

Supplementary Information S7

Strand and sequence lists

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Notes on strand lists

Strands are named as follows:

x: row number: y: column number

R_x.y - component strand for rectangle R6.

R#_x.y - component strand exclusively for rectangle R#, where # = 0-5.

[Note: R0-R5 share some component strands with R6, as indicated in notes column]

RT3_x.y - component strand for tube T3.

RT4_x.y - component strand for tube T4.

[Note: T3/T4 and R6 share most of the component strands, as indicated in notes column; T1 is the left 1/3 of T3 and T2 is the right 2/3 of T3]

T_x.y - component strand for tube T5.

TR_x.y - component strand for rectangle R7.

[Note: T5 and R7 share most of the component strands, as indicated in notes column]

RR_x.y - component strand for rectangle R6R.

P#_x.y - edge protector from set #*, where # = 1-4.

[Note: For each strand in set 1*, there is a single-nucleotide difference between the correct sequence and the ordered sequence. The sequences ordered and used in synthesis are provided in notes column (in red).]

D_x.y – domain substitution design, for the shape SB (triangle shape) only (Fig. S42a).

Seq_ID	Domains	Sequence	Used in
R_1.1	a1.1-b1.1	CAGGGTGGTACTATTATCGT	R6
R_1.2	a1.2-b1.2	CCTCCGGGCACTCAGCTTACT	R6
R_1.3	a1.3-b1.3	CAACCGATCTCTGGATAATAT	R6
R_1.4	a1.4-b1.4	CCCGTCAAAGCTTATATTTCT	R6
R_1.5	a1.5-b1.5	CTATTTAGAACTCCAGGAAGT	R6
R_1.6	a1.6-b1.6	CCAGGCCACCTATATGGATT	R6
R_1.7	a1.7-b1.7	CTTAAAGGCTCTGGTTGAAGT	R6
R_1.8	a1.8-b1.8	CAGATCACGACTAACACACCT	R6
R_1.9	a1.9-b1.9	CGCCTCATCCTGTGAACACT	R6
R_1.10	a1.10-b1.10	CGGCTGAGAACTTAAGTTTCT	R6
R_1.11	a1.11-b1.11	CGGTCTCGCCCTTAGAATGAT	R6
R_1.12	a1.12-b1.12	CGGGCGCCAACCTGAAGCCCTT	R6
R_1.13	a1.13-b1.13	CGGGACATCCCTTTAGTCGAT	R6
R_1.14	a1.14-b1.14	CGGAGATGCGCTCAGATGTAT	R6
R_2.1	T10-b2.1-a1.1*-T10	TTTTTTTTTTTTGGGTGCCATGTACCACCCCTGTTTTTTTTTTT	R6;T1;T3;T4
R_2.2	a2.2-b2.2-a1.2*-b1.1*	CGGGCTGGTCTCCGAAGGACTGTGCCCGGAGGACGATAAAATA	R6;T1;T3;T4
R_2.3	a2.3-b2.3-a1.3*-b1.2*	CGAAGTTTCCCTGCATTTATGATGAGATCGGTTGAGTAAGCTGA	R6;T1;T3;T4
R_2.4	a2.4-b2.4-a1.4*-b1.3*	CTTCAAGTGCTCCCTGCAGCTGCTTTGACGGGATATATCCA	R6;T1;T3;T4
R_2.5	a2.5-b2.5-a1.5*-b1.4*	CGATTTACAGCTAAAGTTGTGTGTTCTAAATAGAGAAATATAA	R6;T1;T3;T4
R_2.6	a2.6-b2.6-a1.6*-b1.5*	CCAATCGCCCTGCACCTGTATGGTGGCCCTGGACTTCCTGGA	R6;T1;T3;T4
R_2.7	a2.7-b2.7-a1.7*-b1.6*	CATCACATCCTCGTTTCGTACTGAGCCTTTAAGAATCCATATA	R6;T1;T3;T4
R_2.8	a2.8-b2.8-a1.8*-b1.7*	CACAGTCTGCTACTGCAGATTGTCGTGATCTGACTTCAACCA	R6;T1;T3;T4
R_2.9	a2.9-b2.9-a1.9*-b1.8*	CTTGGATACCTCAGTCTGACTGGATAGAGGCGAGGTGTGTTA	R6;T1;T3;T4
R_2.10	a2.10-b2.10-a1.10*-b1.9*	CAACTCTAGCTCCTCCGCACTGTTCTCAGCCGAGTGTTCACA	R6;T1;T3;T4
R_2.11	a2.11-b2.11-a1.11*-b1.10*	CTCACATAACTTCCCTCTTCTGGGCGAGACCAGAACTTAA	R6;T1;T3;T4
R_2.12	a2.12-b2.12-a1.12*-b1.11*	CTTGCGAGGCTAAAGAAATGCTGTTGGCGCCCGATCATTCATA	R6;T1;T3;T4
R_2.13	a2.13-b2.13-a1.13*-b1.12*	CAGCGGACTCTAGTGGGCTATGGGATGTCCCGAAGGGCTTCA	R6;T1;T3;T4
R_2.14	a2.14-b2.14-a1.14*-b1.13*	CATCGTGTGCTTATTCCTCTTGGCCTATCCGATCGACTAAA	R6;T1;T3;T4
R_2.15	a2.15-T11-T11-b1.14*	CCTATTTGTCTTTTTTTTTTTTTTTTTTTTTTTTATACATCTGA	R6;T4
R_3.1	a3.1-b3.1-a2.2*-b2.1*	CGCCGCGTGTCTATCGTGGTTGACCAGCCCGATGGGCACCCA	R6;T1;T3;T4
R_3.2	a3.2-b3.2-a2.3*-b2.2*	CCATTAGGGCCTAAGCAGCCTGGAAACTTCGAGTCTTCGGA	R6;T1;T3;T4
R_3.3	a3.3-b3.3-a2.4*-b2.3*	CATATATCGACTCGTCAAGTGCACCTGAAGATCATAATGCA	R6;T1;T3;T4
R_3.4	a3.4-b3.4-a2.5*-b2.4*	CGAAAGTTGGCTAAACGACATGCTGAAATCGAGCTGCAGGGA	R6;T1;T3;T4
R_3.5	a3.5-b3.5-a2.6*-b2.5*	CATACGGTTCTAGAAAGATTGGCGCATTTGGACACAACCTTA	R6;T1;T3;T4
R_3.6	a3.6-b3.6-a2.7*-b2.6*	CAAGGCTCGGCTTATGCAATTTGGATGTGATGATACAGGTGCA	R6;T1;T3;T4
R_3.7	a3.7-b3.7-a2.8*-b2.7*	CAACTTAGCTCTGAAAGTCTGTCAGACTGTGAGTACGAACGA	R6;T1;T3;T4
R_3.8	a3.8-b3.8-a2.9*-b2.8*	CACTTCCCATCTAAACCAGGTGGTATCCAAGAATCTGCAGTA	R6;T1;T3;T4
R_3.9	a3.9-b3.9-a2.10*-b2.9*	CAAGTCCGCGCTCGTCAGATTGCTAGAGTTGAGTACAGACTGA	R6;T1;T3;T4
R_3.10	a3.10-b3.10-a2.11*-b2.10*	CGTGTAGAATCTAGAGCTGATGTTATGTGAGAGTCCGGAGGA	R6;T1;T3;T4
R_3.11	a3.11-b3.11-a2.12*-b2.11*	CAGTCTGAGAGCTTTGGTCCGTCGCCAAGAGAAGAGGGAA	R6;T1;T3;T4
R_3.12	a3.12-b3.12-a2.13*-b2.12*	CATCTTAGGCTGCTGTGTATGAGTCCGCTGAGCATTCTTTA	R6;T1;T3;T4
R_3.13	a3.13-b3.13-a2.14*-b2.13*	CCTTTCTCGACTGAAAGTGTGCACACAGATGATAGCCCACTA	R6;T1;T3;T4
R_3.14	a3.14-b3.14-a2.15*-b2.14*	CGCCCTGTTTCTGAGTCCCTTGACAAATAGGAAGAGGAATAA	R6;T1;T3;T4
R_4.1	T10-b4.1-a3.1*-T10	TTTTTTTTTTTTGGGAGTGGATGACACGCGCGCTTTTTTTTTTT	R6;T1;T3;T4
R_4.2	a4.2-b4.2-a3.2*-b3.1*	CAGGCTCTACTGGGAGGATATGGCCCTAATGGAACCACGATA	R6;T1;T3;T4
R_4.3	a4.3-b4.3-a3.3*-b3.2*	CGCGCTAGACTACATTTATATGTCGATATATGAGGCTGCTTA	R6;T1;T3;T4
R_4.4	a4.4-b4.4-a3.4*-b3.3*	CTACGCTATCTTTACCATTATGCCAACTTTCGACCTTGACGA	R6;T1;T3;T4
R_4.5	a4.5-b4.5-a3.5*-b3.4*	CGGAGTAAACTTGTGCCTTGTGAAACCGTATGATGTCGTTTA	R6;T1;T3;T4
R_4.6	a4.6-b4.6-a3.6*-b3.5*	CAGATAAAGCTACTAGCATTTGCCGAGCCTTGAATCTTTCTA	R6;T1;T3;T4
R_4.7	a4.7-b4.7-a3.7*-b3.6*	CGCCTCCTTCTCAATAAATGAGCTAAGTTGAATGCATAA	R6;T1;T3;T4
R_4.8	a4.8-b4.8-a3.8*-b3.7*	CCAACTAGGCTGGACCATCGTATGGGAAGTGACGACTTTCA	R6;T1;T3;T4
R_4.9	a4.9-b4.9-a3.9*-b3.8*	CTAATGATGCTAATGAACTATGCGCGGACTTGACCTGGTTTA	R6;T1;T3;T4
R_4.10	a4.10-b4.10-a3.10*-b3.9*	CCGCCAGTACTAAATACCTGTGATTTACACGAATCTGACGA	R6;T1;T3;T4
R_4.11	a4.11-b4.11-a3.11*-b3.10*	CGTGGCGTTCTACCATTGTTTGTCTCAGCTGATCAGCTCTA	R6;T1;T3;T4
R_4.12	a4.12-b4.12-a3.12*-b3.11*	CACTTTATTCTATGAGTTAATGCCCTAAGATGACCGACCAAA	R6;T1;T3;T4
R_4.13	a4.13-b4.13-a3.13*-b3.12*	CCCAGCCGCTGCCCTCGCTGTGCGAGAAAGGATACACAGCA	R6;T1;T3;T4
R_4.14	a4.14-b4.14-a3.14*-b3.13*	CGGATTTGACTCACAGAGACTGAAACAGGGCGACACTTCAGA	R6;T1;T3;T4
R_4.15	a4.15-T11-T11-b3.14*	CATGCTCGCCCTTTTTTTTTTTTTTTTTTTTTTTTAAAGGACTCA	R6;T4
R_5.1	a5.1-b5.1-a4.2*-b4.1*	CGGACTTCATCTATGGTTTATGTAGAGCCTGATCCACTCCCA	R6;T1;T3;T4
R_5.2	a5.2-b5.2-a4.3*-b4.2*	CCGTTGATGACTGGGCGGATTTGCTAGCCGGATATCCTCCCA	R6;T1;T3;T4
R_5.3	a5.3-b5.3-a4.4*-b4.3*	CTAATGGGACTCTGGTCCCTGATAGCGTATAGATATAAATGTA	R6;T1;T3;T4
R_5.4	a5.4-b5.4-a4.5*-b4.4*	CCACTTCTTCTTGGTTGCGTGTACTCCGATAATGGTAAA	R6;T1;T3;T4
R_5.5	a5.5-b5.5-a4.6*-b4.5*	CAGTACATAGCTAGGATGCATGCTTTATCTGACAAGGCACAA	R6;T1;T3;T4

Seq_ID	Domains	Sequence	Used in
R_5.6	a5.6-b5.6-a4.7*-b4.6*	CGAAGGGAGCCTGGCATTGTTGAAGGAGCGAAATGCTAGTA	R6;T1;T3;T4
R_5.7	a5.7-b5.7-a4.8*-b4.7*	CGCCAAGTAGCTAGTCCGCATGCCTAGTTGGATTATTATTTGA	R6;T1;T3;T4
R_5.8	a5.8-b5.8-a4.9*-b4.8*	CTAGCAGCATCTAATCCATTTGCATCATTAGACGATGGTCCA	R6;T1;T3;T4
R_5.9	a5.9-b5.9-a4.10*-b4.9*	CAAGCGGTACTTACCTGACTGTACTGGCGGATAGTTCATTA	R6;T1;T3;T4
R_5.10	a5.10-b5.10-a4.11*-b4.10*	CCCTGCGCACCTTCGCCACGTGAACGCCACGACAGGTATTTA	R6;T1;T3;T4
R_5.11	a5.11-b5.11-a4.12*-b4.11*	CCCTAACCCCTCTTTAGGTACTGAATAAAGTGAAACAATGGTA	R6;T1;T3;T4
R_5.12	a5.12-b5.12-a4.13*-b4.12*	CTGCAAACATCTTACTGACCTGACGGTCGGGATTAACCTATA	R6;T1;T3;T4
R_5.13	a5.13-b5.13-a4.14*-b4.13*	CATGGTACGGCTAACATATCTGTCAAATCCGAAGCGAGGGCA	R6;T1;T3;T4
R_5.14	a5.14-b5.14-a4.15*-b4.14*	CATGCGGGTCTTACCAGGGCATGGCGAGCATGAGTCTCTGTGA	R6;T1;T3;T4
R_6.1	T10-b6.1-a5.1*-T10	TTTTTTTGGTGGAGTTCTGTAGTGAAGTCCGTTTTTTTTTTT	R6;T1;T3;T4
R_6.2	a6.2-b6.2-a5.2*-b5.1*	CCCGTGGTCCCTCGCCGAAATGTCTCAACGGATAAACCCATA	R6;T1;T3;T4
R_6.3	a6.3-b6.3-a5.3*-b5.2*	CTTTATTGGCTTCTCAGTTATGGTCCCATTAGAATCCGCCCA	R6;T1;T3;T4
R_6.4	a6.4-b6.4-a5.4*-b5.3*	CACTAGAAGCTTAAGGGTAATGAAGGAAGTGAGGGGACCAGA	R6;T1;T3;T4
R_6.5	a6.5-b6.5-a5.5*-b5.4*	CGCGAGAGCCCTCCTGTTATGTCTATGTACTGACGCAACCAA	R6;T1;T3;T4
R_6.6	a6.6-b6.6-a5.6*-b5.5*	CGCGTCCCTTACGGCGAGATGGCTCCCTTCGATGCATCCCTA	R6;T1;T3;T4
R_6.7	a6.7-b6.7-a5.7*-b5.6*	CCAGTTAGTCTCAATGCAGTTGCTACTTGGCGACAAATGCCA	R6;T1;T3;T4
R_6.8	a6.8-b6.8-a5.8*-b5.7*	CCAATACTCCTCGGAGCGAGTGTACTGCTAGATGCGGACTA	R6;T1;T3;T4
R_6.9	a6.9-b6.9-a5.9*-b5.8*	CCAATCGGCCGTCAGGCTGTTGTACGCGCTTGAATGGATTA	R6;T1;T3;T4
R_6.10	a6.10-b6.10-a5.10*-b5.9*	CCCTATATTCTCTTGGGCAATGGTGGCGAGGAGTCAGGTAA	R6;T1;T3;T4
R_6.11	a6.11-b6.11-a5.11*-b5.10*	CGGTGGCCCGCTACAACCAATFGAGGGTTAGGGACGTTGGCGAA	R6;T1;T3;T4
R_6.12	a6.12-b6.12-a5.12*-b5.11*	CTGTTGCTTCTTTAGTCTTTTGTATGTTTGCAGAGTACCTAAA	R6;T1;T3;T4
R_6.13	a6.13-b6.13-a5.13*-b5.12*	CAGCGTTGGCTGAAACTCGCTGCCGTACCATGAGGTCAGTAA	R6;T1;T3;T4
R_6.14	a6.14-b6.14-a5.14*-b5.13*	CGTGGTTCAGCTTGTCTGACTGACGCGCATGAGATATGTTA	R6;T1;T3;T4
R_6.15	a6.15-T11-T11-b5.14*	CCCTGACGCCCTTTTTTTTTTTTTTTTTTTTTTTTATGCCCCGTA	R6;T4
R_7.1	a7.1-b7.1-a6.2*-b6.1*	CGATTGGTCTCTGAGACTTATGGACCACGGGAGAATCCTCCA	R6;T1;T3;T4
R_7.2	a7.2-b7.2-a6.3*-b6.2*	CGGGCCGGCTCTATTGACAATGCCAATAAAGATTTCGGGCGA	R6;T1;T3;T4
R_7.3	a7.3-b7.3-a6.4*-b6.3*	CAGAGGATGGCTTCCGATGTGCTTCTAGTGATAACTGAGAA	R6;T1;T3;T4
R_7.4	a7.4-b7.4-a6.5*-b6.4*	CACCAAAGGGCTCAACAACCTGGCTCTCGCGATTACCCTTAA	R6;T1;T3;T4
R_7.5	a7.5-b7.5-a6.6*-b6.5*	CTTGTTTCAGACTCGAATTTCTGAAAGCAGCGAATAACAGGAA	R6;T1;T3;T4
R_7.6	a7.6-b7.6-a6.7*-b6.6*	CAGAGCATCCCTACAGATGCTGACTAACTGGATCTCGCCGTA	R6;T1;T3;T4
R_7.7	a7.7-b7.7-a6.8*-b6.7*	CGTACTGGTCTGACAGGCTCGGAGTATTTGGAATGCATTGA	R6;T1;T3;T4
R_7.8	a7.8-b7.8-a6.9*-b6.8*	CCTCGGACGCCCTAACCTTCTGTGGCCGATTGGACTGCCTCCGA	R6;T1;T3;T4
R_7.9	a7.9-b7.9-a6.10*-b6.9*	CCACCAAACTCTATAGCCCGTGAATATAGGGAACAGCCTGCA	R6;T1;T3;T4
R_7.10	a7.10-b7.10-a6.11*-b6.10*	CATGAGTGAACCTGTTAGGCTGCGGCCACCAGATTGCCCAAGA	R6;T1;T3;T4
R_7.11	a7.11-b7.11-a6.12*-b6.11*	CTAGGATCACTTCCGATTCGCAATGCAACAGAAATGGTTGTA	R6;T1;T3;T4
R_7.12	a7.12-b7.12-a6.13*-b6.12*	CGAGAAGTATCTATGCACCCTGCCAACGCTGAAAGAACTAAA	R6;T1;T3;T4
R_7.13	a7.13-b7.13-a6.14*-b6.13*	CTATTGAGGACTATCCAATCTGCTGACCACGAGCGAGTTTCA	R6;T1;T3;T4
R_7.14	a7.14-b7.14-a6.15*-b6.14*	CCGACTGCTGCTGCGAATAGTGGCGTCAGGGAAC TAGAGCAA	R6;T1;T3;T4
R_8.1	T10-b8.1-a7.1*-T10	TTTTTTTTTTTTTGGCTTGGGTTGAGACCAATCGTTTTTTTTTT	R5;R6;T1;T3;T4
R_8.2	a8.2-b8.2-a7.2*-b7.1*	CCGCACAGCCCTCATACCCCTCTGAGCCGGCCCGATAAGTCTCA	R5;R6;T1;T3;T4
R_8.3	a8.3-b8.3-a7.3*-b7.2*	CTAGGTTCCCTTCCATAAATGCCATCCTCTGATGTGCAATA	R5;R6;T1;T3;T4
R_8.4	a8.4-b8.4-a7.4*-b7.3*	CTATGGCTACTTCCACACCGTTCGCCCTTTGGTGACATCGGAAA	R5;R6;T1;T3;T4
R_8.5	a8.5-b8.5-a7.5*-b7.4*	CGTGTGTCTCTATATCACGCTGCTGAACAAGAAGTTGTTGA	R5;R6;T1;T3;T4
R_8.6	a8.6-b8.6-a7.6*-b7.5*	CGAGCGTCTCTGTGTCTTTGGGATGCTCTGAGGAATTCGA	R5;R6;T1;T3;T4
R_8.7	a8.7-b8.7-a7.7*-b7.6*	CTGACGCTCCTCTGGACCTATGAACCAGTACGAGCATCTGTA	R5;R6;T1;T3;T4
R_8.8	a8.8-b8.8-a7.8*-b7.7*	CACATTTAACTAACTTATCCTGGCGTCCGAGGAGACCTGTCA	R5;R6;T1;T3;T4
R_8.9	a8.9-b8.9-a7.9*-b7.8*	CAACATACGCTTCGAGCCAGTGGATTGGTGGACAGAAGTTA	R5;R6;T1;T3;T4
R_8.10	a8.10-b8.10-a7.10*-b7.9*	CAATACTTCCCTACACCTATCTGTTCACTCATGACGGGCTATA	R5;R6;T1;T3;T4
R_8.11	a8.11-b8.11-a7.11*-b7.10*	CTTCCAGCCCTTAAAGCGGATGTGTACTCTAGAGACCTAACA	R6;T1;T3;T4
R_8.12	a8.12-b8.12-a7.12*-b7.11*	CCCTATCCACTTAGTTCGACTGATACTTCTCGAATGCGGGTA	R6;T1;T3;T4
R_8.13	a8.13-b8.13-a7.13*-b7.12*	CTCCAAGCCCTCACGAAACATGTCTCTCAATAGAGGGTGCATA	R6;T1;T3;T4
R_8.14	a8.14-b8.14-a7.14*-b7.13*	CCTACGGATCTGATGCACATTCGACGAGTCCGAGATTGGATA	R6;T1;T3;T4
R_8.15	a8.15-T11-T11-b7.14*	CCAGCAACGCTTTTTTTTTTTTTTTTTTTTTTTTACTATTTCGCA	R6;T4
R_9.1	a9.1-b9.1-a8.2*-b8.1*	CCTTACCAGGACTTCCGTAATGGCTGTGGCGGAACCCAAGCAA	R5;R6;T4
R_9.2	a9.2-b9.2-a8.3*-b8.2*	CTTACCAGCGGCTAGTGTCTATGGGAACCTAGAGAGGGTATGA	R5;R6;T4
R_9.3	a9.3-b9.3-a8.4*-b8.3*	CTTGATCGAACTTGTCTATTTGTAGCCATAGATTATAAGGAA	R5;R6;T4
R_9.4	a9.4-b9.4-a8.5*-b8.4*	CTGGTTTGTATCTCGTACCAATGGACAACACGACCGTTGTGA	R5;R6;T4
R_9.5	a9.5-b9.5-a8.6*-b8.5*	CCCGTGTGTACTGCATAGTATGAGACGCTCGAGCGTGATATA	R5;R6;T4
R_9.6	a9.6-b9.6-a8.7*-b8.6*	CCGCTAGATCTCCTTGTGTCTGGAGCGCTGAAAAGACAACAA	R5;R6;T4
R_9.7	a9.7-b9.7-a8.8*-b8.7*	CGCAGGCTAGCTTACGTTAGTGTAAATGTGATAGGTCCAGA	R5;R6;T4
R_9.8	a9.8-b9.8-a8.9*-b8.8*	CTCCGCTCAACTAGTTAGTATGCGTATGTTGAGGATAAGTTA	R5;R6;T4
R_9.9	a9.9-b9.9-a8.10*-b8.9*	CGGTCTTTAACTGGGATTACTGGAAGTATTGACTGGCTCGAA	R5;R6;T4
R_9.10	a9.10-b9.10-a8.11*-b8.10*	CAGTTCGTCACTGGCTACCTTGGGCTGGAAGAGATAGGTGTA	R5;R6;T4

Seq_ID	Domains	Sequence	Used in
R_9.11	a9.11-b9.11-a8.12*-b8.11*	CATAC TGTCTCTA AACTGCAATGTGGATAGGGATCCGCTTTAA	R6;T4
R_9.12	a9.12-b9.12-a8.13*-b8.12*	CTTGGCTTTACTTATCGGCGTGGGCTTGGAGAGTCCGAAC TAA	R6;T4
R_9.13	a9.13-b9.13-a8.14*-b8.13*	CGTAAGGGCACTATCGTTTTATGATCCGTAGGATGTTTCGTGA	R6;T4
R_9.14	a9.14-b9.14-a8.15*-b8.14*	CTCGCTTTAGCTGGAGACCGTGGCTTGCTGGAATGTGCATCA	R6;T4
R_10.1	T10-b10.1-a9.1*-T10	TTTTTTTTTTTTTAGTGCAGAATGTCCGGTAAGGTTTTTTTTTTT	R5;R6;T4
R_10.2	a10.2-b10.2-a9.2*-b9.1*	CATACCTCTCTTAGGTC AATTGCCCGGTAAGATTACGGAAA	R5;R6;T2;T3;T4
R_10.3	a10.3-b10.3-a9.3*-b9.2*	CACACCACACTCAGTAGGTTTGGTTCGATCAAGATGAGCACTA	R5;R6;T2;T3;T4
R_10.4	a10.4-b10.4-a9.4*-b9.3*	CCACGCAGTCTGGTCATCACTGATCAAACCAGAATATGACAA	R5;R6;T2;T3;T4
R_10.5	a10.5-b10.5-a9.5*-b9.4*	CAACGCAAGCTTTCTGATTATGTCAACACGGGATTTGGTACGA	R5;R6;T2;T3;T4
R_10.6	a10.6-b10.6-a9.6*-b9.5*	CGTAAAGGCTTACAGGTTGGATCTAGCCGATACTATGCA	R5;R6;T2;T3;T4
R_10.7	a10.7-b10.7-a9.7*-b9.6*	CTCGTGAACCTCAGGCTCGTGTGCTAGCCTGCGAGCACAAGGA	R5;R6;T2;T3;T4
R_10.8	a10.8-b10.8-a9.8*-b9.7*	CACCGCCCTCTTACGCCACTGTTGACCCGGAGACTAACGTAA	R5;R6;T2;T3;T4
R_10.9	a10.9-b10.9-a9.9*-b9.8*	CGAATTA AACTAGACGAGTATGTTAAAGACC GATACTAACTA	R5;R6;T2;T3;T4
R_10.10	a10.10-b10.10-a9.10*-b9.9*	CATAACCGACTTTGATCGGCTGTGACGA AACTGAGTAATCCCA	R5;R6;T2;T3;T4
R_10.11	a10.11-b10.11-a9.11*-b9.10*	CATGCAACCCGTGAAGCAAATGAGACAGTATGAAGGTAGCCA	R6;T2;T3;T4
R_10.12	a10.12-b10.12-a9.12*-b9.11*	CACTACTGGCTTGTAAAGCGCTGTAAAGCCAAAGATTGCAGTTA	R6;T2;T3;T4
R_10.13	a10.13-b10.13-a9.13*-b9.12*	CTGTAAGGCTCTCGAGATGTGTGTC CTTACGACCCGATAA	R6;T2;T3;T4
R_10.14	a10.14-b10.14-a9.14*-b9.13*	CCGTCTAACCTATAATATTGTGCTAAAGCGAGATAAACGATA	R6;T2;T3;T4
R_10.15	a10.15-T11-T11-b9.14*	CGGCAACGCTTTTTTTTTTTTTTTTTTTTTTTTACGGTCTCCA	R6;T4
R_11.1	a11.1-b11.1-a10.2*-b10.1*	CCTTTTCTTCCTTGACCAAGTGAGAGGATGATTCTGCACTA	R5;R6;T2;T3;T4
R_11.2	a11.2-b11.2-a10.3*-b10.2*	CGTGGAGGCGCTCACCTCCTGTGTGGTGTGAATTGACCTAA	R5;R6;T2;T3;T4
R_11.3	a11.3-b11.3-a10.4*-b10.3*	CTCGCAACCCCTTGCCAGGTGACTGCGTGGAACCTACTGA	R5;R6;T2;T3;T4
R_11.4	a11.4-b11.4-a10.5*-b10.4*	CGTTTCTTCACTGATGCGATGCTTGGCTTGGATGATGACCA	R5;R6;T2;T3;T4
R_11.5	a11.5-b11.5-a10.6*-b10.5*	CAGATATAGCCTAGCCCTCGTGGCCACTACGATAATCAGAAA	R5;R6;T2;T3;T4
R_11.6	a11.6-b11.6-a10.7*-b10.6*	CATCCGACGCTTACACTAATGTTCCACGAGAACCCTAGTAA	R5;R6;T2;T3;T4
R_11.7	a11.7-b11.7-a10.8*-b10.7*	CGATGCAGATCTTCTGCCTTTGAGGGCGGTGACGAGCCCTGA	R5;R6;T2;T3;T4
R_11.8	a11.8-b11.8-a10.9*-b10.8*	CAATAGCCATCTCACTTGATTGTTTAATTCGAGTGGGCGTAA	R5;R6;T2;T3;T4
R_11.9	a11.9-b11.9-a10.10*-b10.9*	CGTCC TTGGACTCAACGCTCTGTGCTTATGATACTCGTCTA	R5;R6;T2;T3;T4
R_11.10	a11.10-b11.10-a10.11*-b10.10*	CTGCGAAGCCTACAGGCACTGGCTTGCATGAGCCGATCAAAA	R5;R6;T2;T3;T4
R_11.11	a11.11-b11.11-a10.12*-b10.11*	CTTCTTCGAACTGGACATCTTGCCAGTAGTGATTGCTTACA	R6;T2;T3;T4
R_11.12	a11.12-b11.12-a10.13*-b10.12*	CAGTCGTGCTTATGACTATGACCTTACAGAGCGCTTACAA	R6;T2;T3;T4
R_11.13	a11.13-b11.13-a10.14*-b10.13*	CATTACATGGCTAATGCTGATGGTTAGACGGACACATCTCGA	R6;T2;T3;T4
R_11.14	a11.14-b11.14-a10.15*-b10.14*	CCAGCATCCACTGCGGTA AACTGACGTTGCCGACAATATTATA	R6;T2;T3;T4
R_12.1	T10-b12.1-a11.1*-T10	TTTTTTTTTTCTGTGCATATGGAAGCAAAGGTTTTTTTTTTT	R5;R6;T4
R_12.2	a12.2-b12.2-a11.2*-b11.1*	CTGGCGACGCTTACAGCCTGTGTCGCTCCACGACTGGTCAA	R5;R6;T2;T3;T4
R_12.3	a12.3-b12.3-a11.3*-b11.2*	CTTGGTCTACTGTTTTATAGATGGGTTGGCGAGAGGAGGTTGA	R5;R6;T2;T3;T4
R_12.4	a12.4-b12.4-a11.4*-b11.3*	CGCGCGCCACTCATTAGGAGTGTGAAGAAGCGACCTGGACAA	R5;R6;T2;T3;T4
R_12.5	a12.5-b12.5-a11.5*-b11.4*	CCAGATTTACTTGTACCCAGTGGCTATATCTGATCGCATGCA	R5;R6;T2;T3;T4
R_12.6	a12.6-b12.6-a11.6*-b11.5*	CGGCGCGCTCTGCTAGCTGGTGGCTGCGGATGACGAGGGCTA	R5;R6;T2;T3;T4
R_12.7	a12.7-b12.7-a11.7*-b11.6*	CGCGCTCCGCTCACCGGAATGATCTGCATCGATTAGTG TAA	R5;R6;T2;T3;T4
R_12.8	a12.8-b12.8-a11.8*-b11.7*	CATCGGTACCTTTGGCGGGTGTGGCTATTGAAAGGCAGAAA	R5;R6;T2;T3;T4
R_12.9	a12.9-b12.9-a11.9*-b11.8*	CAAAATGATCTATAACTACTGCTCCAAGGACGAATCAAGTGA	R5;R6;T2;T3;T4
R_12.10	a12.10-b12.10-a11.10*-b11.9*	CTTACCGACTCCGGATTCATGGCCTTCGCAGAGGACGTTGA	R5;R6;T2;T3;T4
R_12.11	a12.11-b12.11-a11.11*-b11.10*	CGCGCTGACTCTGGCTGTATGTTCCGAAGAAGAGTGCCTGTA	R6;T2;T3;T4
R_12.12	a12.12-b12.12-a11.12*-b11.11*	CTCAAACCTCTCGCTGAGTGTGGACACGACTGAAGATGTCCA	R6;T2;T3;T4
R_12.13	a12.13-b12.13-a11.13*-b11.12*	CATACATCACTCGAGAATCGTGCCATGTAATGATAGTCATAA	R6;T2;T3;T4
R_12.14	a12.14-b12.14-a11.14*-b11.13*	CCACGGGTGCTGATCGTCCGTTGGATGCTGGATCAGCATTA	R6;T2;T3;T4
R_12.15	a12.15-T11-T11-b11.14*	CCACCTCTCTTTTTTTTTTTTTTTTTTTTTTTTAGTTACCGCA	R6;T4
R_13.1	a13.1-b13.1-a12.2*-b12.1*	CCCGAAGTACCTCTGCAGGATGCGTCGCCAGATATGCACAGA	R5;R6;T2;T3;T4
R_13.2	a13.2-b13.2-a12.3*-b12.2*	CGTTACCAGGCTACGATGAGTGTAGACCAAGACACGGTCA GA	R5;R6;T2;T3;T4
R_13.3	a13.3-b13.3-a12.4*-b12.3*	CTGTCCCACTCTCCTTCAAATGTGGCGCGGATCTATAAACA	R5;R6;T2;T3;T4
R_13.4	a13.4-b13.4-a12.5*-b12.4*	CATTATATTGCTCCTGAGGGTGTAAATCTGGACTCCTAATGA	R5;R6;T2;T3;T4
R_13.5	a13.5-b13.5-a12.6*-b12.5*	CGTGCATGCCCTCCCAA AACTTGAGCGCGCCGACTGGGTACAA	R5;R6;T2;T3;T4
R_13.6	a13.6-b13.6-a12.7*-b12.6*	CATTGCACTGCTTACCTTTGCGGAGCGGACGACCTAGCA	R5;R6;T2;T3;T4
R_13.7	a13.7-b13.7-a12.8*-b12.7*	CTTCACTCGACCTGTTTAGGTTGGTACCGATGATTCCGAGTGA	R5;R6;T2;T3;T4
R_13.8	a13.8-b13.8-a12.9*-b12.8*	CTACCGGCGCTGAGACACCATGATCAATTTGACCCGCCAAA	R5;R6;T2;T3;T4
R_13.9	a13.9-b13.9-a12.10*-b12.9*	CCGCGGTGTGCTGCATTCGCTGTCCGTGAAGAGTAGTTATAA	R5;R6;T2;T3;T4
R_13.10	a13.10-b13.10-a12.11*-b12.10*	CCCGAGGTTCTCTGATCTCCATGTCAGGCGCGATGAATCCGGA	R5;R6;T2;T3;T4
R_13.11	a13.11-b13.11-a12.12*-b12.11*	CATGAGCGTACTACCCGTTATGAGGTTTGAGATACAGCCAGA	R6;T2;T3;T4
R_13.12	a13.12-b13.12-a12.13*-b12.12*	CTCTGGAACTATAAGAAATGTTGTGATGATGACACTCGACGA	R6;T2;T3;T4
R_13.13	a13.13-b13.13-a12.14*-b12.13*	CTATTTCGTTGCTCTGCTCTGACCCGTTGGACGATTTCTCGA	R6;T2;T3;T4
R_13.14	a13.14-b13.14-a12.15*-b12.14*	CCCTCGCAGACTCCCGACAGTGAGGAGGTGGACGGACGATCA	R6;T2;T3;T4
R_14.1	T10-b14.1-a13.1*-T10	TTTTTTTTTTTTTGTACTTGTAGGTTACTTCGGGTTTTTTTTTTT	R4;R5;R6;T4

Seq_ID	Domains	Sequence	Used in
R_14.2	a14.2-b14.2-a13.2*-b13.1*	CCGATGCGACTTGATATGTCTGCCGTTGGTAACGATCCTGCAGA	R4;R5;R6;T2;T3;T4
R_14.3	a14.3-b14.3-a13.3*-b13.2*	CGCTGCCAGCTTCAGGGCCCTTGAGTGGGACAGACTCATCGTA	R4;R5;R6;T2;T3;T4
R_14.4	a14.4-b14.4-a13.4*-b13.3*	CAGAAGGGTCTGTGTAACGTGCAATATAATGATTTGAAGGA	R4;R5;R6;T2;T3;T4
R_14.5	a14.5-b14.5-a13.5*-b13.4*	CGAGCGCCGCTGCGGCTATTTGGGCATGCACGACCCCTCAGGA	R4;R5;R6;T2;T3;T4
R_14.6	a14.6-b14.6-a13.6*-b13.5*	CAGGAGGCTCTCCAACCGCTTGCAGTGCAATGAAGTTTGGGA	R4;R5;R6;T2;T3;T4
R_14.7	a14.7-b14.7-a13.7*-b13.6*	CTGGGACGACTGGCACGTCATGGTCGATGAAGAAAGGGTAGA	R4;R5;R6;T2;T3;T4
R_14.8	a14.8-b14.8-a13.8*-b13.7*	CTGCACCAGCTGCGTCTGTTGACGCGCGGTAGAACCCTAAACA	R5;R6;T2;T3;T4
R_14.9	a14.9-b14.9-a13.9*-b13.8*	CAAAGGAACTAACAGTGTCTGCACACCCGCGGATGGTGTCCA	R5;R6;T2;T3;T4
R_14.10	a14.10-b14.10-a13.10*-b13.9*	CTCTGCTCTTTACTTGGTGGAAACCTCGGGAGCGAATGCA	R5;R6;T2;T3;T4
R_14.11	a14.11-b14.11-a13.11*-b13.10*	CATGTAAGACTACGAATCGCTGCACGTCATGATGGAGATCA	R6;T4
R_14.12	a14.12-b14.12-a13.12*-b13.11*	CTTTAGGAACATAATCTTTGTTGTATTTCCAGAGATAACGGGTA	R6;T4
R_14.13	a14.13-b14.13-a13.13*-b13.12*	CCCAGCGATCTGTTGCATCGTGCAACGAATAGAATCTCTTA	R6;T4
R_14.14	a14.14-b14.14-a13.14*-b13.13*	CACGAACAGCTAACCTTAACGTCTGCGAGGGACAGGACAGA	R6;T4
R_14.15	a14.15-T11-T11-b13.14*	CTATAGTAACTTTTTTTTTTTTTTTTTTTTTTTACTGTCGGGA	R6;T4
R_15.1	a15.1-b15.1-a14.2*-b14.1*	CTGGGCAAGCCTTATTGCGATGTCGCATCGGATCAAGTAACA	R4;R5;R6;T2;T3;T4
R_15.2	a15.2-b15.2-a14.3*-b14.2*	CGTGGCTCCCTACCGCGAGTGTGGCAGCGAGACATATCAA	R4;R5;R6;T2;T3;T4
R_15.3	a15.3-b15.3-a14.4*-b14.3*	CGCGGCGCCCTTTCAATTATGACCCCTTCTGAAGCCCTGAA	R4;R5;R6;T2;T3;T4
R_15.4	a15.4-b15.4-a14.5*-b14.4*	CTATCTGTACTGCACCGGTTGCGGCGCTCGACAGTTACACA	R4;R5;R6;T2;T3;T4
R_15.5	a15.5-b15.5-a14.6*-b14.5*	CCAAACCGTCTCCTACGTTTGTAGCCTCCTGAAATAGCCGCA	R4;R5;R6;T2;T3;T4
R_15.6	a15.6-b15.6-a14.7*-b14.6*	CATGTCCCAACTGGAGTCTTTGTGCTCCAGAAAGCGGTTGGA	R4;R5;R6;T2;T3;T4
R_15.7	a15.7-b15.7-a14.8*-b14.7*	CCAGCGCGTCTGTGCTTATGCTGGTGCAGATGACGTGCCA	R4;R5;R6;T2;T3;T4
R_15.8	a15.8-b15.8-a14.9*-b14.8*	CTTGACCCGCTCGGACTTCTGTTTCTCTTTGACAACGACGCA	R5;R6;T2;T3;T4
R_15.9	a15.9-b15.9-a14.10*-b14.9*	CTGCGGCGCACTGCAGCCATFGAGAGCAGAGACACTGTTA	R5;R6;T2;T3;T4
R_15.10	a15.10-b15.10-a14.11*-b14.10*	CTACCTTAGTCTAAAGTAATTGTCTTACATGACACCAGTAAA	R5;R6;T2;T3;T4
R_15.11	a15.11-b15.11-a14.12*-b14.11*	CTACTTGCTGCTCGTCTCTCTGTTCTTAAAGAGCGATTCGTA	R6;T2;T3;T4
R_15.12	a15.12-b15.12-a14.13*-b14.12*	CAGTATCTGCCTAATTTGCGTGATCGCTGGGAACAAAGATTA	R6;T2;T3;T4
R_15.13	a15.13-b15.13-a14.14*-b14.13*	CGCTTTGGCACTAGTAGCGGTGCTGTTCCGTGACGATGCAACA	R6;T2;T3;T4
R_15.14	a15.14-b15.14-a14.15*-b14.14*	CGGTGTTGCACTTAACAGCTTGGTTACTATAGAGTTAAGGTTA	R6;T2;T3;T4
R_16.1	T10-b16.1-a15.1*-T10	TTTTTTTTTTTTGGCCCATCATGCTTGGCCAGTTTTTTTTTTTT	R3;R4;R5;R6;T2;T3;T4
R_16.2	a16.2-b16.2-a15.2*-b15.1*	CAAGACATACTATTCTGTATTGGGACCGCACGATCGCAATAA	R3;R4;R5;R6;T2;T3;T4
R_16.3	a16.3-b16.3-a15.3*-b15.2*	CTAGACCACCTCTTTCTTTATGGCGGCCCCGCGACTGCGCGTA	R3;R4;R5;R6;T2;T3;T4
R_16.4	a16.4-b16.4-a15.4*-b15.3*	CCCTTGTGGCTAAGGAGGTCTGTACAAAGATAGATAATTGAAA	R3;R4;R5;R6;T2;T3;T4
R_16.5	a16.5-b16.5-a15.5*-b15.4*	CACCGAACCCCTCCGCTCGCTGGACGGTTTGGAAACCGGTGCA	R3;R4;R5;R6;T2;T3;T4
R_16.6	a16.6-b16.6-a15.6*-b15.5*	CCTGAAGTCTTTGATCCCGATGTTGGGCATGAAACGTAGGA	R4;R5;R6;T2;T3;T4
R_16.7	a16.7-b16.7-a15.7*-b15.6*	CTGAGTACCTTCCATCCATGAGCGCTGGAAAGACTCCA	R4;R5;R6;T2;T3;T4
R_16.8	a16.8-b16.8-a15.8*-b15.7*	CCCTCAGCACTCACCTTCTGGTGAGCGGTCAGATAAGACACA	R5;R6;T2;T3;T4
R_16.9	a16.9-b16.9-a15.9*-b15.8*	CTGGTAGGACTCCATCCGATGTTGGCCCGCAGAGAAATCTCCA	R5;R6;T2;T3;T4
R_16.10	a16.10-b16.10-a15.10*-b15.9*	CGTGCCCTGCTAAACCGCGTTGACTAAGGTAGAATGGCGCGA	R5;R6;T2;T3;T4
R_16.11	a16.11-b16.11-a15.11*-b15.10*	CCAACATTACTTCCGCGGGATGCAGCAAGTAGAATTACTTTA	R6;T4
R_16.12	a16.12-b16.12-a15.12*-b15.11*	CGACAAACACTTGCATTACGTGGCAGATACTGAGAGGAACGA	R6;T4
R_16.13	a16.13-b16.13-a15.13*-b15.12*	CGCCCCACCGCTAAGTGCCTGTGTCCAAAGCGACGCAAAATTA	R6;T4
R_16.14	a16.14-b16.14-a15.14*-b15.13*	CGGGACGAGCTCAACCGCTTGTGTGCAACACCGACCCGCTACTA	R6;T4
R_16.15	a16.15-T11-T11-b15.14*	CATTGTACTCTTTTTTTTTTTTTTTTTTTTTTTAAGCTGTTAA	R6;T4
R_17.1	a17.1-b17.1-a16.2*-b16.1*	CTTTGGGTACCTAGACGGTTGTATGTCTTGATGATGGGCCA	R3;R4;R5;R6;T4
R_17.2	a17.2-b17.2-a16.3*-b16.2*	CGCATGTCCGCTCCAGAAAGTGGTGGTCTAGAATACAGAATA	R3;R4;R5;R6;T4
R_17.3	a17.3-b17.3-a16.4*-b16.3*	CTAAGGACGTCTCCAATTCATGCCACAAGGGATAAAGAAAGA	R3;R4;R5;R6;T4
R_17.4	a17.4-b17.4-a16.5*-b16.4*	CAAATGCATACTTTGTTTAGTGGGTTCCGTTGAGACCTCCTTA	R3;R4;R5;R6;T4
R_17.5	a17.5-b17.5-a16.6*-b16.5*	CACCTTAGAGTCTGGGCCCGGTGAACCTCAGGAGCGAGCGGAA	R3;R4;R5;R6;T4
R_17.6	a17.6-b17.6-a16.7*-b16.6*	CTCTCATGTACTATGTTCACTGAGTCACTCAGATCGGGATCAA	R4;R5;R6;T4
R_17.7	a17.7-b17.7-a16.8*-b16.7*	CCAGCTGTCACTGCGCCACCTGTGCTGAGGGAATGGATGGAA	R4;R5;R6;T4
R_17.8	a17.8-b17.8-a16.9*-b16.8*	CATCTGATATCTCGGAACGATGTCTACCAGACCAGAAGTGA	R5;R6;T4
R_17.9	a17.9-b17.9-a16.10*-b16.9*	CTACTATTGCCTGCTCGAGGTGCAGGGCACGATACGGATGGA	R5;R6;T4
R_17.10	a17.10-b17.10-a16.11*-b16.10*	CTGCAGAAACCTGCTCCTCGTGAATGTTGGAACCGGTTTA	R5;R6;T4
R_17.11	a17.11-b17.11-a16.12*-b16.11*	CTTGAGGGATCTGTAAATTAATGTTGTTGTCGATCCCGCGGAA	R6;T4
R_17.12	a17.12-b17.12-a16.13*-b16.12*	CAGGAGTCACTATGCTCATTGCGGTGGGCGACGTAATGCAA	R6;T4
R_17.13	a17.13-b17.13-a16.14*-b16.13*	CAAACCTACTACTCGCGTAAATGCTCGTCCCGAGACGCCTTA	R6;T4
R_17.14	a17.14-b17.14-a16.15*-b16.14*	CGAATGGGCTCTAGATGTCATGAGTACAATGACAAGCGTTGA	R6;T4
R_18.1	T10-b18.1-a17.1*-T10	TTTTTTTTTTTTTCCAGACTATGGTACCCAAAGTTTTTTTTTTT	R3;R4;R5;R6;T4
R_18.2	a18.2-b18.2-a17.2*-b17.1*	CGTTCGCTTCTGTGCGCCGTTGCGGACATGCCAACCCTCTA	R3;R4;R5;R6;T2;T3;T4
R_18.3	a18.3-b18.3-a17.3*-b17.2*	CACCTTACTTCTGTGCGCAATGAGTCCCTTAGACTTCTGGGA	R3;R4;R5;R6;T2;T3;T4
R_18.4	a18.4-b18.4-a17.4*-b17.3*	CGCCTCACACTTCTCAGAGTTTGTATGTCATTGATGAATTGGA	R3;R4;R5;R6;T2;T3;T4
R_18.5	a18.5-b18.5-a17.5*-b17.4*	CTAACCTGCCGTGACCGATCGTGACTCTAAGTGACTAAACAAA	R3;R4;R5;R6;T2;T3;T4
R_18.6	a18.6-b18.6-a17.6*-b17.5*	CGACGATACCTAAGGCGTGGTGTACATGAGAGACCGGGCCCA	R4;R5;R6;T2;T3;T4

Seq_ID	Domains	Sequence	Used in
R_18.7	a18.7-b18.7-a17.7*-b17.6*	CTTCGCCTGCTTACCATGTCTGTGACAGCTGGACTGAACATA	R4;R5;R6;T2;T3;T4
R_18.8	a18.8-b18.8-a17.8*-b17.7*	CTATACGGCCCTGGTGGTAATTGATATCAGATGAGGTGGCGCA	R5;R6;T2;T3;T4
R_18.9	a18.9-b18.9-a17.9*-b17.8*	CACGCACGCCATGCTTGGTGGCAATAGTAGATCGTTCCGA	R5;R6;T2;T3;T4
R_18.10	a18.10-b18.10-a17.10*-b17.9*	CGACATGTGCTAGTGTTCGCTGGTTCGACAGACCTCGAGCA	R5;R6;T2;T3;T4
R_18.11	a18.11-b18.11-a17.11*-b17.10*	CACTACGTTCTCGCACAAAGTGATCCCTCAAGACGAGGAGCA	R6;T2;T3;T4
R_18.12	a18.12-b18.12-a17.12*-b17.11*	CCACAGCAACTAAGTCCATATGGTACTCCTGATAATTTACA	R6;T2;T3;T4
R_18.13	a18.13-b18.13-a17.13*-b17.12*	CTTCTGCGCCTTGACTGTCTAGTGTAGTTTGAATGAGCATA	R6;T2;T3;T4
R_18.14	a18.14-b18.14-a17.14*-b17.13*	CGATCACCGCTCGTAAACTATGAGCCCATTCGATTTACGCGA	R6;T2;T3;T4
R_18.15	a18.15-T11-T11-b17.14*	CTAACCGCCTTTTTTTTTTTTTTTTTTTTTTTTATGACATCTA	R6;T2;T3;T4
R_19.1	a19.1-b19.1-a18.2*-b18.1*	CTGAGATGATCTCAAACGATGAAGCGAACGATAGTCTGGAA	R3;R4;R5;R6;T2;T3;T4
R_19.2	a19.2-b19.2-a18.3*-b18.2*	CCCTTCCCGCTTAGCGGGCTGGTAAGGGTGACGGCCAGCA	R3;R4;R5;R6;T2;T3;T4
R_19.3	a19.3-b19.3-a18.4*-b18.3*	CCTGGCTAGTCTATTGTTAATGTGTGAGGCGATTGGCAGAAA	R3;R4;R5;R6;T2;T3;T4
R_19.4	a19.4-b19.4-a18.5*-b18.4*	CTACGTGGAGCTATTAGGGATGGCAGGTTAGAACTCTGACA	R3;R4;R5;R6;T2;T3;T4
R_19.5	a19.5-b19.5-a18.6*-b18.5*	CTGACATTACCTCACAACTCGGTATCGTTCGACGATCGGTCA	R3;R4;R5;R6;T2;T3;T4
R_19.6	a19.6-b19.6-a18.7*-b18.6*	CTAGGCGTTTCTTATGTCTTGCAGGCGAAGACCAGCCCTTA	R4;R5;R6;T2;T3;T4
R_19.7	a19.7-b19.7-a18.8*-b18.7*	CTTAAGGTGCCATATAATTTGGCCGTATAGAGACATGGTAA	R4;R5;R6;T2;T3;T4
R_19.8	a19.8-b19.8-a18.9*-b18.8*	CAACACTGGACTAGAACAACTGGCGTGCCTGAATTACCACCA	R5;R6;T2;T3;T4
R_19.9	a19.9-b19.9-a18.10*-b18.9*	CCCTCGTTTACTTCTTAGGCTGCACATGTGACCAAGGCATA	R5;R6;T2;T3;T4
R_19.10	a19.10-b19.10-a18.11*-b18.10*	CGACAGTCCCTGTGGTTAGTGAACGTAGTGAGCGAACACTA	R5;R6;T2;T3;T4
R_19.11	a19.11-b19.11-a18.12*-b18.11*	CCGTACATCTCTAAAGCAGATGTTGCTGTGGACTTTGTGCGA	R6;T2;T3;T4
R_19.12	a19.12-b19.12-a18.13*-b18.12*	CGGACCAGGGCTGGGCTCGATGGCGCAGAAGATATGGACTTA	R6;T2;T3;T4
R_19.13	a19.13-b19.13-a18.14*-b18.13*	CTCGGAAGCTCTCTACATATGGCGTATCGATGACAGTCAA	R6;T2;T3;T4
R_19.14	a19.14-b19.14-a18.15*-b18.14*	CGCCCCGAACTTCGGCCTATGTGCGGTTAGATAGTTTACGA	R6;T2;T3;T4
R_20.1	T10-b20.1-a19.1*-T10	TTTTTTTTTTTTTACCTTGCTTGATCATCTCAGTTTTTTTTTTT	R2;R3;R4;R5;R6;T4
R_20.2	a20.2-b20.2-a19.2*-b19.1*	CGCTTAAGTCTTGGCGCTAATGGCGGGAAGGGATTCTGTTTGA	R2;R3;R4;R5;R6;T2;T3;T4
R_20.3	a20.3-b20.3-a19.3*-b19.2*	CCCTAGGCCCTAGCTGCATGTGACTAGCCAGGAGCCGCCATA	R2;R3;R4;R5;R6;T2;T3;T4
R_20.4	a20.4-b20.4-a19.4*-b19.3*	CTAAGCCTTCTGTTAATTCCTTGCTCCACGTAGATTAACAATA	R2;R3;R4;R5;R6;T2;T3;T4
R_20.5	a20.5-b20.5-a19.5*-b19.4*	CGGGCTCCACTGTAAGTGTCTGGTAAATGTGATCCCTAATA	R3;R4;R5;R6;T2;T3;T4
R_20.6	a20.6-b20.6-a19.6*-b19.5*	CTCTGTATCTGAGTAGTGAAGAACCCCTAGAGGATTTGTA	R4;R5;R6;T2;T3;T4
R_20.7	a20.7-b20.7-a19.7*-b19.6*	CCCCTGCGACTACAATTAGATGGCACCTTAAGAAGGACATAA	R4;R5;R6;T2;T3;T4
R_20.8	a20.8-b20.8-a19.8*-b19.7*	CACCAACGGCTAGGCACGGCTGTCCAGTGTGAAATTTATATA	R5;R6;T2;T3;T4
R_20.9	a20.9-b20.9-a19.9*-b19.8*	CTGGGCAGTCTACGAACCTTGTAAACGAGGGAGTTGTTCTA	R5;R6;T2;T3;T4
R_20.10	a20.10-b20.10-a19.10*-b19.9*	CGAGCGATACTCACCCATTGTGGCGACTGTGCGAGCCTAAGAA	R5;R6;T2;T3;T4
R_20.11	a20.11-b20.11-a19.11*-b19.10*	CGTTATGCCCTTCAAGATTATGAGATGTACGGACTAACCCACA	R6;T2;T3;T4
R_20.12	a20.12-b20.12-a19.12*-b19.11*	CTGAAGTCCCTACAGCTGCGCTGCGCTCGATCTGCTTTA	R6;T2;T3;T4
R_20.13	a20.13-b20.13-a19.13*-b19.12*	CGGGCTTTGCTGAGCTGTGTGAGCTTCCGAGATCGAGCCCA	R6;T2;T3;T4
R_20.14	a20.14-b20.14-a19.14*-b19.13*	CGGCTACTTCTGATCTTGGGTGTTCCCGGGCGATATGTAGGA	R6;T2;T3;T4
R_20.15	a20.15-T11-T11-b19.14*	CGTCATATCCTTTTTTTTTTTTTTTTTTTTTTTTATAGCCGAA	R6;T2;T3;T4
R_21.1	a21.1-b21.1-a20.2*-b20.1*	CTTGCTTTGCTCCTAACGATGACTTAAGCGAAGCAAGGTAA	R2;R3;R4;R5;R6;T2;T3;T4
R_21.2	a21.2-b21.2-a20.3*-b20.2*	CAATACACCGCTGCAAGACCTGGGCCCTAGGGATTAGCGCCAA	R2;R3;R4;R5;R6;T2;T3;T4
R_21.3	a21.3-b21.3-a20.4*-b20.3*	C2TGGGACGGCTTTGGAATTGAAGGCTTAGACATGCAGCTA	R2;R3;R4;R5;R6;T2;T3;T4
R_21.4	a21.4-b21.4-a20.5*-b20.4*	CCAATTAGGACTAATTTAGATGAGGACCCGGAAGAAATTAACA	R3;R4;R5;R6;T2;T3;T4
R_21.5	a21.5-b21.5-a20.6*-b20.5*	CTTTGGCCATCTTATCCAATGATAACAGAGAAGCACTTACA	R3;R4;R5;R6;T2;T3;T4
R_21.6	a21.6-b21.6-a20.7*-b20.6*	CCCTGGTTATCTCCTATCCTTGTGCGACGGGACCTACTACCA	R4;R5;R6;T2;T3;T4
R_21.7	a21.7-b21.7-a20.8*-b20.7*	CTATTGTCTCTAAGGGTCCGCGGTTGGTGATCTAATTGTA	R4;R5;R6;T2;T3;T4
R_21.8	a21.8-b21.8-a20.9*-b20.8*	CTTTGCAATACTACCGGAAGTACTGCCCCAGAGCCGTGCCTA	R5;R6;T2;T3;T4
R_21.9	a21.9-b21.9-a20.10*-b20.9*	CCTACAGCCTCTATGGCAAATGTATCGCTCGAAGAGTTCCGTA	R5;R6;T2;T3;T4
R_21.10	a21.10-b21.10-a20.11*-b20.10*	CGGATCACCTCTCACAGGCCCTGGCATAAACGCAATGGGTGA	R5;R6;T2;T3;T4
R_21.11	a21.11-b21.11-a20.12*-b20.11*	CCTAGCATCTCTCTGGTGTGGACCTTCAGATAATCTTGAA	R6;T2;T3;T4
R_21.12	a21.12-b21.12-a20.13*-b20.12*	CATAGCGGAACTTAAACAAGTGCAAAGCCCGAGCACTCTGGA	R6;T2;T3;T4
R_21.13	a21.13-b21.13-a20.14*-b20.13*	CGACCGCCATCTATCTCAGGTGAAGTAGCCGAACACAGCTCA	R6;T2;T3;T4
R_21.14	a21.14-b21.14-a20.15*-b20.14*	CTGTGATGGACTACGGAACATGGATATGACGACCCAAAGATCA	R6;T2;T3;T4
R_22.1	T10-b22.1-a21.1*-T10	TTTTTTTTTTTTTGTGTTGTTGTTGGCAAAGCAAGTTTTTTTTTT	R1;R2;R3;R4;R5;R6;T4
R_22.2	a22.2-b22.2-a21.2*-b21.1*	CTCTGACGGCTACATFGAGGTGCGGTGTATFGATCGTTAGGA	R1;R2;R3;R4;R5;R6;T2;T3;T4
R_22.3	a22.3-b22.3-a21.3*-b21.2*	CGGAAGTGCCTCCATGATTGTGCGCTCCCAAGAGGCTTTGCA	R2;R3;R4;R5;R6;T2;T3;T4
R_22.4	a22.4-b22.4-a21.4*-b21.3*	CTACCATGGCTGCTCACGAGTGTCTAATTTGGAATTTCCAAA	R2;R3;R4;R5;R6;T2;T3;T4
R_22.5	a22.5-b22.5-a21.5*-b21.4*	CTTAGTCTGGCTGCCGATAGTTGATGGCCAAAGATCTAAATTA	R3;R4;R5;R6;T2;T3;T4
R_22.6	a22.6-b22.6-a21.6*-b21.5*	CGCAAGCGCCTGTATCAGGTTGATAACCAGGGATTTGGATAA	R4;R5;R6;T2;T3;T4
R_22.7	a22.7-b22.7-a21.7*-b21.6*	CTGGTGACGCTTCTAATTCGTGAGGACCAATAGAAGGATAGGA	R4;R5;R6;T2;T3;T4
R_22.8	a22.8-b22.8-a21.8*-b21.7*	CAGGAGAACCCTCTTCAACAATGTATFGCAAAGAGGACCCCTTA	R5;R6;T2;T3;T4
R_22.9	a22.9-b22.9-a21.9*-b21.8*	CCCTCTACACTTCCGTTGCTATGACGCTGTAGGAGTTCCGGTA	R5;R6;T2;T3;T4
R_22.10	a22.10-b22.10-a21.10*-b21.9*	CGGACTTAACTCGAGCTCCGTGAGGTGATCCGATTTGCCATA	R5;R6;T2;T3;T4
R_22.11	a22.11-b22.11-a21.11*-b21.10*	CCTGGCGATCTCACAAGCGTGAGATGCTAGGAGCCTGTGA	R6;T2;T3;T4

Seq_ID	Domains	Sequence	Used in
R_22.12	a22.12-b22.12-a21.12*-b21.11*	CGTGAGTCGCTAAAGGGCGCTGTTCCGCTATGAAACACCAGA	R6;T2;T3;T4
R_22.13	a22.13-b22.13-a21.13*-b21.12*	CCCTCCCTACTGTATGCCACTGATGGCGGTCGACTTGTAA	R6;T2;T3;T4
R_22.14	a22.14-b22.14-a21.14*-b21.13*	CTAGAATTGCTGCCCTCATTGTCACATCACAGACCTGAGATA	R6;T2;T3;T4
R_22.15	a22.15-T11-T11-b21.14*	CGGCTGGGACTTTTTTTTTTTTTTTTTTTTTTATGTTCCGTA	R6;T2;T3;T4
R_23.1	a23.1-b23.1-a22.2*-b22.1*	CATGCCTGCCCTTGCTAACCTTGCCGCTCAGAGAACAACA	R0;R1;R2;R3;R4;R5;R6;T2;T3;T4
R_23.2	a23.2-b23.2-a22.3*-b22.2*	CAAGACTATACTCAGGACGCTGGCACTCCGACCTCAATGTA	R1;R2;R3;R4;R5;R6;T2;T3;T4
R_23.3	a23.3-b23.3-a22.4*-b22.3*	CACGGCATCCTCCGTTTATGCCATGGTAGACAATCATGGA	R2;R3;R4;R5;R6;T2;T3;T4
R_23.4	a23.4-b23.4-a22.5*-b22.4*	CGTAAAGCTGCTATGGTCTATGCCGACTAAGACTCGTGAGCA	R3;R4;R5;R6;T2;T3;T4
R_23.5	a23.5-b23.5-a22.6*-b22.5*	CGTGAATGCACCTCGGTAGACTGGCGCTGCGAACATATCGGCA	R3;R4;R5;R6;T2;T3;T4
R_23.6	a23.6-b23.6-a22.7*-b22.6*	CTCGGTAATACTTTATGCTATGCGCTCACCAGAACCTGATACA	R4;R5;R6;T2;T3;T4
R_23.7	a23.7-b23.7-a22.8*-b22.7*	CAAGAGTCTCCTTTAGACAGTGGTTCTCCTGACGAATTAGAA	R4;R5;R6;T2;T3;T4
R_23.8	a23.8-b23.8-a22.9*-b22.8*	CCGGCTGGCCCTGGGCTGCGTGTGTAGAGGGATTGTTGAAGA	R5;R6;T2;T3;T4
R_23.9	a23.9-b23.9-a22.10*-b22.9*	CCTATGGACACTACGCACGTTGTTAAGTCCGATAGCACCGAA	R5;R6;T2;T3;T4
R_23.10	a23.10-b23.10-a22.11*-b22.10*	CAGAGATGAACTTGACTCGTTGATCGCCAGGACGGAGCTCGA	R5;R6;T2;T3;T4
R_23.11	a23.11-b23.11-a22.12*-b22.11*	CACCCTAGCGCTGGGCACTTTGCGACTCACGACGCTTTGTGA	R6;T2;T3;T4
R_23.12	a23.12-b23.12-a22.13*-b22.12*	CCTGCCGCTACTATACATAGTGTAGGGAGGGAGCGCCCTTTA	R6;T2;T3;T4
R_23.13	a23.13-b23.13-a22.14*-b22.13*	CGAAGAGACCCTTGATTTGGTCAATTCTAGAGTGGCATAACA	R6;T2;T3;T4
R_23.14	a23.14-b23.14-a22.15*-b22.14*	CCTTTGCCGGCTTCTATACTTGTCCAGCCGAATGAGAGGCA	R6;T2;T3;T4
R_24.1	T10-b24.1-a23.1*-T10	TTTTTTTTTTTTCAGTATGTATGGCAGGCATGTTTTTTTTTTT	R0;R1;R2;R3;R4;R5;R6;T4
R_24.2	a24.2-b24.2-a23.2*-b23.1*	CTGTATCGGCTTTAGTATAATGATATAGCTTGAAGTTAGCAA	R0;R1;R2;R3;R4;R5;R6;T2;T3;T4
R_24.3	a24.3-b24.3-a23.3*-b23.2*	CATCTGGGTCTACAAGACCCTGGATGCGCGTGAGCGTCTTGA	R1;R2;R3;R4;R5;R6;T2;T3;T4
R_24.4	a24.4-b24.4-a23.4*-b23.3*	CACAGATGCTATTTGCGAGTGCAGCTTTACGAATAAACGGA	R2;R3;R4;R5;R6;T2;T3;T4
R_24.5	a24.5-b24.5-a23.5*-b23.4*	CAGCGTGGACTCTGTAACAAATGTCATTCACGATAGACCATA	R3;R4;R5;R6;T2;T3;T4
R_24.6	a24.6-b24.6-a23.6*-b23.5*	CCGGCTCGCCTCTGGGTAGCTGTATTACCGAGAGTCTACCGA	R4;R5;R6;T2;T3;T4
R_24.7	a24.7-b24.7-a23.7*-b23.6*	CGCCTAGCTCTAGCAAACGTGGAGACTCTTGATAGCATAAA	R4;R5;R6;T2;T3;T4
R_24.8	a24.8-b24.8-a23.8*-b23.7*	CCCGGCTATCTAGTGCAGCTGGGCGAGCCGGACTGCTTAAA	R5;R6;T2;T3;T4
R_24.9	a24.9-b24.9-a23.9*-b23.8*	CCAGAATGACTCGACCTCGGTGTGTCATAGGACGCGAGCCCA	R5;R6;T2;T3;T4
R_24.10	a24.10-b24.10-a23.10*-b23.9*	CAAAGACGACTCTATTCGCTGTTTCTATCTGAACGTGCGTA	R5;R6;T2;T3;T4
R_24.11	a24.11-b24.11-a23.11*-b23.10*	CTGGGCCAACTACGGGCTCTGCGCTAGGGTGAACGAGTCAA	R6;T2;T3;T4
R_24.12	a24.12-b24.12-a23.12*-b23.11*	CGTGTGTGACTGTTCCGGACCTGTACGGGCGAGAAAGTGCCCA	R6;T2;T3;T4
R_24.13	a24.13-b24.13-a23.13*-b23.12*	CACCGTTTCCTAAGTAGTCAATGGGCTCTTTCGACTATGTATA	R6;T2;T3;T4
R_24.14	a24.14-b24.14-a23.14*-b23.13*	CCCAGGCTTCTGTAAGAGTATGCCGGCAAAGGACCAAATCAA	R6;T2;T3;T4
R_24.15	a24.15-T11-T11-b23.14*	CTTGGAAGACTTTTTTTTTTTTTTTTTTTTTTTAAGTATAGAA	R6;T2;T3;T4
R_25.1	a24.2*-b24.1*	GCCGATACAGATACATACTAGA	R0;R1;R2;R3;R4;R5;R6
R_25.2	a24.3*-b24.2*	GACCCAGATGATTATACTAAA	R1;R2;R3;R4;R5;R6
R_25.3	a24.4*-b24.3*	GACATCTGTGAGGGTCTTGTA	R2;R3;R4;R5;R6
R_25.4	a24.5*-b24.4*	GTCCACGCTGACTCGCAAATA	R3;R4;R5;R6
R_25.5	a24.6*-b24.5*	GGCGAGCCGGAATTGTTACGA	R3;R4;R5;R6
R_25.6	a24.7*-b24.6*	GAGCTAGGCGAGCTACCCAGA	R4;R5;R6
R_25.7	a24.8*-b24.7*	GATAGCCGGGACAGTTTGCTA	R4;R5;R6
R_25.8	a24.9*-b24.8*	GTCATCTGGACGCTCGACTA	R5;R6
R_25.9	a24.10*-b24.9*	GTCGCTCTTTGACCGAGGTCGA	R5;R6
R_25.10	a24.11*-b24.10*	GTTGGCCAGAACGGAATAGA	R5;R6
R_25.11	a24.12*-b24.11*	GTCACACACGAGAGGCCCGTA	R6
R_25.12	a24.13*-b24.12*	GGAAACGGTGAGGTCGGAACA	R6
R_25.13	a24.14*-b24.13*	GAAGCCTGGGATGACTACTTA	R6
R_25.14	a24.15*-b24.14*	GTCTTCCAAGATACTCTTACA	R6
R0_22.1	T10-b22.1	TTTTTTTTTTTTTGTGTTGTT	R0
R0_22.2	a22.2-b22.2	CTCTGACGGCTACATTGAGGT	R0
R0_23.2	a23.2-T10-T10-b22.2*	CAAGACTATACTTTTTTTTTTTTTTTTTTTTACCTCAATGTA	R0
R0_25.2	T10-b24.2*	TTTTTTTTTTTATTATACTAAA	R0
R1_21.1	a21.1-b21.1	CTTGCTTTGCCTCCTAACGAT	R1
R1_21.2	a21.2-b21.2	CAATACACCGCTGCAAGACCT	R1
R1_22.3	a22.3-T11-T11-b21.2*	CGGAAGTGCCTTTTTTTTTTTTTTTTTTTTTTTGGTCTTGCA	R1
R1_24.3	a24.3-T11-T11-b23.2*	CATCTGGGTCTTTTTTTTTTTTTTTTTTTTTTTAGCGTCTGTA	R1
R2_19.1	a19.1-b19.1	CTGAGATGATCTCAAACGAAT	R2
R2_19.2	a19.2-b19.2	CCCTTCCCGCCTTAGGCGGCT	R2
R2_19.3	a19.3-b19.3	CCTGGCTAGTCTATTGTTAAT	R2
R2_19.4	a19.4-T10	CTACGTGGAGCTTTTTTTTTTT	R2
R2_21.4	a21.4-b21.4-a20.5*-b20.4*	CCAATTAGGACTAATTTAGATGTGGAGCCGGAAGAAATTAACA	R2
R2_23.4	a23.4-b23.4-a22.5*-b22.4*	CGTAAAGCTGCTATGGTCTATGCCGACTAAGACTCGTGAGCA	R2
R2_25.4	T10-b24.4*	TTTTTTTTTTTACTCGCAAATA	R2
R3_15.1	a15.1-b15.1	CTGGGCAAGCCTTATTGCGAT	R3

Seq_ID	Domains	Sequence	Used in
R3_15.2	a15.2-b15.2	CGTGCGGTCCCTACGCGCAGT	R3
R3_15.3	a15.3-b15.3	CGCGGGCCGCCTTTCAATTAT	R3
R3_15.4	a15.4-b15.4	CTATCTGTACTGCACCGGTT	R3
R3_15.5	a15.5-b15.5	CCAAACCGTCCTCCTACGTTT	R3
R3_16.6	a16.6-T11-T11-b15.5*	CCTGAAGTTCTTTTTTTTTTTTTTTTTTTTTTTTAAACGTAGGA	R3
R3_18.6	a18.6-T11-T11-b17.5*	CGACGATACCTTTTTTTTTTTTTTTTTTTTTTTTACGGGCCCA	R3
R3_20.6	a20.6-T11-T11-b19.5*	CTCTGTATCTTTTTTTTTTTTTTTTTTTTTTTTAGGATTGTGA	R3
R3_22.6	a22.6-T11-T11-b21.5*	CGCAAGCGCCTTTTTTTTTTTTTTTTTTTTTTTTATTGGATAA	R3
R3_24.6	a24.6-T11-T11-b23.5*	CCGGCTCGCCTTTTTTTTTTTTTTTTTTTTTTTTAGTCTACCGA	R3
R4_13.1	a13.1-b13.1	CCCGAAGTACCTCTGCAGGAT	R4
R4_13.2	a13.2-b13.2	CGTTACCAGGCTACGATGAGT	R4
R4_13.3	a13.3-b13.3	CTGTCCCACTCTCCTTCAAAT	R4
R4_13.4	a13.4-b13.4	CATTATATTGCTCCTGAGGGT	R4
R4_13.5	a13.5-b13.5	CGTGCAATGCCCTCCCAAACCTT	R4
R4_13.6	a13.6-b13.6	CATTGCACTGCTCTACCCTTT	R4
R4_13.7	a13.7-b13.7	CTTCATCGACTGTTAGGTT	R4
R4_14.8	a14.8-T11-T11-b13.7*	CTGCACCAGCTTTTTTTTTTTTTTTTTTTTTTTTAACTAAACA	R4
R4_16.8	a16.8-T11-T11-b15.7*	CCCTCAGCACTTTTTTTTTTTTTTTTTTTTTTTTATAAGACACA	R4
R4_18.8	a18.8-T11-T11-b17.7*	CTATACGGCCTTTTTTTTTTTTTTTTTTTTTTTTAGGTGGCGCA	R4
R4_20.8	a20.8-T11-T11-b19.7*	CACCAACGGCTTTTTTTTTTTTTTTTTTTTTTTTAAATTATATA	R4
R4_22.8	a22.8-T11-T11-b21.7*	CAGGAGAACCCTTTTTTTTTTTTTTTTTTTTTTTTAGGACCCCTTA	R4
R4_24.8	a24.8-T11-T11-b23.7*	CCCGGCTATCTTTTTTTTTTTTTTTTTTTTTTTTACTGCTAAA	R4
R5_7.1	a7.1-b7.1	CGATTGGTCTCTGAGACTTAT	R5
R5_7.2	a7.2-b7.2	CGGGCCGGCTCTATTGACAAT	R5
R5_7.3	a7.3-b7.3	CAGAGGATGGCTTTCCGATGT	R5
R5_7.4	a7.4-b7.4	CACCAAAGGGCTCAACAACCTT	R5
R5_7.5	a7.5-b7.5	CTTGTTTCAGACTCGAATTCCT	R5
R5_7.6	a7.6-b7.6	CAGAGCATCCCTACAGATGCT	R5
R5_7.7	a7.7-b7.7	CGTACTGGTTCTGACAGGCTCT	R5
R5_7.8	a7.8-b7.8	CCTCGGACGCCTAACTTCTGT	R5
R5_7.9	a7.9-b7.9	CCACCAAACCTTATAGCCCGT	R5
R5_7.10	a7.10-b7.10	CATGAGTGAAGTGTAGGCTCT	R5
R5_8.11	a8.11-T11-T11-b7.10*	CTTCCAGCCCTTAAAGCGGATGTGTACTCTAGAGACCTAACA	R5
R5_10.11	a10.11-T11-T11-b9.10*	CATGCAACCCCTGTAAGCAAATGAGACAGTATGAAGGTAGCCA	R5
R5_12.11	a12.11-T11-T11-b11.10*	CGCGCCTGACTCTGGCTGTATGTTTCGAAGAAGAGTGCCTGTA	R5
R5_14.11	a14.11-T11-T11-b13.10*	CATGTAAGACTACGAATCGCTGCACGCTCATGATGGAGATCA	R5
R5_16.11	a16.11-T11-T11-b15.10*	CCAACATTACTTCGCGGGATGCAGCAAGTAGAATTACTTTA	R5
R5_18.11	a18.11-T11-T11-b17.10*	CACTACGTTCTGACACAAAGTGATCCCTCAAGACGAGGAGCA	R5
R5_20.11	a20.11-T11-T11-b19.10*	CGTTATGCCCTTCAAGATTATGAGATGTACGGACTAACCACA	R5
R5_22.11	a22.11-T11-T11-b21.10*	CCTGGCGATCTCACAAGCGTGAGATGCTAGGAGGCCTGTGA	R5
R5_24.11	a24.11-T11-T11-b23.10*	CTGGGCCAACTACGGGCCCTCTGCGCTAGGGTGAACGAGTCAA	R5

Seq_ID	Domains	Sequence	Used in
RT3_9.1	a1.1-b1.1-a8.2*-b8.1*	CAGGGTGGTACTATTTATCGTGGCTGTGCGGAACCCAAGCAA	T1;T3
RT3_9.2	a1.2-b1.2-a8.3*-b8.2*	CCTCCGGGCACTCAGCTTACTGGGAACCTAGAGAGGGTATGA	T1;T3
RT3_9.3	a1.3-b1.3-a8.4*-b8.3*	CAACCGATCTCTGGATAATATGTAGCCATAGATTATAAGGAA	T1;T3
RT3_9.4	a1.4-b1.4-a8.5*-b8.4*	CCCGTCAAAGCTTATATTTCTGGACAACAACGAAACGGTTGTGA	T1;T3
RT3_9.5	a1.5-b1.5-a8.6*-b8.5*	CTATTTAGAACTCCAGGAAGTGAGACGCTCGAGCGTGATATA	T1;T3
RT3_9.6	a1.6-b1.6-a8.7*-b8.6*	CCAGGCCACCTATATGGATTGGAGCGTCAGAAAGACAACAA	T1;T3
RT3_9.7	a1.7-b1.7-a8.8*-b8.7*	CTTAAAGGCTCTGGTTGAAGTGTAAATGTGATAGGTCCAGA	T1;T3
RT3_9.8	a1.8-b1.8-a8.9*-b8.8*	CAGATCAGACTAACACACCTGCGTATGTTGAGGATAAGTTA	T1;T3
RT3_9.9	a1.9-b1.9-a8.10*-b8.9*	CGCCTCATCTGTGAACACTGTGGAAGTATTGACTGGCTCGAA	T1;T3
RT3_9.10	a1.10-b1.10-a8.11*-b8.10*	CGGCTGAGAACTTAAGTTTCTGGGCTGGAAGAGATAGGTGTA	T1;T3
RT3_9.11	a1.11-b1.11-a8.12*-b8.11*	CGGTCTCGCCCTTAGAATGATGTGGATAGGGATCCGCTTTAA	T1;T3
RT3_9.12	a1.12-b1.12-a8.13*-b8.12*	CGGGCGCCAACCTGAAGCCCTTGGGCTTGGAGAGTCGAACATA	T1;T3
RT3_9.13	a1.13-b1.13-a8.14*-b8.13*	CGGGACATCCCTTTAGTGCATGATCCGTAGGATGTTTCGTGA	T1;T3
RT3_9.14	a1.14-b1.14-a8.15*-b8.14*	CGGAGATGCGCTCAGATGTATGCGTGTGCTGGAATGTGCATCA	T1;T3
RT3_17.1	a9.1-b9.1-a16.2*-b16.1*	CCTTACCGGACTTTCCGTAATGTATGTCTTGATGATGGGCCA	T2;T3
RT3_17.2	a9.2-b9.2-a16.3*-b16.2*	CTTACCGGCTAGTGTCTCATGTGGTCTAGAATACAGAATA	T2;T3
RT3_17.3	a9.3-b9.3-a16.4*-b16.3*	CTTGATCGAACTTGTATATGTCACAAAGGATAAAGAAAGA	T2;T3
RT3_17.4	a9.4-b9.4-a16.5*-b16.4*	CTGGTTTGATCTCGTACCAATGGGTTGCGGTGAGACCTCCTTA	T2;T3
RT3_17.5	a9.5-b9.5-a16.6*-b16.5*	CCCGTGTGATGCATAGTATGAACCTCAGGAGCGAGCGGAA	T2;T3
RT3_17.6	a9.6-b9.6-a16.7*-b16.6*	CCGCTAGATCCCTTGTGCTGGTCACTCAGATCCGGATCAA	T2;T3
RT3_17.7	a9.7-b9.7-a16.8*-b16.7*	CGCAGGCTAGCTTACGTTAGTGTGCTGAGGGAATGGATGGAA	T2;T3
RT3_17.8	a9.8-b9.8-a16.9*-b16.8*	CTCCGGTCACTAGTTAGTATGTCCTACCAGACCAGAAGTGA	T2;T3
RT3_17.9	a9.9-b9.9-a16.10*-b16.9*	CGGTCTTAACTGGGATTACTGCGAGGACAGATAACGGATGGA	T2;T3
RT3_17.10	a9.10-b9.10-a16.11*-b16.10*	CAGTTCGTCACTGGCTACCTTGTAAATGTTGGAACCGGTTTA	T2;T3
RT3_17.11	a9.11-b9.11-a16.12*-b16.11*	CATACGTCTCTAACTGCAATGTGTTGTGTCATCCCGCGGAA	T2;T3
RT3_17.12	a9.12-b9.12-a16.13*-b16.12*	CTTGGCTTTACTTATCGGCGTGGGTCGGGCGACGTAATGCAA	T2;T3
RT3_17.13	a9.13-b9.13-a16.14*-b16.13*	CGTAAGGGCACTATCGTTTTATGCTCGTCCCAGAGCCACTTA	T2;T3
RT3_17.14	a9.14-b9.14-a16.15*-b16.14*	CTCGCTTTAGCTGGAGACCGTGGTACAAATGACAAGCGTTGA	T2;T3
RT3_25.1	a17.1-b17.1-a24.2*-b24.1*	CTTTGGGTACCTAGACGGGTTGCGCATACAGATAACATACTGA	T2;T3
RT3_25.2	a17.2-b17.2-a24.3*-b24.2*	CGCATGTCCGCTCCAGAAAGTGACCAGATGATTATACTAAA	T2;T3
RT3_25.3	a17.3-b17.3-a24.4*-b24.3*	CTAAGGACGCTCCAATTCATGACATCTGTGAGGGTCTTGTA	T2;T3
RT3_25.4	a17.4-b17.4-a24.5*-b24.4*	CAAATGCATACCTTTGTTTGTGTCACCGCTGACTCGCAAATA	T2;T3
RT3_25.5	a17.5-b17.5-a24.6*-b24.5*	CACTTAGAGTCTGGGCCCCGTTGGCGAGCCGGAATTTGTTACGA	T2;T3
RT3_25.6	a17.6-b17.6-a24.7*-b24.6*	CTCTCATGTACTATGTTCACTGAGCTAGGCGAGCTACCCAGA	T2;T3
RT3_25.7	a17.7-b17.7-a24.8*-b24.7*	CCAGCTGACTCTGCGCCACCTGATGACAGCCGGACGTTTGCTA	T2;T3
RT3_25.8	a17.8-b17.8-a24.9*-b24.8*	CATCTGATATCTCGGAACGATGTCATTTCTGGACGTCGCACTA	T2;T3
RT3_25.9	a17.9-b17.9-a24.10*-b24.9*	CTACTATTGCCTGCTCGAGGTGTCGTTTGTGACCGAGGTCGA	T2;T3
RT3_25.10	a17.10-b17.10-a24.11*-b24.10*	CTGCAGAAACCTGCTCCTCGTGTGGCCAGAACGGAATAGA	T2;T3
RT3_25.11	a17.11-b17.11-a24.12*-b24.11*	CTTGAGGGATCTGTAATTTATGTCACACAGAGAGGCCCGTA	T2;T3
RT3_25.12	a17.12-b17.12-a24.13*-b24.12*	CAGGAGTACACCTATGCTCATTGGAACCGGTGAGGTCGGAACA	T2;T3
RT3_25.13	a17.13-b17.13-a24.14*-b24.13*	CAAACCTACTCTCGCGTAAATGAAGCCTGGGATGACTACTTA	T2;T3
RT3_25.14	a17.14-b17.14-a24.15*-b24.14*	CGAATGGCTCTAGATGTCATGCTTCCAAAGATACTCTTACA	T2;T3
RT3_2.15	a2.15-b10.1-a9.1*-b1.14*	CCTATTTGTCTAGTGCAGAAATGTCGGGTAAGGATACATCTGA	T1;T3
RT3_4.15	a4.15-b12.1-a11.1*-b3.14*	CATGCTCGCCTCTGTGCATATGGAAGCAAAGGAAGGGACTCA	T1;T3
RT3_6.15	a6.15-b14.1-a13.1*-b5.14*	CCCTGACGCCGTGTTACTTGTGTTGACTTCCGGATGCCCGGTA	T1;T3
RT3_8.15	a8.15-b16.1-a15.1*-b7.14*	CCAGCAACGCTGGCCCATCATGGCTTGGCCAGACTATTTCGCA	T1;T3
RT3_10.15	a10.15-b18.1-a17.1*-b9.14*	CGGCAACGCTTCCAGACTATGGTACCCAAAGACGGTCTCCA	T2;T3
RT3_12.15	a12.15-b20.1-a19.1*-b11.14*	CCACCTCCTCTTACCCTTGTGTCATCTCAGAGTTACCGCA	T2;T3
RT3_14.15	a14.15-b22.1-a21.1*-b13.14*	CTATAGTAACTGTTGTTGTTGGCAAAGCAAGACTGTCCGGGA	T2;T3
RT3_16.15	a16.15-b24.1-a23.1*-b15.14*	CATTGTACTCTCAGTATGTATGGCAGGCATGAAGCTGTTAA	T2;T3
RT4_1.1	a1.1-b1.1-a24.2*-b24.1*	CAGGGTGGTACTATTTATCGTGGCAGATACAGATACATACTGA	T4
RT4_1.2	a1.2-b1.2-a24.3*-b24.2*	CCTCCGGGCACTCAGCTTACTGACCAGATGATTATACTAAA	T4
RT4_1.3	a1.3-b1.3-a24.4*-b24.3*	CAACCGATCTCTGGATAATATGACATCTGTGAGGGTCTTGTA	T4
RT4_1.4	a1.4-b1.4-a24.5*-b24.4*	CCCGTCAAAGCTTATATTTCTGGACAACAACGAAACGGTTGTGA	T4
RT4_1.5	a1.5-b1.5-a24.6*-b24.5*	CTATTTAGAACTCCAGGAAGTGCGAGCCGGAATTTGTTACGA	T4
RT4_1.6	a1.6-b1.6-a24.7*-b24.6*	CCAGGCCACCTATATGGATTGAGCTAGGCGAGCTACCCAGA	T4
RT4_1.7	a1.7-b1.7-a24.8*-b24.7*	CTTAAAGGCTCTGGTTGAAGTGTAGCCGGGACAGTTTGCTA	T4
RT4_1.8	a1.8-b1.8-a24.9*-b24.8*	CAGATCAGACTAACACACCTGTCATTTCTGGACGTCGCACTA	T4
RT4_1.9	a1.9-b1.9-a24.10*-b24.9*	CGCCTCATCTGTGAACACTGTGCTCTTTGACCGAGGTCGA	T4
RT4_1.10	a1.10-b1.10-a24.11*-b24.10*	CGGCTGAGAACTTAAGTTTCTGTTGGCCAGAACGGAATAGA	T4
RT4_1.11	a1.11-b1.11-a24.12*-b24.11*	CGGTCTCGCCCTTAGAATGATGTCCACACAGAGAGGCCCGTA	T4
RT4_1.12	a1.12-b1.12-a24.13*-b24.12*	CGGGCGCCAACCTGAAGCCCTTGGAAACGGTGGGTCGGAACA	T4
RT4_1.13	a1.13-b1.13-a24.14*-b24.13*	CGGGACATCCCTTTAGTGCATGAAGCCTGGGATGACTACTTA	T4

Seq_ID	Domains	Sequence	Used in
RT4_1.14	a1.14-b1.14-a24.15*-b24.14*	CGGAGATGCGCTCAGATGTATGTCCTCCAAGATACTCTTACA	T4

Seq_ID	Domains	Sequence	Used in
T_1.1	x1.1-y1.1-x12.2*-y12.1*	CCGTGCTCCTCTTAATCACAGTGCCTTCGAAAGACGCCCTCCCA	T5
T_1.2	x1.2-y1.2-x12.3*-y12.2*	CCTAGCTATTCTAGTCCGGTATGCTGCGTTTGTATGGACCGGAAA	T5
T_1.3	x1.3-y1.3-x12.4*-y12.3*	CTTACACACCCCTAAGCGCTGTGCCGTGCTAGAGGTGTTAGGA	T5
T_1.4	x1.4-y1.4-x12.5*-y12.4*	CCAGCTATTGCTGTACTGTATGCGGTAAGTGGAGGACATGTTA	T5
T_1.5	x1.5-y1.5-x12.6*-y12.5*	CTACGATGCTCTCGCGATTCTGTGCATACAGATGAAGGACTA	T5
T_1.6	x1.6-y1.6-x12.7*-y12.6*	CTAGCCCGGACTGTAGAGTCTGAATGGCTAGAATGGAGCGTA	T5
T_1.7	x1.7-y1.7-x12.8*-y12.7*	CCGCGATATTCTACCCGCTTTCGCGCGATAGACGTTATACCTA	T5
T_1.8	x1.8-y1.8-x12.9*-y12.8*	CCATAACTTGTCTGCTGGCTGTTGTGTCAGGGATTAACGGTTA	T5
T_1.9	x1.9-y1.9-x12.10*-y12.9*	CGGTGACCATCTAGTCCCTAATGACGGCAGGGAAGCCATGATA	T5
T_1.10	x1.10-y1.10-x12.11*-y12.10*	CAATTCACGGCTGTGTTTGTGCTATGCCGATCGCGGCCA	T5
T_1.11	x1.11-y1.11-x12.12*-y12.11*	CTGGGAGGCCCTCGTAGAAGTGTATGTCAGACTTTATCCGA	T5
T_1.12	x1.12-y1.12-x12.13*-y12.12*	CAAGCTTATGCTTCCCTTGTGTCGCCACGAGGCCCTTAGGA	T5
T_1.13	x1.13-y1.13-x12.14*-y12.13*	CGCGCGCATCCTCCTATATATGGAAGCTAGGATTTATCCGA	T5
T_1.14	x1.14-y1.14-x12.15*-y12.14*	CGATAATACCCCTGACATTGTTGTACAAGATGAGTAGGCTGCA	T5
T_1.15	x1.15-y1.15-x12.16*-y12.15*	CGCCGGGAAGCTCATAATGCTGTGGGAAAGGATTATTCGTCA	T5
T_1.16	x1.16-y1.16-x12.17*-y12.16*	CTGGCATGCTCGGGCTTGTGTAGCCCTGGAGTGGTTGCAA	T5
T_1.17	x1.17-y1.17-x12.18*-y12.17*	CTTCGCGAGGCTAAGGGAGGTGCTAACAAATGACCTGGGCTGA	T5
T_1.18	x1.18-y1.18-x12.19*-y12.18*	CTTATTGTGTCTAGTAGTTATGACATCAATGACGCTACTCCA	T5
T_1.19	x1.19-y1.19-x12.20*-y12.19*	CAGTGCAGTACTTTGAGGGATGGCACCAGGGAACGTCCTAAA	T5
T_1.20	x1.20-y1.20-x12.21*-y12.20*	CCTGTCCCGGCTGCCGGACATGAAGTCGATGACGCACAGGCA	T5
T_1.21	x1.21-y1.21-x12.22*-y12.21*	CTGACTAAACCTTAGCCCGGTGGCCTCAAGGACCGCACATAA	T5
T_1.22	x1.22-y1.22-x12.23*-y12.22*	CCTAATTTAACTTGCTCCTTGGCTAGCGCTCGAACGCTGAAGA	T5
T_1.23	x1.23-y1.23-x12.24*-y12.23*	CGGAAACCCACTACCTCTGCTGCTCGCCGAGATGGATCGGCA	T5
T_1.24	x1.24-y1.24-x12.25*-y12.24*	CATACGAGCACTAAGCCGTGTGTGCCCTGTCGAGTGCCTTCCA	T5
T_1.25	x1.25-y1.25-x12.26*-y12.25*	CGACTGTCCACTCCTCCCTTTGTGTCAGCTCAGAGTCCCTGAA	T5
T_1.26	x1.26-y1.26-x12.27*-y12.26*	CGCAGAGGCGCTAAGTCGCTGGAAGACTTGAAACCTACCCA	T5
T_1.27	x1.27-y1.27-x12.28*-y12.27*	CTTGCGTGTCTTTTATAACTGCTCTTGGCGACCGTAGAGGA	T5
T_1.28	x1.28-y1.28-x12.29*-y12.28*	CTCTTTCATACTTCGACCTTTGGTCAAATAGAACTTGCAGA	T5
T_1.29	x1.29-y1.29-x12.30*-y12.29*	CGTTCTCAGGCTAGCGGCTTGGTAACTGATCGATACAAATGTA	T5
T_1.30	x1.30-y1.30-x12.31*-y12.30*	CACAAGAGACCTCACGACGGTGTGTATCGCGACGTCCAATGA	T5
T_1.31	x1.31-y1.31-x12.32*-y12.31*	CATGCGAGCCCTCACGAGAGTGGCGGGTGAAGCAGGAGCA	T5
T_1.32	x1.32-y1.32-x12.33*-y12.32*	CTGAACCTTCCCTTAGTGAGTGGGGAAGAAATGAATATATCATA	T5
T_1.33	x1.33-y1.33-x12.34*-y12.33*	CCACACTTTTGCTAGAATTAATGGAGCCAGGGATACCAACCCA	T5
T_1.34	x1.34-y1.34-x12.35*-y12.34*	CCATATTGACTGCACCTTCGTGCTGTGATGAGATTTGCCAA	T5
T_1.35	x1.35-y1.35-x12.36*-y12.35*	CTCGGATACCTTCGAGTTCCTGAGACCCGATGGCTGTAA	T5
T_1.36	x1.36-y1.36-x12.37*-y12.36*	CTAGGCCGCACTATTAGTTGTGACGTACACGATAAGAGAGAA	T5
T_1.37	x1.37-y1.37-x12.38*-y12.37*	CCGCACGGATCTTGAGACGCTGTTAGACCGGATGCCAGCCCA	T5
T_1.38	x1.38-y1.38-x12.39*-y12.38*	CCCCTCACGACTCCGACCCATGATAAATCAGAATGATCCATA	T5
T_1.39	x1.39-y1.39-x12.40*-y12.39*	CCAGGTGTTTCCCTGGGTGACGCTGATACATAGGGAATGAAATAA	T5
T_1.40	x1.40-y1.40-x12.41*-y12.40*	CATCGGTCCACTAGATTGCGTGGGTGCAAAGACTTCCATTCA	T5
T_1.41	x1.41-y1.41-x12.42*-y12.41*	CAAGGATAAACTATCACGGTTGCGGTTGGCGAGGGTGGCCGA	T5
T_1.42	x1.42-y1.42-x12.43*-y12.42*	CTGTTGAGATTCTAATCCGGATGTGTTGTAGACTGTCAGTCA	T5
T_1.43	x1.43-y1.43-x12.44*-y12.43*	CTCTGTATGGCTAGTCTGATGAAGGCGTTGACTCGGCTTGA	T5
T_1.44	x1.44-y1.44-x12.45*-y12.44*	CTATGTAGACTAACTAGAATGCCAATAATGATCAACAGCTA	T5
T_1.45	x1.45-y1.45-x12.46*-y12.45*	CTTGGTACACCTAATTAGTATGTTCTTAGCGATATGCAGTGA	T5
T_1.46	x1.46-y1.46-x12.47*-y12.46*	CTTAGCTAGACTTGTACTAATGGCGCCCGGGATCATACGTGA	T5
T_1.47	x1.47-y1.47-x12.48*-y12.47*	CGGATGGCGGCTGGCCGCTGTGGCCGGAGTGAACGAACTCTA	T5
T_1.48	x1.48-y1.48-x12.49*-y12.48*	CCAATAGGCCCTTGACAGCTGTAACACTGGATATATATCTTA	T5
T_1.49	x1.49-y1.49-x12.50*-y12.49*	CTGGTGAATCTAAGATCGTTGCGGAGCCGAAATCCGTTGA	T5
T_1.50	x1.50-y1.50-x12.51*-y12.50*	CAATTTACTACTCGTCTAGTTGCGGGCTCCGATGCTTACTA	T5
T_1.51	x1.51-y1.51-x12.52*-y12.51*	CTGTGTAGGCTTCGGGAACGTCGCCCTTTCGAGGTTTCCA	T5
T_1.52	x1.52-y1.52-x12.53*-y12.52*	CCACCTGGCCCTTACGCCTCTGATCGAAGAGAGACTATCAAA	T5
T_1.53	x1.53-y1.53-x12.54*-y12.53*	CTCTGGGTCGCTGTGCTACTTGTGCGCCACCGACCCAAGAGAA	T5
T_1.54	x1.54-y1.54-x12.55*-y12.54*	CACAACCCAGCTCGGAGAAATGGTACTTGAGACGTAATCGTA	T5
T_1.55	x1.55-y1.55-x12.56*-y12.55*	CTGCTTTCGCCTCACGTGCCCTGACGATACGAACTATCAACA	T5
T_1.56	x1.56-y1.56-x12.57*-y12.56*	CTGCTTCTCACTTAAATCAGTGGTTGTTAGAACGCTGGACA	T5
T_1.57	x1.57-y1.57-x12.58*-y12.57*	CCAGCACCGGCTACCTTCTCTGAACATCTAGACTACATAGAA	T5
T_1.58	x1.58-y1.58-x12.59*-y12.58*	CGCCGCATCGCTCCATATGCTGTTGGAGCGGAAGCTCTCAGA	T5
T_1.59	x1.59-y1.59-x12.60*-y12.59*	CGAAGGAGCCCTACTTAAAGTGGCTAATCTGAAATTTATATA	T5
T_1.60	x1.60-y1.60-x12.61*-y12.60*	CCGTACCGCCCTTATCTGCTGAGAGACCGGAGCCAGTGTGA	T5
T_1.61	x1.61-y1.61-x12.62*-y12.61*	CATTCGCTGCTTCAATAAATGCAATCGAATGACGACATTAGA	T5
T_1.62	x1.62-y1.62-x12.63*-y12.62*	CGGGAGTTATCTTGGCAGGATGCGAACTAAGAACCTTTGTAA	T5
T_1.63	x1.63-y1.63-x12.64*-y12.63*	CGCTATTAGCCTTGGCCCTTGGCCACGGGATGCTATATA	T5

Seq_ID	Domains	Sequence	Used in
T_1.64	x1.64-y1.64-x12.65*-y12.64*	CCCAGTAGATCTAGCCGCTCGGTTTCGTGGACTGAGTACTA	T5
T_1.65	x1.65-y1.65-x12.66*-y12.65*	CATCGTGAGGCTGGTGGAGATGGCTCACCCGAGGCGGCTACTA	T5
T_1.66	x1.66-y1.66-x12.67*-y12.66*	CGGCTTTCCTCTCGTTCCTTTGGCAGTGGAGATACTCCTTTA	T5
T_1.67	x1.67-y1.67-x12.68*-y12.67*	CCAAACCTAACTAAGCTAAATGTGTGCTCTGAGCATGGTGTA	T5
T_1.68	x1.68-y1.68-x12.69*-y12.68*	CCGTACTTCCCTGCCCATAGTGGCAACCTCGAGGTGATAGTA	T5
T_1.69	x1.69-y1.69-x12.70*-y12.69*	CCAGTTGGCGCTATAGAGTGTGTGAAGTGCAGCGAAGATAA	T5
T_1.70	x1.70-y1.70-x12.71*-y12.70*	CAGTATCAGGCTTGACTCGATGTAACGTCCGAAATGTGTAGA	T5
T_1.71	x1.71-y1.71-x12.72*-y12.71*	CGCGTACTACCTGTTTGTATTTGGGACCGGTGATATTTCTCGA	T5
T_1.72	x1.72-y1.72-x12.73*-y12.72*	CCAGAAATTTCTATTTGTTGGTGGATGCAAAGAAGGCACGGAA	T5
T_1.73	x1.73-y1.73-x12.74*-y12.73*	CATCTCTTGCCCTACAGGTCATGTGACAGCCGAGCTAAGGAGA	T5
T_1.74	x1.74-y1.74-x12.75*-y12.74*	CCCTATATCACTTTAGGTATTTGGTCTAAGAGATGTGATCCAA	T5
T_1.75	x1.75-y1.75-x12.76*-y12.75*	CAATCGAAGCCTTTATGGTCTGTGCGGTACGACGAAGTTGGA	T5
T_1.76	x1.76-y1.76-x12.77*-y12.76*	CTTCTAGGTACTAAGAGTCTGCTAGGCCAGACGACTGCCAA	T5
T_1.77	x1.77-y1.77-x12.78*-y12.77*	CCCAGTTCGCCTGGTAGCGCTGACTATGTTGATGCACTATAA	T5
T_1.78	x1.78-y1.78-x12.79*-y12.78*	CATCCACCGCCTACTCCGCTTGGGAAGTGGAGATTTGAGTA	T5
T_1.79	x1.79-y1.79-x12.80*-y12.79*	CCAATGGGAAGCTCTATGGACTGCGTTACACGAGCGCTAGAGA	T5
T_1.80	x1.80-y1.80-x12.81*-y12.80*	CCTCGTCAAACCTTTATAAGTGGAAAGAGCGAGGTGCAGCGA	T5
T_1.81	x1.81-y1.81-x12.82*-y12.81*	CTCGCGGACCCCTAATGGCCGTGTCGCCGAGCGACTAAGCGTGA	T5
T_1.82	x1.82-y1.82-x12.83*-y12.82*	CGAATTCGGTCTACCTAGACTGTGCGGGCGGAACGATACTGA	T5
T_1.83	x1.83-y1.83-x12.84*-y12.83*	CACCGTTAAACTCGGTACTTTGTTTCGCGTAGACGACCCATAA	T5
T_1.84	x1.84-y1.84-x12.85*-y12.84*	CCGAGGCAAACCTTACTATACTGAGTTCATGGAGCATTTCTGAA	T5
T_1.85	x1.85-y1.85-x12.86*-y12.85*	CGAGAAAGCCCTTAGAAATCTGGTTGCAGAGACGATGGCTAA	T5
T_1.86	x1.86-y1.86-x12.87*-y12.86*	CTTACCGTAGCTTTTGAATCTGTCCCAAAGATTTATCGCTCA	T5
T_1.87	x1.87-y1.87-x12.88*-y12.87*	CCTGCGTGACCTAGGAACCGTGGGACACTGGAGTACCAAACA	T5
T_1.88	x1.88-y1.88-x12.89*-y12.88*	CTACGTTGACTTCCCTAAATGAATCAAGGGATATTAGTATA	T5
T_2.1	T10-y2.1-x1.1*-T10	TTTTTTTTTTTGGCACTCACTGAGGACCACGGTTTTTTTTTTT	T5;R7
T_2.2	x2.2-y2.2-x1.2*-y1.1*	CTGCCACGGCTTTAAATTACTGAATAGCTAGGACGTGATTAA	T5;R7
T_2.3	x2.3-y2.3-x1.3*-y1.2*	CATGAGCACCCTGCGTTTCATGGGTGTGTAAGATACCGACTA	T5;R7
T_2.4	x2.4-y2.4-x1.4*-y1.3*	CTGGGTGCCCTTGTACATCATGCAATAGCTGGACAGCGCTTA	T5;R7
T_2.5	x2.5-y2.5-x1.5*-y1.4*	CGAGTGAATCTCTGGTGACTTGGAGCATCGTAGATACAGTACA	T5;R7
T_2.6	x2.6-y2.6-x1.6*-y1.5*	CGACCACGACTGTGTACTGGTGTGCGGGCTAGAGAATCGCGA	T5;R7
T_2.7	x2.7-y2.7-x1.7*-y1.6*	CCGACAAAGCTGAGTCTGTGTGAATATCGCGGAGACTCTACA	T5;R7
T_2.8	x2.8-y2.8-x1.8*-y1.7*	CCCATCCATCTGTTACATAATGCAAGTTATGGAAGCGGGTA	T5;R7
T_2.9	x2.9-y2.9-x1.9*-y1.8*	CAGCGCTCCCTACAGACCGGTGATGGTCAACCGAGCCAGGACA	T5;R7
T_2.10	x2.10-y2.10-x1.10*-y1.9*	CATACCGCTCTGACGATTTGTGGCGTAAATGATTAGGACTA	T5;R7
T_2.11	x2.11-y2.11-x1.11*-y1.10*	CTGGTGTGCTGACCTTAAAGTGGGCTCCAGACTAAACACA	T5;R7
T_2.12	x2.12-y2.12-x1.12*-y1.11*	CAACAAGCGCTTTGAAAGCCTGCATAAGCTTGGATTCTACGA	T5;R7
T_2.13	x2.13-y2.13-x1.13*-y1.12*	CGTGTCTCTCTACGGCACATGGATGCGCGGAACAAGGAA	T5;R7
T_2.14	x2.14-y2.14-x1.14*-y1.13*	CCTCGCAACCTCAGATAGCGTGGGTATTATCGATATATAGGA	T5;R7
T_2.15	x2.15-y2.15-x1.15*-y1.14*	CAACTCTACCTCAGCGGTGTTGCTTCCCGGCGAACAATGTCA	T5;R7
T_2.16	x2.16-y2.16-x1.16*-y1.15*	CCGAAAGAGCTCGAAACTATTGACCTGGCCAGAGCATTATGA	T5;R7
T_2.17	x2.17-y2.17-x1.17*-y1.16*	CTCATACCTCTTCTCCAAGATGCTGCGGCAAGACAACGCCCA	T5;R7
T_2.18	x2.18-y2.18-x1.18*-y1.17*	CAGAGTCACTCTACACTGTTGACACAATAAGACCTCCCTTA	T5;R7
T_2.19	x2.19-y2.19-x1.19*-y1.18*	CCCGGACCTCTACCCATATCTGTACTGCACTGATAACTACTA	T5;R7
T_2.20	x2.20-y2.20-x1.20*-y1.19*	CGAATGTATCTCTTCAAGACTGCGGGGACAGGATCCCTCAA	T5;R7
T_2.21	x2.21-y2.21-x1.21*-y1.20*	CCCATCGGTCTGGTGCAACGTTGGTTTAGTCAGATGTCCGGCA	T5;R7
T_2.22	x2.22-y2.22-x1.22*-y1.21*	CCCGGATCCCTGTAGTTGGTGTAAATTAGGACCGGGCTAA	T5
T_2.23	x2.23-y2.23-x1.23*-y1.22*	CAGCTTTAACTAGGAGGAATTTGTGGTTCGCGAAGGAGGCAA	T5
T_2.24	x2.24-y2.24-x1.24*-y1.23*	CTTATACCGCTGATCTGGATTGTGCTCGTATGAGCAGAGGTA	T5
T_2.25	x2.25-y2.25-x1.25*-y1.24*	CCAAACATTTCTGAATCTGTGTGGACAGTCGACACGGCTTA	T5
T_2.26	x2.26-y2.26-x1.26*-y1.25*	CCGACGACTCTGGCGCTGAATGCGCCTCTGCGAAAGGGAGGA	T5
T_2.27	x2.27-y2.27-x1.27*-y1.26*	CTATACCTCCTCATAGGATGTGGACACGCAAGAGACGACTTA	T5
T_2.28	x2.28-y2.28-x1.28*-y1.27*	CAAGTTTAGCTGCGGCGCTCTGTATGAAAGAGAGTTATGAAA	T5
T_2.29	x2.29-y2.29-x1.29*-y1.28*	CGGGTAGTTCTAGCCAGTACTGCTGGAACGAAAGGTCGAA	T5
T_2.30	x2.30-y2.30-x1.30*-y1.29*	CTGGTGCATCTATAGCCCTGTTGGTCTCTTTGTGAAACGCGCTA	T5
T_2.31	x2.31-y2.31-x1.31*-y1.30*	CATACCTTACTGTGCGAAGCTGGGCTCGCATGACCGTCTGTA	T5
T_2.32	x2.32-y2.32-x1.32*-y1.31*	CGTTTACGACTATCTTGTGTGGAAGGTTACAGACTCTCGTGA	T5
T_2.33	x2.33-y2.33-x1.33*-y1.32*	CGGTAGCCACTTGTGTACGCTGCAAAGTGTGGAACCTCACTAA	T5
T_2.34	x2.34-y2.34-x1.34*-y1.33*	CCGAACAACCTTGGGCATATTGTGCAATATGGATTAATTTCTA	T5
T_2.35	x2.35-y2.35-x1.35*-y1.34*	CTGTCTACTCTTAACGACTGTGATACCCGAGACGAAGTCA	T5
T_2.36	x2.36-y2.36-x1.36*-y1.35*	CAGATATCACTACATCGCGTTGTGCGGCCCTAGAGGAACCTGA	T5
T_2.37	x2.37-y2.37-x1.37*-y1.36*	CTTGCTCGCCTCGAGGACATGATCCGTGCGGACAACCTAATA	T5
T_2.38	x2.38-y2.38-x1.38*-y1.37*	CGGTTTAGACTGGAAACTATGTCGTGACGGGAGCGTCTCAA	T5

Seq_ID	Domains	Sequence	Used in
T_2.39	x2.39-y2.39-x1.39*-y1.38*	CATAAAGCCCTAGATAGCACTGGAACACCTGGATGGGTCGGA	T5;R7
T_2.40	x2.40-y2.40-x1.40*-y1.39*	CTGCTGTGACTAGTCTACATTTGTGGACCGATGACGTCACCCA	T5;R7
T_2.41	x2.41-y2.41-x1.41*-y1.40*	CAATCCTCTCTACGCTCTCCATGTTTATCCTTGACGCAATCTA	T5;R7
T_2.42	x2.42-y2.42-x1.42*-y1.41*	CTGTGGACGCTCTATGTGGTTGAAATCCAACAGAACCGTGATA	T5;R7
T_2.43	x2.43-y2.43-x1.43*-y1.42*	CGCAATCCACTAAATTGACTTGCCATACAGAGATCCGGATTA	T5;R7
T_2.44	x2.44-y2.44-x1.44*-y1.43*	CGTACCAGACTCAAATTCATTGTCTAGCATAGATCAGACTA	T5;R7
T_2.45	x2.45-y2.45-x1.45*-y1.44*	CCACATCGCCTAATCCATCCTGGTGTACCAGATTTCTAGTTA	T5;R7
T_2.46	x2.46-y2.46-x1.46*-y1.45*	CGTTGGACGCTACACGAATATGTCTAGCTAAGATACTAATTA	T5;R7
T_2.47	x2.47-y2.47-x1.47*-y1.46*	CGGCCGGCCCTACCAGACGATGCCGCCATCCGATTAGTACAA	T5;R7
T_2.48	x2.48-y2.48-x1.48*-y1.47*	CGTGGACGCTATTTCATGACTGGCCCTATTGGACACGGGCCA	T5;R7
T_2.49	x2.49-y2.49-x1.49*-y1.48*	CAATACCGTCTCCGATGCGATGATTACACCAGAGGCTTGCAA	T5;R7
T_2.50	x2.50-y2.50-x1.50*-y1.49*	CGGATGAGGCTTGGATGGGCTGTAGTAAATFGAACGATCTTA	T5;R7
T_2.51	x2.51-y2.51-x1.51*-y1.50*	CCACATGCGCTCGCCGGCTCTGACCTACACAGAAGTACAGCA	T5;R7
T_2.52	x2.52-y2.52-x1.52*-y1.51*	CAGTCGGGCCCTGGGCCCTCATGGGCCAGGTGGACGTTCCCGA	T5;R7
T_2.53	x2.53-y2.53-x1.53*-y1.52*	CTAAGTAGCCTATTGAGTGGTGGCAGCCAGAGAGAGGCGTAA	T5;R7
T_2.54	x2.54-y2.54-x1.54*-y1.53*	CGTGGGTTGCTAAAGGCAGGTGCTGGGTTGTGAAGTAGCACA	T5;R7
T_2.55	x2.55-y2.55-x1.55*-y1.54*	CCCGGAATTCGAGCAGTTGTGGCGAAAGCAGATTTCTCCGA	T5;R7
T_2.56	x2.56-y2.56-x1.56*-y1.55*	CCAGCAAGTCTTTCTAACAGTGTGAGAAGCAGAGGCACGTGA	T5;R7
T_2.57	x2.57-y2.57-x1.57*-y1.56*	CACGGTGGGCTTACCTGCTTTGCCGGTGTGGACTGATTTAA	T5;R7
T_2.58	x2.58-y2.58-x1.58*-y1.57*	CCGTCCCTCCTAAGTAAAGATGCGATGCGCGGAGAGAAGGTA	T5;R7
T_2.59	x2.59-y2.59-x1.59*-y1.58*	CTGAGCCTGCTGACCGTTTGTGGGCTCCTTCGAGCATATGGA	T5
T_2.60	x2.60-y2.60-x1.60*-y1.59*	CACCTTGACCTAGTGGATGACTGGCCGGTACCGGACTTTAAGTA	T5
T_2.61	x2.61-y2.61-x1.61*-y1.60*	CCTAGGATTCGAGCAACCTGCGCAGACGAATGAGCAGGATAA	T5
T_2.62	x2.62-y2.62-x1.62*-y1.61*	CGGCCACGCTGCTCAGTGTGATAACTCCCGAATTTATGAA	T5
T_2.63	x2.63-y2.63-x1.63*-y1.62*	CTGTCGAAGCTACATAAAGTTGGCTAATAGCGATCCTGGCAA	T5
T_2.64	x2.64-y2.64-x1.64*-y1.63*	CCGTCAGATCTACTAAAGTGTGATCTACTGGGAAGCGGCAA	T5
T_2.65	x2.65-y2.65-x1.65*-y1.64*	CTATCTGGCCTGCTGGGATTTGCCCTACGATGAGACGGGCTA	T5
T_2.66	x2.66-y2.66-x1.66*-y1.65*	CGAGTCTCTTACTATTACTGGTTGAGGAAAGCCGATCCTCACCA	T5
T_2.67	x2.67-y2.67-x1.67*-y1.66*	CCCTCCTCTCGAACCTCAATGTAGGTTTGGAAAGGAACGA	T5
T_2.68	x2.68-y2.68-x1.68*-y1.67*	CAGTGTCTACTTCGGTATCATGGGAAGTACGGAATTAGCTTA	T5
T_2.69	x2.69-y2.69-x1.69*-y1.68*	CTCCTGGCACTCGGGACGTATGGCCAACTGGACTATGGGCA	T5
T_2.70	x2.70-y2.70-x1.70*-y1.69*	CCGGGCAACCTATGAGCCGGTGCCTGATACTGACACTCTATA	T5
T_2.71	x2.71-y2.71-x1.71*-y1.70*	CCAAACTCACTGTGTATTTCATGGTAGTACCGGATCGAGTCAA	T5
T_2.72	x2.72-y2.72-x1.72*-y1.71*	CTTGGTGGGCTGTGATTAATGAAATTCCTGGAATACAAACA	T5
T_2.73	x2.73-y2.73-x1.73*-y1.72*	CGGAGGACCTGCGTAACACTGGCGAAGAGATGACCAACAATA	T5
T_2.74	x2.74-y2.74-x1.74*-y1.73*	CACAGCTCGTGAAGCCAGTGTGATATAGGATGACCTGTA	T5
T_2.75	x2.75-y2.75-x1.75*-y1.74*	CTAGAACGCCGTATGTAACCTGGCTTCGATTGAATACCTAAA	T5
T_2.76	x2.76-y2.76-x1.76*-y1.75*	CAAAGCCCTCTTCTATGGAGTGTACCTAGAAGAGACCATAAA	T5;R7
T_2.77	x2.77-y2.77-x1.77*-y1.76*	CGGTCGCCGCTCTTCTAGCATGGCGACCTGGGAGGACTCTTA	T5;R7
T_2.78	x2.78-y2.78-x1.78*-y1.77*	CCGTCAGCCTACGGGTGTGTGGCGGTGGATGAGCGCTACCA	T5;R7
T_2.79	x2.79-y2.79-x1.79*-y1.78*	CCAACACCCCTGGGCGTGAATGTTCCCATTTGGAAGCGGAGTA	T5;R7
T_2.80	x2.80-y2.80-x1.80*-y1.79*	CAGCCAGGCCCTCACACGCTTGTGTTGACGAGGATCCATAGA	T5;R7
T_2.81	x2.81-y2.81-x1.81*-y1.80*	CCTGTTATGCTCAGACATAATGGGTCCGCGAGACTTATAAGA	T5;R7
T_2.82	x2.82-y2.82-x1.82*-y1.81*	CGACTCGCACTGCGACTTAGTGACCGAATTCGACGGCCATTA	T5;R7
T_2.83	x2.83-y2.83-x1.83*-y1.82*	CTGTGCGCGCTAACTCCTTATGTTTAAACGGTGTAGTCTAGGTA	T5;R7
T_2.84	x2.84-y2.84-x1.84*-y1.83*	CTGGTTAAGCTAAAGCGAAGTGTTCGCTCGGAAAGTACCGA	T5;R7
T_2.85	x2.85-y2.85-x1.85*-y1.84*	CAACTCAAATCATAGCTGCTGGGCTTCTCGAGTATAGTAA	T5;R7
T_2.86	x2.86-y2.86-x1.86*-y1.85*	CGGGTTCCCTCTGAGGGCCATGCTAGCGCTAAGAGATTTCTAA	T5;R7
T_2.87	x2.87-y2.87-x1.87*-y1.86*	CGCCACTGGCTGGCCTATGCTGGTACGCGAGGAGATTACAAA	T5;R7
T_2.88	x2.88-y2.88-x1.88*-y1.87*	CCACCTGCTTACCTTACCTGTCGAACGTAGACGGTTCCTA	T5;R7
T_3.1	x3.1-y3.1-x2.2*-y2.1*	CACCTAGCGGCTGACCGAAATGCCGTGGCAGAGTGTAGTCCA	T5;R7
T_3.2	x3.2-y3.2-x2.3*-y2.2*	CGCGCATGGACTACCGCGGTGTGGTGTCTATGAGTAAATTTAAA	T5;R7
T_3.3	x3.3-y3.3-x2.4*-y2.3*	CGTATCAACCTTGTAAAGTTTGGGACCCAGATGAAACGCAA	T5;R7
T_3.4	x3.4-y3.4-x2.5*-y2.4*	CATCCGAGCACTTATAACCATGATTACCTCGATGATGTACAAA	T5;R7
T_3.5	x3.5-y3.5-x2.6*-y2.5*	CACACCGACGCTTGACGTAGTGTGTTGCGAAGTACACCAGA	T5;R7
T_3.6	x3.6-y3.6-x2.7*-y2.6*	CGACTGATGCCTCGTGCCACTGCTTTGTGCGGACAGTACACA	T5;R7
T_3.7	x3.7-y3.7-x2.8*-y2.7*	CGACGCGAACCTCGATGCATGTGATGGATGGACACAGACTCA	T5;R7
T_3.8	x3.8-y3.8-x2.9*-y2.8*	CGGGAACCAACTTAAATTTATGGGAGCGCTGATTATGTAACA	T5;R7
T_3.9	x3.9-y3.9-x2.10*-y2.9*	CACCTGCTTACTTTCCGAGTTGACGGTATGACCGGCTCTGTA	T5;R7
T_3.10	x3.10-y3.10-x2.11*-y2.10*	CGGACTCATGCTCTACTCTGATCCTCACCAGACAAATCGTCA	T5;R7
T_3.11	x3.11-y3.11-x2.12*-y2.11*	CTTGGAGGCACTACGGATGATGCGCTTGTGACTTAAAGTCA	T5;R7
T_3.12	x3.12-y3.12-x2.13*-y2.12*	CCGCAACACCTATAAAGACTGAGGAGCACGAGGCTTTCAAA	T5;R7
T_3.13	x3.13-y3.13-x2.14*-y2.13*	CGCAGGTCCACTGGTTCGGATGGTTCGCGAGGATGTGCCGTGA	T5;R7

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T_3.14	x3.14-y3.14-x2.15*-y2.14*	CCAAATCCGACTTGTGGCGTTGGTAGAGTTGACGCTATCTGA	T5;R7
T_3.15	x3.15-y3.15-x2.16*-y2.15*	CAGTCGATATCTTCGGGAAGCTGCTCTTTCGGAACACCGCTGA	T5;R7
T_3.16	x3.16-y3.16-x2.17*-y2.16*	CCTCCTGCGGCTCGAAGACTGAGGTATGAGAATAGTTTCGA	T5;R7
T_3.17	x3.17-y3.17-x2.18*-y2.17*	CAAGGAGTACCTCGTTGTATFGATGACTCTGATCTTGGAGAA	T5;R7
T_3.18	x3.18-y3.18-x2.19*-y2.18*	CGCAAATTTCTTTTCGTGCATGAGGTCGGGAACAGTGTAGA	T5;R7
T_3.19	x3.19-y3.19-x2.20*-y2.19*	CGAAGCTGCCCTGCTTATCTTGATACATTCGAGATATGGGTA	T5;R7
T_3.20	x3.20-y3.20-x2.21*-y2.20*	CAGTGGAGCTCTGAGAAATGTGACCGATGGGAGTTCTGAAGA	T5;R7
T_3.21	x3.21-y3.21-x2.22*-y2.21*	CCTGGAACGGCTGTCTGTTATGGGATCCGGGACGTTGCACCA	T5
T_3.22	x3.22-y3.22-x2.23*-y2.22*	CCCGAAGACCCCTGGGTCAGCTGTTAAAGCTGACCAACTACAA	T5
T_3.23	x3.23-y3.23-x2.24*-y2.23*	CCTAGGCTACTCATCAACTTGGCGGTAAAGAATTCCTCCTA	T5
T_3.24	x3.24-y3.24-x2.25*-y2.24*	CTATGCTGAGCTCAGATCCTTGAATGTTTGGAAATCCAGATCA	T5
T_3.25	x3.25-y3.25-x2.26*-y2.25*	CGGCGAAATGCTGGTGTATGTGAGTCGTCGGACAGAATTCAA	T5
T_3.26	x3.26-y3.26-x2.27*-y2.26*	CCCTACCTACTTTACAGGCTGGAGGTATAGATTACAGCGCCA	T5
T_3.27	x3.27-y3.27-x2.28*-y2.27*	CTGGTATGGGCTTCGGATAGTGCTAAACTTGACATCCTATGA	T5
T_3.28	x3.28-y3.28-x2.29*-y2.28*	CCTTATTCGGCTTACTGGATTGAACTACCCGAGACGGCCGCA	T5
T_3.29	x3.29-y3.29-x2.30*-y2.29*	CGTAAGGAATCTCGCGGTTCTGATGCACCAGAGTACTGGCTA	T5
T_3.30	x3.30-y3.30-x2.31*-y2.30*	CATGGGCAACTACCGCTCCTGTAAGGTATGACAGGGCTATA	T5
T_3.31	x3.31-y3.31-x2.32*-y2.31*	CAGATTCGAAGCTCCCGATGGTGTGCTAAACGAGCTTCGCACA	T5
T_3.32	x3.32-y3.32-x2.33*-y2.32*	CAGGTTAAGGCTGCACGTTCTGTGGCTACCGAACACAAGATA	T5
T_3.33	x3.33-y3.33-x2.34*-y2.33*	CACGATTCCTACTGGATACGGTGGTTGTTCCGGAGCGTACACAA	T5
T_3.34	x3.34-y3.34-x2.35*-y2.34*	CGTAAGCCAAC TAAGTATCCTGAGTAGACAGAATATGCCCAA	T5
T_3.35	x3.35-y3.35-x2.36*-y2.35*	CTTTAAAGCTCTAATCTCGATGTGATATCTGAGCTGGTTAGA	T5
T_3.36	x3.36-y3.36-x2.37*-y2.36*	CGAGAGCTTACTCTAGCATTTGGCGAGCAAGAACCAGCGATGTA	T5
T_3.37	x3.37-y3.37-x2.38*-y2.37*	CTTGGATTGTGCTTATTTGTCTAAACCAGATGTCCCTCGA	T5
T_3.38	x3.38-y3.38-x2.39*-y2.38*	CTCGTAGGCCCTTATTTATCGTGGGCTTTATGATAGTTTCCCA	T5;R7
T_3.39	x3.39-y3.39-x2.40*-y2.39*	CCGTGCTTCACTTTACTGCGTGTACAGCAGAGTCTATCTA	T5;R7
T_3.40	x3.40-y3.40-x2.41*-y2.40*	CTGTAAGAAGCTTACAGGCATGAGAGGATTGAATGTAGACTA	T5;R7
T_3.41	x3.41-y3.41-x2.42*-y2.41*	CACCGCTATCCTCCCACCGTTGCGTCCACAGATGGAGACGTA	T5;R7
T_3.42	x3.42-y3.42-x2.43*-y2.42*	CGGAGCTAATCTCAATGACTGTGGATTGCGAACACCATAGA	T5;R7
T_3.43	x3.43-y3.43-x2.44*-y2.43*	CCGACCAGGCTTTAGATACTGTCTGGTACGAAGTCAATTTA	T5;R7
T_3.44	x3.44-y3.44-x2.45*-y2.44*	CAACAAGACGCTATACGCCCTGGCGATGTGGAATGAATTTGA	T5;R7
T_3.45	x3.45-y3.45-x2.46*-y2.45*	CTTCTACATCTTAAACAACATGCGTCCAACGAGGATGGATTA	T5;R7
T_3.46	x3.46-y3.46-x2.47*-y2.46*	CTTTCGAGCACTGTGGCTCTTGGGCGCGCCGATATTCGTGTA	T5;R7
T_3.47	x3.47-y3.47-x2.48*-y2.47*	CTATGTGACTCTGGAAGCTGTGCGTCCACAGATCGTCTGGTA	T5;R7
T_3.48	x3.48-y3.48-x2.49*-y2.48*	CTCGTACTTCTCAAAGCTGTGCGGTATTTAGTCAATGAATA	T5;R7
T_3.49	x3.49-y3.49-x2.50*-y2.49*	CACGGTCTTCTTTGCGGCTGCCCTCATCCGATCCGATCGGA	T5;R7
T_3.50	x3.50-y3.50-x2.51*-y2.50*	CCTTACCGCACTGTTGGGCATGGCAATGTGGAGCCCATCCAA	T5;R7
T_3.51	x3.51-y3.51-x2.52*-y2.51*	CGTGGAGACGCTAGCCAATGTGGCCGACTGAGAGCCGGCGA	T5;R7
T_3.52	x3.52-y3.52-x2.53*-y2.52*	CGTTGATTTGGCTAGTTGCCCTGGCTACTTAGATGAGGGCCCA	T5;R7
T_3.53	x3.53-y3.53-x2.54*-y2.53*	CTTAACAGAACTTAGTTGAGTGCAACCCACGACCACTCAATA	T5;R7
T_3.54	x3.54-y3.54-x2.55*-y2.54*	CTAATGGTTCTTAGGACGGCTGAATTCGGGACCTGCCTTTA	T5;R7
T_3.55	x3.55-y3.55-x2.56*-y2.55*	CCAGATACCCTTGGCGGCTGCACTTGGGACAACTGCCTCA	T5;R7
T_3.56	x3.56-y3.56-x2.57*-y2.56*	CGGGACGGAGCTCGCGCGCTGCCACCGTGACTGTTAGAAA	T5;R7
T_3.57	x3.57-y3.57-x2.58*-y2.57*	CTAGAAGTACTAGCGAGAGTGGAGGGACGAAAGCAGGTAA	T5;R7
T_3.58	x3.58-y3.58-x2.59*-y2.58*	CGAATCTGATCTATGCTCAATGCAGGCTCAGATTCTTACTTA	T5
T_3.59	x3.59-y3.59-x2.60*-y2.59*	CGTACGCCAACTCAAATACCTGGTCAAGGTGACAAACGGTCA	T5
T_3.60	x3.60-y3.60-x2.61*-y2.60*	CGAAGCGTGCTGCAAAGCATGAAATCCTAGGAGTATCCACTA	T5
T_3.61	x3.61-y3.61-x2.62*-y2.61*	CAGGGCTGACTGGCAGAGGTGCGTGGGCGGACGTTGCTCTA	T5
T_3.62	x3.62-y3.62-x2.63*-y2.62*	CTACCTAGGACTACGTTCTTGTCTCGACAGATCACTGAGCA	T5
T_3.63	x3.63-y3.63-x2.64*-y2.63*	CCTACGACGGCTTCTTAGATGATCTGACGGAACTTTATGTA	T5
T_3.64	x3.64-y3.64-x2.65*-y2.64*	CTGGGTCATTCTTAGTGTCTGGCCAGATAGACACTTTAGTA	T5
T_3.65	x3.65-y3.65-x2.66*-y2.65*	CCTTCGTGATCTCAGTCGCCGTAAGAACTCGAAATCCCAGCA	T5
T_3.66	x3.66-y3.66-x2.67*-y2.66*	CCTCCTGTCTCTGTCTGATGAGGAGGAGGAACAGTAATA	T5
T_3.67	x3.67-y3.67-x2.68*-y2.67*	CTGGGATTTGCTCGCTAGAGTGTGACACTGATTGAGGTTCA	T5
T_3.68	x3.68-y3.68-x2.69*-y2.68*	CAAAGGGTAGCTTGTCAACGCTGTGCCAGGAGATGATACCGAA	T5
T_3.69	x3.69-y3.69-x2.70*-y2.69*	CAGAGGGTGACTCTACGCTTTGGTTGCCCGGATACGTTCCGGA	T5
T_3.70	x3.70-y3.70-x2.71*-y2.70*	CCCTGTGGTCTTACCACGCTGTGAGTTTGGACCGGCTCATA	T5
T_3.71	x3.71-y3.71-x2.72*-y2.71*	CGTACATAAACTGTTTTCAGATGCCCAACAGATGAATACACA	T5
T_3.72	x3.72-y3.72-x2.73*-y2.72*	CTGCCGACCATTGGGAGGGTGACGCTCCGATTTAATCACA	T5
T_3.73	x3.73-y3.73-x2.74*-y2.73*	CCGAGCAACGCTGGCACCCGTTGCGAGCTGTGAAGTGTACCA	T5
T_3.74	x3.74-y3.74-x2.75*-y2.74*	CAAACCAACTCCGCCCTTGGCGTCTAGACTGGCTTTCA	T5
T_3.75	x3.75-y3.75-x2.76*-y2.75*	CCGAAGGAGTCTTGACCAATGAGGGCTTTGAAGTTACATCA	T5;R7
T_3.76	x3.76-y3.76-x2.77*-y2.76*	CAGGACTCATCTAAGTGTCTTGGCGGACCGACTCCATAGAA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_3.77	x3.77-y3.77-x2.78*-y2.77*	CGATTACTTTCTGTTCTATTTGGCTAGACGGATGCTAGAAGA	T5;R7
T_3.78	x3.78-y3.78-x2.79*-y2.78*	CGATAGTATGTACATTTGCATGGGTGGTGGACACACCCGTA	T5;R7
T_3.79	x3.79-y3.79-x2.80*-y2.79*	CGCCGTTTAACTGCCTAGTATGGCCTCGCTGATTCACGCCCA	T5;R7
T_3.80	x3.80-y3.80-x2.81*-y2.80*	CGAACTTAAACTTGGGCTCTTGCATPAACAGGAAGGCGTGTGA	T5;R7
T_3.81	x3.81-y3.81-x2.82*-y2.81*	CCGTACCGGACTGTTCCAGGTGTGCGAGTCGATTATGTCTGA	T5;R7
T_3.82	x3.82-y3.82-x2.83*-y2.82*	CTCTATTGGCGTAAATCCAATGCGCGCACAGACTAAGTCGCA	T5;R7
T_3.83	x3.83-y3.83-x2.84*-y2.83*	CCCGTATTACCTGTTGCGCTTGCTTAACCAGATAAAGGAGTTA	T5;R7
T_3.84	x3.84-y3.84-x2.85*-y2.84*	CGGCTACTGTCTATCACTGCTGTTTGAGTTGAGTTGCGCTTTA	T5;R7
T_3.85	x3.85-y3.85-x2.86*-y2.85*	CGCAATAAAGCTGGCGGTTGTGAGGAACCCGAGCAGCTATGA	T5;R7
T_3.86	x3.86-y3.86-x2.87*-y2.86*	CAGAGTTGAGCTTATATTGCGCAGTGGCGATGGCCCTCAA	T5;R7
T_3.87	x3.87-y3.87-x2.88*-y2.87*	CCGCCGGATTCTCGATAGATTGGCAGGGTGGAGCATAGGCCA	T5;R7
T_3.88	x3.88-y3.88-x2.89*-y2.88*	CAGTCGCTTCCCTAAGTATTGACACTATAGAGGTAAGGTAA	T5;R7
T_4.1	T10-y4.1-x3.1*-T10	TTTTTTTTTTTTCTACTATTATGCGCGTAGGTGTTTTTTTTTT	T5;R7
T_4.2	x4.2-y4.2-x3.2*-y3.1*	CAATATTTGCTGCGAGCCGCTGTCCATGCGCGATTTCCGGTCA	T5;R7
T_4.3	x4.3-y4.3-x3.3*-y3.2*	CCTAGACGACTCACCAGATATGGTTGATAGCGACACCCGCGTA	T5;R7
T_4.4	x4.4-y4.4-x3.4*-y3.3*	CCGTAGACGCTCCGCTCAGTGTGCTCGGATGAAACTTACAA	T5;R7
T_4.5	x4.5-y4.5-x3.5*-y3.4*	CCCGAACACCTCCCATGCACTGCTCGGTCGGTGTGATGGTTATAA	T5;R7
T_4.6	x4.6-y4.6-x3.6*-y3.5*	CTCCCTGCTCTCGTTATTTATGGCATCAGTCGACTACGTCAA	T5;R7
T_4.7	x4.7-y4.7-x3.7*-y3.6*	CCGTACACTCTTCAGTTGTCTGGTTGCGCGTCGAGTGGCACGA	T5;R7
T_4.8	x4.8-y4.8-x3.8*-y3.7*	CCGCTGATGCTAACTCATACTGTTGGTTCCCGAATGCATCGA	T5;R7
T_4.9	x4.9-y4.9-x3.9*-y3.8*	CTAAGGCCACTAAACGCTGCTGTAAGCAGGTGATAAATTTAA	T5;R7
T_4.10	x4.10-y4.10-x3.10*-y3.9*	CCTCGTATCTACTACATCTTGCACTGAGTCCGAACCTCCGAAA	T5;R7
T_4.11	x4.11-y4.11-x3.11*-y3.10*	CGGGTCCCGCTTCTTCAAATTGTCCTCCAAAGAGGAGTGAGA	T5;R7
T_4.12	x4.12-y4.12-x3.12*-y3.11*	CCGAAATACCTCACGGAGACTGGTGTGTTGCGGATCATCCGTA	T5;R7
T_4.13	x4.13-y4.13-x3.13*-y3.12*	CATACGGTACTATTTAGCAGTGTGGACCTCGGAGCTTTTATA	T5;R7
T_4.14	x4.14-y4.14-x3.14*-y3.13*	CCCGGTTACCTTAGATGGTATGTCGGATTGCGATCGGAACCA	T5;R7
T_4.15	x4.15-y4.15-x3.15*-y3.14*	CGCCCATGGCTGCCGACAGATGATATCGACTGAACGCCACAA	T5;R7
T_4.16	x4.16-y4.16-x3.16*-y3.15*	CTGATAACGCTATGCAGTTTGGCCGACGAGGAGCTTCCGAA	T5;R7
T_4.17	x4.17-y4.17-x3.17*-y3.16*	CTTCGGTGCCTCACCATACATGCTACTCCCTFGAGTCCTTCGA	T5;R7
T_4.18	x4.18-y4.18-x3.18*-y3.17*	CTGTCCCGCTTCTTGAGTTGGAATTTGCGAATAACAACGA	T5;R7
T_4.19	x4.19-y4.19-x3.19*-y3.18*	CACCAACTCCTGATAGCGCTGGGCAGCTTCGATGCACGAAA	T5;R7
T_4.20	x4.20-y4.20-x3.20*-y3.19*	CGAAATGTACTGCCGCGCCTGAGCTCCACTGAAGATAAGCA	T5;R7
T_4.21	x4.21-y4.21-x3.21*-y3.20*	CGGCAGAAGCTTGGGTCAGGTGCCGTTCCAGGACATTTCTCA	T5;R7
T_4.22	x4.22-y4.22-x3.22*-y3.21*	CTTTGTCGCCCTTAAAGCAGTGGGTCTTCGGGATAACAGACA	T5
T_4.23	x4.23-y4.23-x3.23*-y3.22*	CTGATGACACTCTGCTTCTGCTGAGCTAGGACTAGGACTGACCCA	T5
T_4.24	x4.24-y4.24-x3.24*-y3.23*	CTGCGGCTTCTTGCACTGTTTCTGCTCAGCATAGAAGTTGATGA	T5
T_4.25	x4.25-y4.25-x3.25*-y3.24*	CAGTAGCGCCTTCATCACCTTGCATTTGCGCCGAAGGATCTGA	T5
T_4.26	x4.26-y4.26-x3.26*-y3.25*	CCATGTGTCTAACATCCTTTGTAGGGTAGGGACATACACCA	T5
T_4.27	x4.27-y4.27-x3.27*-y3.26*	CATATGAGACTTGTGCGGTTTGCCTACACAGAGCTGTAAA	T5
T_4.28	x4.28-y4.28-x3.28*-y3.27*	CAAATGCTTCTGTGGTTGTCTGCCGAATAAGGACTATCCGAA	T5
T_4.29	x4.29-y4.29-x3.29*-y3.28*	CTATCGGGTCTTTATGAACTGATTCCTTACGAAATCCAGTAA	T5
T_4.30	x4.30-y4.30-x3.30*-y3.29*	CCGATGGTACTGCAATAGGTTGATTTGCCCATGAGAACCAGCGA	T5
T_4.31	x4.31-y4.31-x3.31*-y3.30*	CATCCGGACCTAACGCATATGCTTGAATCTGAGGACGCGTA	T5
T_4.32	x4.32-y4.32-x3.32*-y3.31*	CCTAAATCACTCATTTGCCAATGCCTTAACCTGACCATCGGGA	T5
T_4.33	x4.33-y4.33-x3.33*-y3.32*	CAGCTTGAGCTATAGCAGTCTGTAGAATCGTGAGAACGTGCA	T5
T_4.34	x4.34-y4.34-x3.34*-y3.33*	CTTAGCTGTCTTTCATGCCCTGTTGGCTTACGACCGTATCCA	T5
T_4.35	x4.35-y4.35-x3.35*-y3.34*	CGAGCAGTTCTAAATTCCTTTGAGCTTTAAAGAGGATACTTA	T5
T_4.36	x4.36-y4.36-x3.36*-y3.35*	CTCCACTATCTATAACAACGCTGTAAGCTCTCGATCGAGATTA	T5
T_4.37	x4.37-y4.37-x3.37*-y3.36*	CGAATAGAGCTGCTCGACTCTGCAAAATCCAAGAAATGCTAGA	T5
T_4.38	x4.38-y4.38-x3.38*-y3.37*	CTTAACCAACTGTAACATCTGGGCTACGAGAATAAGGCCA	T5
T_4.39	x4.39-y4.39-x3.39*-y3.38*	CAAACATCCTTATCTCGATTGTGAAGCAGCGACGATAATAA	T5;R7
T_4.40	x4.40-y4.40-x3.40*-y3.39*	CTGGTTGCTCTGATGCGCAGTGTCTTCTTACAGACGAGTAAA	T5;R7
T_4.41	x4.41-y4.41-x3.41*-y3.40*	CTGCTCTCCCTAGTGGTGTCTGGATAGCGGTGATGCCTGTAA	T5;R7
T_4.42	x4.42-y4.42-x3.42*-y3.41*	CTACGAGACTTAACTGTGTTTGTAGCCTCCGAACGGTGGGA	T5;R7
T_4.43	x4.43-y4.43-x3.43*-y3.42*	CAGTGGTGGCTTCCCGTAGGTGACCTGGTCCGAGTCATTGAA	T5;R7
T_4.44	x4.44-y4.44-x3.44*-y3.43*	CAGTGGTGGCTTCCCGTAGGTGACCTGGTCCGAGTCATTGAA	T5;R7
T_4.45	x4.45-y4.45-x3.45*-y3.44*	CATCTTAGCCTGTCTCTCTTGGATGTAGAAGAGGGCGTATA	T5;R7
T_4.46	x4.46-y4.46-x3.46*-y3.45*	CTGGGAGTGTCTGCGAGACATGTGCTCGAAAGATGTTGTTTA	T5;R7
T_4.47	x4.47-y4.47-x3.47*-y3.46*	CAGTACGACTGGGTGGTAGTGAGTACATAGAGAGGCCACA	T5;R7
T_4.48	x4.48-y4.48-x3.48*-y3.47*	CGTACCCTGCTATTCCTACCTGTAAGCTACGAGACAGCTTCCA	T5;R7
T_4.49	x4.49-y4.49-x3.49*-y3.48*	CCTTTCCGGCTGAAGGATTTCTGAAGGACCGTGACAGCTTTGA	T5;R7
T_4.50	x4.50-y4.50-x3.50*-y3.49*	CTCGGGCACCTGTCCCTCCGTTGCGGTAAGGAGGCCGCAAA	T5;R7
T_4.51	x4.51-y4.51-x3.51*-y3.50*	CAATCTGCCTAACTAGGGTTGCGTCTCCACGATGCCCAACA	T5;R7

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T_4.52	x4.52-y4.52-x3.52*-y3.51*	CAGTCTGATCTGCGTCACTGTGCCAATCAACGACATTGGCTA	T5;R7
T_4.53	x4.53-y4.53-x3.53*-y3.52*	CACTCTAGACTCCATGGCGCTGTTCTGTTAAGAGGGCAACTA	T5;R7
T_4.54	x4.54-y4.54-x3.54*-y3.53*	CGCCCTGCGCTCCACAGTGGTGGAAACCATTAGACTCAACTAA	T5;R7
T_4.55	x4.55-y4.55-x3.55*-y3.54*	CTTGGGATGCTCCCTCGGCCATGTGGTATCTGGAGCCGTCCCTA	T5;R7
T_4.56	x4.56-y4.56-x3.56*-y3.55*	CCCCTACCGCTAACCCAGTATGCTCCGTCCCGAGACCGGCAA	T5;R7
T_4.57	x4.57-y4.57-x3.57*-y3.56*	CCATGGAGGCTGAATATTCCTGTACCTTCTAGACGCGCGCGA	T5;R7
T_4.58	x4.58-y4.58-x3.58*-y3.57*	CGCGCCACTCTACCCGGTAGTGATCAGATTGACACTCTCGCTA	T5;R7
T_4.59	x4.59-y4.59-x3.59*-y3.58*	CCACTCCTTCTCAAGAGGCATGTTTTCGCTACGATTGAGCATA	T5
T_4.60	x4.60-y4.60-x3.60*-y3.59*	CGGCCACGCTTGGTATAGGGTGGCACGCTTCGAGGTATTTGA	T5
T_4.61	x4.61-y4.61-x3.61*-y3.60*	CGTCCCTCTGTTTATATCTGTGAGCCCTGATGCTTTGCA	T5
T_4.62	x4.62-y4.62-x3.62*-y3.61*	CACTAGTTCCCTTAGTGCATGTCTTAGGTAGACCTCTGCCA	T5
T_4.63	x4.63-y4.63-x3.63*-y3.62*	CTATATCGCCCTCGCCCAAAGTGCCGTGCGTAGGAAGGAACGTA	T5
T_4.64	x4.64-y4.64-x3.64*-y3.63*	CTGATTAAGCTTAGCGGATATGAATGACCCAGATCTAGAGAA	T5
T_4.65	x4.65-y4.65-x3.65*-y3.64*	CTGTGTGGGCTGTGCCACGCTGATCAGAAAGGACAGCACTAA	T5
T_4.66	x4.66-y4.66-x3.66*-y3.65*	CTTCCCAGCCCTGTGATCTTCTGGACAGGGAGGAGGCGACTGA	T5
T_4.67	x4.67-y4.67-x3.67*-y3.66*	CGACTGGTACTTCCATAGACTGCAATGCCAGATAGCAGACA	T5
T_4.68	x4.68-y4.68-x3.68*-y3.67*	CCCTCCTCTGTCCCATCATGTGCTACCCCTTGACTCTAGCGA	T5
T_4.69	x4.69-y4.69-x3.69*-y3.68*	CTAGAGTCCCTCAAGTCGGGTGTCCACCTCTGACGTTGACAA	T5
T_4.70	x4.70-y4.70-x3.70*-y3.69*	CTATCGCGCTGAGTGTAGTATGACCAGCAGGAAAGCGTAGA	T5
T_4.71	x4.71-y4.71-x3.71*-y3.70*	CGTCTTGAGCTGGGCCACGCTGTTTATGTACGACGCTCGGTAA	T5
T_4.72	x4.72-y4.72-x3.72*-y3.71*	CTGGGACTACTTCTGACGCATGTGGTTCGGCAGATCTGAAACA	T5
T_4.73	x4.73-y4.73-x3.73*-y3.72*	CGTCAACACTGAAAGTGTGTTGGCTTCGGACCCCTCCCAA	T5
T_4.74	x4.74-y4.74-x3.74*-y3.73*	CAAGCAAGACTTCGGATGCTTGGTTGGTTTGACCGGTGCCA	T5
T_4.75	x4.75-y4.75-x3.75*-y3.74*	CAAAGTGCTCTGTAGACCCTGACTCCTTCGGAGAGGGCGGA	T5
T_4.76	x4.76-y4.76-x3.76*-y3.75*	CCACAGTGTCTGTTGTGACATGATGAGTCTGATTTGGTCAGA	T5;R7
T_4.77	x4.77-y4.77-x3.77*-y3.76*	CCGAAAGCGCTTCCGCGCTGTGAAAGTAATCGAAGACACTTA	T5;R7
T_4.78	x4.78-y4.78-x3.78*-y3.77*	CTACGCTCTTCTATAAATCGTGCATACTATCGAAATAGAACA	T5;R7
T_4.79	x4.79-y4.79-x3.79*-y3.78*	CTCACGCGCTACGTATCCCTGTTAAACGGCGATGCAATGTA	T5;R7
T_4.80	x4.80-y4.80-x3.80*-y3.79*	CGACCCAACTTCTTCGACTTGGTTAAGTTCGATACTAGGCA	T5;R7
T_4.81	x4.81-y4.81-x3.81*-y3.80*	CTGCTGACGCTAAGGAATTATGTCCGTGACGGAAGAGCCCAA	T5;R7
T_4.82	x4.82-y4.82-x3.82*-y3.81*	CTAGCTCAACTGATAGATGCTGCGCAATAGAGACCTGGAACA	T5;R7
T_4.83	x4.83-y4.83-x3.83*-y3.82*	CGTGTGGAGCTGGGAAGAGATGGTAAACGGGATTTGGATTTA	T5;R7
T_4.84	x4.84-y4.84-x3.84*-y3.83*	CAATCGATTCTGGGCGGTCTGACAGTAGCCGAGGCGGAACA	T5;R7
T_4.85	x4.85-y4.85-x3.85*-y3.84*	CATGAGTTCCTGCACATCGGTGCTTTATTTGCGAGCAGTGATA	T5;R7
T_4.86	x4.86-y4.86-x3.86*-y3.85*	CGCGACTCCCTTGCACATTCGTAATTCGTAACCGGACTGACAA	T5;R7
T_4.87	x4.87-y4.87-x3.87*-y3.86*	CCCAATATCTTGGATATCGTGAATCCGGCGGAATATAAGTA	T5;R7
T_4.88	x4.88-y4.88-x3.88*-y3.87*	CGGGCTTCCCTATGTTACCGTGGAAAGCGACTGAATCTATCGA	T5;R7
T_5.1	x5.1-y5.1-x4.2*-y4.1*	CTGTGCGACTCTAACGCTCATGCAAAATATTGATAAATAGTAGA	T5;R7
T_5.2	x5.2-y5.2-x4.3*-y4.2*	CGGCTGGGCACTACTTCAACTGTCTGCTTAGGAGCGGCTCGCA	T5;R7
T_5.3	x5.3-y5.3-x4.4*-y4.3*	CAGTCAACAACCTAACCTAGCTGCGTCTACGGATATCTGGTGA	T5;R7
T_5.4	x5.4-y5.4-x4.5*-y4.4*	CCAGCCATGACTCCTAATATTGGTGTTCGGGACTGAGACGGA	T5;R7
T_5.5	x5.5-y5.5-x4.6*-y4.5*	CATCGCTTCTCCTCACTCGTTGAGCAGGAGACTGCATGGGA	T5;R7
T_5.6	x5.6-y5.6-x4.7*-y4.6*	CTCTTTATGGCTGAGAATGGTGTGAGTACGGATAAATAACGA	T5;R7
T_5.7	x5.7-y5.7-x4.8*-y4.7*	CCTGCAAGTTCCTAAGGCAAGTGCATCAGCGGAGACAACGAA	T5;R7
T_5.8	x5.8-y5.8-x4.9*-y4.8*	CGCTAATCGCCTTTAGCGGGTGTGGCCTTAGAGTATGAGTTA	T5;R7
T_5.9	x5.9-y5.9-x4.10*-y4.9*	CTGGGCGGGTCTGACCCAGCTGAATACGAGGAGCAGCGTTTA	T5;R7
T_5.10	x5.10-y5.10-x4.11*-y4.10*	CTCTCGAGTGCTAACTTTAATGGCGGACCCGAAGATGTAGTA	T5;R7
T_5.11	x5.11-y5.11-x4.12*-y4.11*	CAGAAAATTTACTGCCCTTAATGGTATTTTCGGAATTGAAAGAA	T5;R7
T_5.12	x5.12-y5.12-x4.13*-y4.12*	CTACAATGCGCTTCTTCGCCCTGTACCGTATGAGTCTCCGTGA	T5;R7
T_5.13	x5.13-y5.13-x4.14*-y4.13*	CCACACCCCTCCTCCGTGCCATGGTACCCGGGACTGCTAAATA	T5;R7
T_5.14	x5.14-y5.14-x4.15*-y4.14*	CAGGTTGTTTCTTGTCTACATGCCATGGGCGATACCATCTAA	T5;R7
T_5.15	x5.15-y5.15-x4.16*-y4.15*	CGGAAAGAACCTCGCCAACCTGCGTTATCAGATCTGTCCGCA	T5;R7
T_5.16	x5.16-y5.16-x4.17*-y4.16*	CTGTCGTTGGCTGAAAGTGTGGCACCGAAGAACTGCATA	T5;R7
T_5.17	x5.17-y5.17-x4.18*-y4.17*	CCACCCATTACTTTACGCAATTCGCGGACAGATGTATGGTGA	T5;R7
T_5.18	x5.18-y5.18-x4.19*-y4.18*	CGCGCTCGCACTTTAAGGTCTGGAGTGGTGAACCTCAAGAAA	T5;R7
T_5.19	x5.19-y5.19-x4.20*-y4.19*	CGATTGTCCACTGTCTCAGCTGTACATTTTCGACGCGCTATCA	T5;R7
T_5.20	x5.20-y5.20-x4.21*-y4.20*	CGCGTCTGTTGCTTCGCGGTGTGCTTCTGCGGAGGCGCCGCA	T5;R7
T_5.21	x5.21-y5.21-x4.22*-y4.21*	CAACGAAATCCTCGCGCGTGTGGCGACAAAGACCTGACCCAA	T5
T_5.22	x5.22-y5.22-x4.23*-y4.22*	CTACGAAATGTCTGACCTTGTGTGATCCAGACTGCTTAAGA	T5
T_5.23	x5.23-y5.23-x4.24*-y4.23*	CGTGGTAATGCTGATCCACCTGAGCGGACAGACTAGGACAGA	T5
T_5.24	x5.24-y5.24-x4.25*-y4.24*	CTCCGGGACACTCTGTTCAATGGCGCTACTGAAACGATGCAA	T5
T_5.25	x5.25-y5.25-x4.26*-y4.25*	CTAACGGAATCTTCTGAGTATGGACACATGGAAGGTGATGAA	T5
T_5.26	x5.26-y5.26-x4.27*-y4.26*	CAGAAGACGACTAAGATCCATGTCTCATATGAAAGGATGTTA	T5

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T_5.27	x5.27-y5.27-x4.28*-y4.27*	CGGCCCTGTTCTTACCCCTCATGAAGCATTGAAACGGCACAA	T5
T_5.28	x5.28-y5.28-x4.29*-y4.28*	CATCGGAGGCCTTCTTACGGTGACCCGATAGAGACAACCACA	T5
T_5.29	x5.29-y5.29-x4.30*-y4.29*	CAAAGCCAAGCTCTTACAGTTGTACCATCGGAGTTTCATAAA	T5
T_5.30	x5.30-y5.30-x4.31*-y4.30*	CAATTCGTCTAAATFGCCFTGGTCCGGATGAACCTATTGCA	T5
T_5.31	x5.31-y5.31-x4.32*-y4.31*	CCTAAACCCACTGTAGTCATTGTGATTTAGGATATGTCGTTA	T5
T_5.32	x5.32-y5.32-x4.33*-y4.32*	CTACCTCCTGCTAAACACGGTGCTCAAGCTGATTGGCAATGA	T5
T_5.33	x5.33-y5.33-x4.34*-y4.33*	CGGAAGGAGACTAACAACTATGACAGCTAAGAGACTGCTATA	T5
T_5.34	x5.34-y5.34-x4.35*-y4.34*	CCCTTTGGGCCTGATCCCTCTGAACTGCTCGAGGGCATGAAA	T5
T_5.35	x5.35-y5.35-x4.36*-y4.35*	CTGCTCGAATCTCCAAGGAGTGTATAGTGGAGAAAGGAATTTA	T5
T_5.36	x5.36-y5.36-x4.37*-y4.36*	CGTCCAGTAACCTTCGTCGCGTGTCTATTGACAGTGTGTATA	T5
T_5.37	x5.37-y5.37-x4.38*-y4.37*	CGCAAACAAGCTTTGAACGGTGTGTGTTAAGAGAGTCGAGCA	T5
T_5.38	x5.38-y5.38-x4.39*-y4.38*	CTAGCCGACCCCTTGACTGAGTGGATAGTTTGAGATGTTTACA	T5;R7
T_5.39	x5.39-y5.39-x4.40*-y4.39*	CTCGATACACCTATTTGCGTGTGAGCAACCAGAATCGAGATAA	T5;R7
T_5.40	x5.40-y5.40-x4.41*-y4.40*	CCATGGTAAGCTAGCCTATGTGGGAGAGCAGACTGCGCATCA	T5;R7
T_5.41	x5.41-y5.41-x4.42*-y4.41*	CTGGGTATACTTACGTTACTGATCTCGTAGAGACACCACTA	T5;R7
T_5.42	x5.42-y5.42-x4.43*-y4.42*	CAATAAGATTTCCACATGATTGCCACCAGTGAACACACAGTTA	T5;R7
T_5.43	x5.43-y5.43-x4.44*-y4.43*	CCCTACGACGCTAATCCCGATGTCGCAAGTGACCTACGGGAA	T5;R7
T_5.44	x5.44-y5.44-x4.45*-y4.44*	CGGCACCTATCTGCGGGCTTTGGCTAAGATGAAGTCTGACCA	T5;R7
T_5.45	x5.45-y5.45-x4.46*-y4.45*	CACCTTAGGGCTTCCGCTAATGCCTCCAGAGAGAGAGACA	T5;R7
T_5.46	x5.46-y5.46-x4.47*-y4.46*	CAAAGCAGAATCTCACGCCGTGTCGTAAGTGATGTCGCGACA	T5;R7
T_5.47	x5.47-y5.47-x4.48*-y4.47*	CGATACCGACTTTGCTCTGTCGAGGGTACGACTACCACCCA	T5;R7
T_5.48	x5.48-y5.48-x4.49*-y4.48*	CCGAGACTCTCTCACCTTGTGTCGGGAAAGGACGTAGGAATA	T5;R7
T_5.49	x5.49-y5.49-x4.50*-y4.49*	CTGGTCTTCTCTGCTCAATTAATGCTGCCGAGAGAAATCCTCA	T5;R7
T_5.50	x5.50-y5.50-x4.51*-y4.50*	CCTCGCGTTGCTAACATTAATGGCAGGATTGACGGAGGGACA	T5;R7
T_5.51	x5.51-y5.51-x4.52*-y4.51*	CTGGCATAATCTTATCCGCTGATCAGACTGAACCTAGTTA	T5;R7
T_5.52	x5.52-y5.52-x4.53*-y4.52*	CATCACTTCCCTCACCTCAATGTCGTAGAGTGACAGTGACGCA	T5;R7
T_5.53	x5.53-y5.53-x4.54*-y4.53*	CCTACCGTGGCTTTCGTTGGTGGCGCAGGGCGAGCGCCATGGA	T5;R7
T_5.54	x5.54-y5.54-x4.55*-y4.54*	CGAATTTCCACTTCCGCGAGTGCATCCCAAGACCACTGGTGA	T5;R7
T_5.55	x5.55-y5.55-x4.56*-y4.55*	CGGACGACGCTCAAGAGCATGCGGTACGGGATGGCCGAGGA	T5;R7
T_5.56	x5.56-y5.56-x4.57*-y4.56*	CCAATGTCAACTTGACGGGCTGCCCTCCATGGATACGTGGTTA	T5;R7
T_5.57	x5.57-y5.57-x4.58*-y4.57*	CGAATGAGTACTGATTGCTATGAGTGGCGGAGGAATATTCA	T5;R7
T_5.58	x5.58-y5.58-x4.59*-y4.58*	CGTGTGAGACCTAAGCGTCTGTAAGGAGTGGACTACCGGGTA	T5
T_5.59	x5.59-y5.59-x4.60*-y4.59*	CTGATACGACCTGCTTGTCTTGTACTGGGCCGATGCCCTTGA	T5
T_5.60	x5.60-y5.60-x4.61*-y4.60*	CATTTGGATACTCCCTTCAGTGAAGGGACCAGCCCTATACCA	T5
T_5.61	x5.61-y5.61-x4.62*-y4.61*	CCCTTACTACTCGGTTACGTTGGAACCTAGTGAGATATAAACA	T5
T_5.62	x5.62-y5.62-x4.63*-y4.62*	CACGTTTFCGCTACTCGGATTGGCGATATAGATGCGACTAGA	T5
T_5.63	x5.63-y5.63-x4.64*-y4.63*	CAGTTCGCTCTTATCATTATGCTTAATCAGACTTTGGGCGA	T5
T_5.64	x5.64-y5.64-x4.65*-y4.64*	CCATGCATGACTGCTAGGCTGCCCACACAGATATCCGCTAA	T5
T_5.65	x5.65-y5.65-x4.66*-y4.65*	CGGCGTTGTTCTAGTACATATGGGCGGGAAAGAGCGTGGACAA	T5
T_5.66	x5.66-y5.66-x4.67*-y4.66*	CCGGTGGACCCCTACTATTTGTGTACCAGTTCGAGAAGATCACA	T5
T_5.67	x5.67-y5.67-x4.68*-y4.67*	CGTTTGGCTGCTTAATGTTTGGAGAGGAGGGAGTCTATGGAA	T5
T_5.68	x5.68-y5.68-x4.69*-y4.68*	CAATGACTACTAATGAGCCTGGGACTCTAGAATGATGGACA	T5
T_5.69	x5.69-y5.69-x4.70*-y4.69*	CATGGATATACTGACCGACCTGCCGCGATAGACCCGACTTGA	T5
T_5.70	x5.70-y5.70-x4.71*-y4.70*	CGCCCTCCTTCTTGTCAATTTGCTCAAGACGATACTCACTCA	T5
T_5.71	x5.71-y5.71-x4.72*-y4.71*	CGTTTCATGACCTACCCTGCGTGTAGTCCCAGACGTGGGCCCA	T5
T_5.72	x5.72-y5.72-x4.73*-y4.72*	CCTCCGGACTCTCGATACTGTGATGTTGACGATGCGTCAGAA	T5
T_5.73	x5.73-y5.73-x4.74*-y4.73*	CGACTCGACACTCCGCATAATGCTTGGCTTGAACAACCTTTCA	T5
T_5.74	x5.74-y5.74-x4.75*-y4.74*	CGCCGTCGAAGCTGTGTGACGTGAGCCTTTGAAGCATCCGAA	T5
T_5.75	x5.75-y5.75-x4.76*-y4.75*	CCGAGGGCTCCTAAAGTCAATGACACTGTGGAGGGTCTACAA	T5;R7
T_5.76	x5.76-y5.76-x4.77*-y4.76*	CGAGGGCTGACTACTGAATTTGCGCTTTCGGATGTCACAACA	T5;R7
T_5.77	x5.77-y5.77-x4.78*-y4.77*	CCCATCAACACTCAGAGCGTTGAAGACGTAGACAGCGCGGAA	T5;R7
T_5.78	x5.78-y5.78-x4.79*-y4.78*	CACGAAAGATCTAAAGTACGTGGCGCGTGAGACGATTTATAA	T5;R7
T_5.79	x5.79-y5.79-x4.80*-y4.79*	CATGTGCAAGCTGTCTCTATGGTTGGGTCGAGGGATACGTA	T5;R7
T_5.80	x5.80-y5.80-x4.81*-y4.80*	CCTATGCTTACTAGGACGCTGCGTFCAGCAGAAGTCAAGAA	T5;R7
T_5.81	x5.81-y5.81-x4.82*-y4.81*	CAACCAGAACCTTGCCCGTTTGTGTGAGCTAGATAATTCCTTA	T5;R7
T_5.82	x5.82-y5.82-x4.83*-y4.82*	CAGACGAAAGCTTAGTTCAGTGTCCACACGAGCATCTATCA	T5;R7
T_5.83	x5.83-y5.83-x4.84*-y4.83*	CATTACAGCACTGGCAGTAGTGAATCGATTGATCTCTTCCCA	T5;R7
T_5.84	x5.84-y5.84-x4.85*-y4.84*	CCTGCCGTGACTACTTGGCCGTGAAACTCATGAGGACCGCCCA	T5;R7
T_5.85	x5.85-y5.85-x4.86*-y4.85*	CAATACAGCGCTATGTAAACTGGGCATCCGACCGATGTGCA	T5;R7
T_5.86	x5.86-y5.86-x4.87*-y4.86*	CGCCTATGCTTAGCAGCGCTTGAATATTTGGGAATGTCGAGTA	T5;R7
T_5.87	x5.87-y5.87-x4.88*-y4.87*	CGCCTACGACCTCCGAACTTTGGGAAAGCCGACGATATCCAA	T5;R7
T_5.88	x5.88-y5.88-x4.89*-y4.88*	CCGGAAGCTTCTAGAGTCAAGTGTTCGCCCGGACGGTAACATA	T5;R7
T_6.1	T10-y6.1-x5.1*-T10	TTTTTTTTTTTTGATGATGCTGAGTGCACAGTTTTTTTTTTT	T5;R7

Seq_ID	Domains	Sequence	Used in
T_6.2	x6.2-y6.2-x5.2*-y5.1*	CAGAGTTGCCCTAAGACCCCTCTGTGCCAGCCGATGAGCGTTA	T5;R7
T_6.3	x6.3-y6.3-x5.3*-y5.2*	CCATAGTCACTCGGAATTCGTGTTTGTAGCTGAGTTGAAGTA	T5;R7
T_6.4	x6.4-y6.4-x5.4*-y5.3*	CGGTTTATTCGTAGATACGTGTCATGGCTGGAGCTACGTTA	T5;R7
T_6.5	x6.5-y6.5-x5.5*-y5.4*	CGGGCATTCCTTGTGTCAGCCCTTGGAAAGCCGATGAATATTAGGA	T5;R7
T_6.6	x6.6-y6.6-x5.6*-y5.5*	CGGGCGGAGCTTTCGTCTTAATGCCATAAAGAGAACCAGTGGGA	T5;R7
T_6.7	x6.7-y6.7-x5.7*-y5.6*	CATCACACTCTCCAAATGTTTGAACCTGCAGGACCATTCTCA	T5;R7
T_6.8	x6.8-y6.8-x5.8*-y5.7*	CTAATAATGCTACGCCCTTATGGCGATTAGCGACTTGCCTTA	T5;R7
T_6.9	x6.9-y6.9-x5.9*-y5.8*	CGCAAATAACTTTAGTCGTTTGCACCCGCCAGACCCCGCTAAA	T5;R7
T_6.10	x6.10-y6.10-x5.10*-y5.9*	CGGGCTCTCTATCTTACCTTGCACCTCGAGAGAGCTGGGTCA	T5;R7
T_6.11	x6.11-y6.11-x5.11*-y5.10*	CGTACACTTCTGATTCATATTTGAAATTTCTGATTAAAGTTA	T5;R7
T_6.12	x6.12-y6.12-x5.12*-y5.11*	CCGTTCTCCCTCACAAACATTGCGCATTGTAGATTAAGGGCA	T5;R7
T_6.13	x6.13-y6.13-x5.13*-y5.12*	CTTAAGATGCTGTACAATCATGGAGGGTGTGGAGGCGAAGAA	T5;R7
T_6.14	x6.14-y6.14-x5.14*-y5.13*	CGTCACAATCTGCCGACGCGTGAAACAACCTGATGGCACGGA	T5;R7
T_6.15	x6.15-y6.15-x5.15*-y5.14*	CCAGCCGACTGCATACTCGTGGTTCTTTCCGATGTAGACAA	T5;R7
T_6.16	x6.16-y6.16-x5.16*-y5.15*	CTGTGTTAGCTACACTTGGGTGCCAACGACAGAGGTTGGCGA	T5;R7
T_6.17	x6.17-y6.17-x5.17*-y5.16*	CATACGGCGCTGGAATTCACCTGTAATGGTGGAACACTTTCA	T5;R7
T_6.18	x6.18-y6.18-x5.18*-y5.17*	CACGGCAATCTATTAACAGTTGTGCGAGCCGGAATGCGTAAA	T5;R7
T_6.19	x6.19-y6.19-x5.19*-y5.18*	CCTGTATGCCATATACTTGCTTGGTGACAATCGAGACCTTAAA	T5;R7
T_6.20	x6.20-y6.20-x5.20*-y5.19*	CCCTCTGCACCTTGGGTGTATGCAACGACGCGAGCTGAGACA	T5;R7
T_6.21	x6.21-y6.21-x5.21*-y5.20*	CACGCTCAGCTAGAGGCCCATGGAATTTCTGTGACACGGCGAA	T5;R7
T_6.22	x6.22-y6.22-x5.22*-y5.21*	CTGCGGCCACTTGCTCAATATGACATTCGTAGACACGCGCGA	T5
T_6.23	x6.23-y6.23-x5.23*-y5.22*	CCGGGAAGGCTCCCTCCCCTGCAATFACCACGAGCAAGGTCA	T5
T_6.24	x6.24-y6.24-x5.24*-y5.23*	CAGCGTAAACTTTTGACCTTATGTGCTCCCGAGAGGTGGATCA	T5
T_6.25	x6.25-y6.25-x5.25*-y5.24*	CAGGATCTCCTGACCGTGTATGATTCCTGTAGATTGAACAGA	T5
T_6.26	x6.26-y6.26-x5.26*-y5.25*	CCATTAAGCCTACTAGACCATGTCGTTCTTCTGATACTCAGAA	T5
T_6.27	x6.27-y6.27-x5.27*-y5.26*	CGGCGGGAACCTTATTCGCTATGAACAAGGCCGATGGATCTTA	T5
T_6.28	x6.28-y6.28-x5.28*-y5.27*	CCGCGTAATCTTAATAGTCATGGCCCTCCGATGATGAGGGTAA	T5
T_6.29	x6.29-y6.29-x5.29*-y5.28*	CGCAAACGACTGGAACGCGGTGCTTGGCTTTGACCGTAAGAA	T5
T_6.30	x6.30-y6.30-x5.30*-y5.29*	CTCGAAATCTAGCAAGCCCTGAGCAGAAATGAACTGTAAGA	T5
T_6.31	x6.31-y6.31-x5.31*-y5.30*	CACTGGCGTCTCAGATGACGCTGTGGTTTTAGGAAGGCAATTA	T5
T_6.32	x6.32-y6.32-x5.32*-y5.31*	CGTGATTACCTCGCATTTTCATGTCAGGAGGTAGAATGACTACA	T5
T_6.33	x6.33-y6.33-x5.33*-y5.32*	CACTAGTGTCTAGAAGACTATGCTCTCCTTCCGACCGTGTTTA	T5
T_6.34	x6.34-y6.34-x5.34*-y5.33*	CCTTTTGTCTCGTTTGGGTTGGCCCAAAGGGATAGTTGTTA	T5
T_6.35	x6.35-y6.35-x5.35*-y5.34*	CGAACGACACTCTCACCGCTGATTCGAGCAGAGAGGGATCA	T5
T_6.36	x6.36-y6.36-x5.36*-y5.35*	CCTTATAAACTAAGCAAAGGTTGCTTACTGAGCAGACTCCTTGGGA	T5
T_6.37	x6.37-y6.37-x5.37*-y5.36*	CCACCATTTCTGCGAGTTCTGCTTGTGTTTGGAGCGGACGAA	T5
T_6.38	x6.38-y6.38-x5.38*-y5.37*	CAAATTACGCTGTCTACAGGTGGGTGGCTAGACCGTTCAAAA	T5
T_6.39	x6.39-y6.39-x5.39*-y5.38*	CCGGCTTGGCTCAAGGGAGATGGTGTATCGAGACTCAGTCAA	T5;R7
T_6.40	x6.40-y6.40-x5.40*-y5.39*	CCAGGGTCACTCAGGCGTGTCTTACCATTGGACACGAAATA	T5;R7
T_6.41	x6.41-y6.41-x5.41*-y5.40*	CTCGTCAGACTATGACGAATGTATAGCCAGACATAGGCTA	T5;R7
T_6.42	x6.42-y6.42-x5.42*-y5.41*	CGCCACGCGCTGAAGTTTATTTGAATCTTATTGAGTAACGTAA	T5;R7
T_6.43	x6.43-y6.43-x5.43*-y5.42*	CCAGCTGCACTCTCGCTAATGCACTGTAGGGAAATCATGTGA	T5;R7
T_6.44	x6.44-y6.44-x5.44*-y5.43*	CGCGCGCCTCTAGCCTTACGTGATGAGTGCCGATCGGGATTA	T5;R7
T_6.45	x6.45-y6.45-x5.45*-y5.44*	CCGACCTCTCTAAATTATAATGCCCTAAGGTGAAAGCCCGCA	T5;R7
T_6.46	x6.46-y6.46-x5.46*-y5.45*	CTAAAGTCCCACAATCCTATGTTCTGCTTTGATTAGCGGAA	T5;R7
T_6.47	x6.47-y6.47-x5.47*-y5.46*	CCCGCCTTACTTAGGTATACTGATCGGTATCGAGGCGTGAGA	T5;R7
T_6.48	x6.48-y6.48-x5.48*-y5.47*	CGTTACGCCCCTAACCGGTAATGAGAGTCTCGGACGAGACAAA	T5;R7
T_6.49	x6.49-y6.49-x5.49*-y5.48*	CATGCGTCTGCTCGCTCAATTTGGAAGAACCAGAACAAGGTGA	T5;R7
T_6.50	x6.50-y6.50-x5.50*-y5.49*	CGACGGTTACTCCCGAGGGTTGCAACGCGAGGATAATGGACA	T5;R7
T_6.51	x6.51-y6.51-x5.51*-y5.50*	CAAGTATCCCTAGAGCTACTTGTATTATGCCAGATTAATGTTA	T5;R7
T_6.52	x6.52-y6.52-x5.52*-y5.51*	CCGAATTACCTATAGGAGTCTGGGAAGTGTAGAGCGGATAAA	T5;R7
T_6.53	x6.53-y6.53-x5.53*-y5.52*	CATGGTTTCTCTTTTGTGATGCCACGGTAGGATTTGGAGTGA	T5;R7
T_6.54	x6.54-y6.54-x5.54*-y5.53*	CTAGGCGTCTGTTTGGCTCGTGTGGAAATTCGACCAACGAAA	T5;R7
T_6.55	x6.55-y6.55-x5.55*-y5.54*	CGTAGTCCGCTTGCACGGTATGCGTGGCTCCGACTCCCGGAA	T5;R7
T_6.56	x6.56-y6.56-x5.56*-y5.55*	CTCTCGAAGCTCAGAAGTGGTGTGACATTTGGATGCTCTTGA	T5;R7
T_6.57	x6.57-y6.57-x5.57*-y5.56*	CCGATTCCTCTACTAGTGTCTGTACTCATTCGAGCCCGTCAA	T5;R7
T_6.58	x6.58-y6.58-x5.58*-y5.57*	CCATCATATCTGCTGTCCAATGGTCTCACACGATAGCAATCA	T5;R7
T_6.59	x6.59-y6.59-x5.59*-y5.58*	CAGTCTATTCTTAAGAGATCTGGTCTGATCAGACGACGCTTA	T5
T_6.60	x6.60-y6.60-x5.60*-y5.59*	CACCTCATCTCATCAGTGTGTATCCAAATGAAAGCAAGCA	T5
T_6.61	x6.61-y6.61-x5.61*-y5.60*	CCACGAAATCTGCACGATAGTGTAGATAAGGGACTGAAGGGA	T5
T_6.62	x6.62-y6.62-x5.62*-y5.61*	CGAGTTTATCTCCAGTAATCTGCGCAAACCTGACGTAACCGA	T5
T_6.63	x6.63-y6.63-x5.63*-y5.62*	CGCCAAGTACTCGGGTATCTTGAGCGGAACCTGAATCCGAGTA	T5
T_6.64	x6.64-y6.64-x5.64*-y5.63*	CCCGTGACCTTTGCCATGATGTCATGCATGGATAATGATAA	T5

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T_6.65	x6.65-y6.65-x5.65*-y5.64*	CGCCGTGCTCTCGAGGTAAATGAACAACCGCCGAGACCTAGCA	T5
T_6.66	x6.66-y6.66-x5.66*-y5.65*	CGAACTATGCTATAAGCATGTGGGTCCACCCGGATATGTACTA	T5
T_6.67	x6.67-y6.67-x5.67*-y5.66*	CAAACAGTACTTGCATATATTTGCAGCCAAACGACAAATAGTA	T5
T_6.68	x6.68-y6.68-x5.68*-y5.67*	CCGCGTTTACTCATAATAAATGTGATGCCATFGAAACAATTAA	T5
T_6.69	x6.69-y6.69-x5.69*-y5.68*	CGCTTCTACCTATGCGATCTTGTATATCCATGAGGCTCATTA	T5
T_6.70	x6.70-y6.70-x5.70*-y5.69*	CTTCAGTACCTAGGTACCCTTGAAGGAGGGCGAGGTCGGTCA	T5
T_6.71	x6.71-y6.71-x5.71*-y5.70*	CTTAACCTGACTCAATGCTCTGTTGGTATGAACGAAATGACAA	T5
T_6.72	x6.72-y6.72-x5.72*-y5.71*	CACTGGTCTCTAAGCTCATTTGAGTCCGGAGGACGACGGGTA	T5
T_6.73	x6.73-y6.73-x5.73*-y5.72*	CGCGACCCGGCTATACATCATTTGTGTGTCGAGTCGCAGTATCGA	T5
T_6.74	x6.74-y6.74-x5.74*-y5.73*	CATCGTGTACTTTCCACAGGTGCTCGCGCGCATTTATGCGGA	T5
T_6.75	x6.75-y6.75-x5.75*-y5.74*	CTTAAAGCGCTAGGTTTCGGATGGAGCCCTCGGACGTCACACA	T5
T_6.76	x6.76-y6.76-x5.76*-y5.75*	CGGTACGGTCTGATCGCCCGTGTGAGCCCTCGATTGACTTTA	T5;R7
T_6.77	x6.77-y6.77-x5.77*-y5.76*	CAGAGATATCTTGTAAAGTTTGTGTGTGATGGGAAATTCAGTA	T5;R7
T_6.78	x6.78-y6.78-x5.78*-y5.77*	CCCAAACCTACTGCGACAGCTTGATCTTTTCGTGAACGCTCTGA	T5;R7
T_6.79	x6.79-y6.79-x5.79*-y5.78*	CAAACCTCTGCTGTAGTTAAATGCTTGCACATGACGTACTTTA	T5;R7
T_6.80	x6.80-y6.80-x5.80*-y5.79*	CGCGCGCTACTTCTATAGATTGTAAGCATAGGATAGAGAACA	T5;R7
T_6.81	x6.81-y6.81-x5.81*-y5.80*	CTAGAAGAGCTAGTCTAATCTGTTGTCGGTTGAGGCGTCCTA	T5;R7
T_6.82	x6.82-y6.82-x5.82*-y5.81*	CAACATCGTCTGCACCTCCATGCTTTCGTCTGAAACGGGCAA	T5;R7
T_6.83	x6.83-y6.83-x5.83*-y5.82*	CGCCCTCTACTTGCACCGTCTGTGCTGTAATGACTGAACATA	T5;R7
T_6.84	x6.84-y6.84-x5.84*-y5.83*	CGCCATGGTCTTCCGAATACCTGTCTACGGCAGGACTACTGCCA	T5;R7
T_6.85	x6.85-y6.85-x5.85*-y5.84*	CCGACCCGCTTCCCTCGGGTGGCGTGTATTGACGGCAAGTA	T5;R7
T_6.86	x6.86-y6.86-x5.86*-y5.85*	CGATTTAAACTGAACCCGACTGATATAGTCCGAGTTTACATA	T5;R7
T_6.87	x6.87-y6.87-x5.87*-y5.86*	CATTTCCCTCGAAATAGTATGTCGTCGATGGCGAAGCGCGTCA	T5;R7
T_6.88	x6.88-y6.88-x5.88*-y5.87*	CCCAGATGCTTCCATTTCTGAAAGCTTCCGGAAAGTTCGGA	T5;R7
T_7.1	x7.1-y7.1-x6.2*-y6.1*	CGCTACGTCGCTATGGTCCGTGGCAACTCTGAGACATCATCA	T5;R7
T_7.2	x7.2-y7.2-x6.3*-y6.2*	CTGGCACTGGCTAACCAAATTTGTGACTATGGAGAGGGTCTTA	T5;R7
T_7.3	x7.3-y7.3-x6.4*-y6.3*	CAATCTTGATCTCACCTCGTGAATAAACCCGACGAATTCGGA	T5;R7
T_7.4	x7.4-y7.4-x6.5*-y6.4*	CACCGCTGCAGTAGAACAAGTGAATGCCCGACGATATCTACA	T5;R7
T_7.5	x7.5-y7.5-x6.6*-y6.5*	CCCTTGTGCTTATTCAAGTTGCTCCGCGAAGGCTGACAA	T5;R7
T_7.6	x7.6-y7.6-x6.7*-y6.6*	CGGTCTCAGACTTCACTACCTGAGTGTGATGATTAAGACGAA	T5;R7
T_7.7	x7.7-y7.7-x6.8*-y6.7*	CATCTGGTGTCTCAAAGATTGCATTTATAGAAACATTTGGA	T5;R7
T_7.8	x7.8-y7.8-x6.9*-y6.8*	CCAGCCGCTGCTTGCCTGATTTGTTATTTGCGATAAAGGGGTA	T5;R7
T_7.9	x7.9-y7.9-x6.10*-y6.9*	CGCTGGCGATCTAAGAAGGGTGAGAGGCCCGAAACGACTAAA	T5;R7
T_7.10	x7.10-y7.10-x6.11*-y6.10*	CCCAGCGAGGCTGATGCGATTTGGAATGTACGAAGGTAAGATA	T5;R7
T_7.11	x7.11-y7.11-x6.12*-y6.11*	CCTAGATACACTATGATCGTTGGAGAGCAAGGAATATGAATCA	T5;R7
T_7.12	x7.12-y7.12-x6.13*-y6.12*	CTTTAGGGACCTGTCTATGCACTTAAAGAATGGTTGTGA	T5;R7
T_7.13	x7.13-y7.13-x6.14*-y6.13*	CGCCGGGCTGTGGAAGTGGTGTGACGATGATTTGTACA	T5;R7
T_7.14	x7.14-y7.14-x6.15*-y6.14*	CGAAGTGGTCTCATTCGGCTGTCCGGCTGGACGCGTCGGCA	T5;R7
T_7.15	x7.15-y7.15-x6.16*-y6.15*	CCGGAGCTTTCTATCTCAATGCTAACACAGACGAGTATGCA	T5;R7
T_7.16	x7.16-y7.16-x6.17*-y6.16*	CTTGTCCCTACTGCTTATTATGCGCCGATGACCCAAAGTGT	T5;R7
T_7.17	x7.17-y7.17-x6.18*-y6.17*	CTACGCCATCTGATAAATGACTGCTCGCGTGAGTGAATCCA	T5;R7
T_7.18	x7.18-y7.18-x6.19*-y6.18*	CCTGTCCCTACTTCAATTAAGTGGCATAAGGAACTGTTAATA	T5;R7
T_7.19	x7.19-y7.19-x6.20*-y6.19*	CCCTTCGCGGCTTCCAGGACCTGTGACAGGGAAGCAAGTATA	T5;R7
T_7.20	x7.20-y7.20-x6.21*-y6.20*	CACGAGCAGTCTCGGGTCTTGTGAGCGTGATACACCCAAA	T5;R7
T_7.21	x7.21-y7.21-x6.22*-y6.21*	CTAATACTGGCTTCCCTAATGCTGTCGCGCAGATGGGCCCTTA	T5
T_7.22	x7.22-y7.22-x6.23*-y6.22*	CACTCGTTTCTTATGGATATGCCCTTCCCGGATATTGAGCAA	T5
T_7.23	x7.23-y7.23-x6.24*-y6.23*	CCTTTCGCGCTTATAAGGGTGTATTACCTGAGTGGGAGGGA	T5
T_7.24	x7.24-y7.24-x6.25*-y6.24*	CAGATGGTCTTCTATCTGATGAGATCCCTGATAAGGTCAAA	T5
T_7.25	x7.25-y7.25-x6.26*-y6.25*	CTCCGCGTAGCTGAAACCAGTGGCTTAATGGATACACGGTCA	T5
T_7.26	x7.26-y7.26-x6.27*-y6.26*	CTATATGAGCCTCTTTGTAGTGTCCCGCCGATGGTCTAGTA	T5
T_7.27	x7.27-y7.27-x6.28*-y6.27*	CGCGATCGCTCTGATATAGTGATTACGCGGATAGCGAATAA	T5
T_7.28	x7.28-y7.28-x6.29*-y6.28*	CCCTTCTCACCTCGGTTGGCTGTGCTTTGCGATGACTATTA	T5
T_7.29	x7.29-y7.29-x6.30*-y6.29*	CGGATCCCAGCTTAGAAGTATGATTTTCGAGACCGCGTTCCA	T5
T_7.30	x7.30-y7.30-x6.31*-y6.30*	CTGAGAAACACTGGTAACTGTGACGCGCATGAGGCTTGGCTA	T5
T_7.31	x7.31-y7.31-x6.32*-y6.31*	CCTGGGCTAACTGCCCATCTTGGTAAATCACGACGTCATCTGA	T5
T_7.32	x7.32-y7.32-x6.33*-y6.32*	CGCGGTGTTTCTGCTATATGTGACACTAGTGTGAAATGCGA	T5
T_7.33	x7.33-y7.33-x6.34*-y6.33*	CTATGGGAAGCTACCGTATATGGACTAAAGGATAGTCTTCTA	T5
T_7.34	x7.34-y7.34-x6.35*-y6.34*	CCGTGACCACCTTTGAAGAATGTGTCTGTTCCGAACCCTAACGA	T5
T_7.35	x7.35-y7.35-x6.36*-y6.35*	CAAACCTCATCTTGAAGCAATGTTTATAAGGACCGGGTGA	T5
T_7.36	x7.36-y7.36-x6.37*-y6.36*	CGTCGTATTACTTATGCCCGTGAAATGGTGGACCTTTGCTTA	T5
T_7.37	x7.37-y7.37-x6.38*-y6.37*	CACTAAAGAGCTAGTACTGCTGCGTAATTTGACGAACTCGCA	T5
T_7.38	x7.38-y7.38-x6.39*-y6.38*	CTTATAACAGCTCTTTACATTTGCCAGGCCGACCTGTAGACA	T5;R7
T_7.39	x7.39-y7.39-x6.40*-y6.39*	CATACGCATACTCCTGCGCTGTGACCCCTGGATCTCCCTGA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_7.40	x7.40-y7.40-x6.41*-y6.40*	CATAGGAGAGCTGATFCCGGTGTCTGACGAGAGCACGCCCTGA	T5;R7
T_7.41	x7.41-y7.41-x6.42*-y6.41*	CGACCCTAACTGTACTACTGCGCTGGGCGAATTCGTCATA	T5;R7
T_7.42	x7.42-y7.42-x6.43*-y6.42*	CTTGAACCAGCTTGAAGTATTTGTGCAGCTGGAATAAACTTCA	T5;R7
T_7.43	x7.43-y7.43-x6.44*-y6.43*	CGACGCCGATCTAAAATATTTGAGGCGCGCGATTAGACGAGA	T5;R7
T_7.44	x7.44-y7.44-x6.45*-y6.44*	CATCTCCAACCTAGTGTCTGTGAGAGGTCGGACGTAAGGCTA	T5;R7
T_7.45	x7.45-y7.45-x6.46*-y6.45*	CATGAGATTGCTGAGGCGTTTGGGACTTTAGATTATAATTTA	T5;R7
T_7.46	x7.46-y7.46-x6.47*-y6.46*	CAAGGAAACCCCTAGGTTTGTGTGAAGGCGGATAGGATTGTA	T5;R7
T_7.47	x7.47-y7.47-x6.48*-y6.47*	CTACTGCTCCCTGATCTCCTTGGGCTGAACGAGTATACCTAA	T5;R7
T_7.48	x7.48-y7.48-x6.49*-y6.48*	CTGAACCACCTCTATATCATGCGACCGATGATTACCGGTTA	T5;R7
T_7.49	x7.49-y7.49-x6.50*-y6.49*	CGGGCTGCGGCTAAATACATATGTAAACCGTCAAGATTGACGCGA	T5;R7
T_7.50	x7.50-y7.50-x6.51*-y6.50*	CTTGCTATCCTTGGAACGTTGGGATACTTGAACCCCTCGGGA	T5;R7
T_7.51	x7.51-y7.51-x6.52*-y6.51*	CCCAGTGCAGCTGTGGGTCATGGTAATTCGGAAGTAGCTCTA	T5;R7
T_7.52	x7.52-y7.52-x6.53*-y6.52*	CGGCATCTCGCTTAGGCCTATGGAACCATGAGACTCCTATA	T5;R7
T_7.53	x7.53-y7.53-x6.54*-y6.53*	CCGAGTGTGCTGTGCGACCTTGAACGCCCTAGATCAGCAAAGA	T5;R7
T_7.54	x7.54-y7.54-x6.55*-y6.54*	CATTGTGCGCTACACCCCTGTGCGGACTACGACGAGCAAACA	T5;R7
T_7.55	x7.55-y7.55-x6.56*-y6.55*	CGAGATCAAACCTCCACAGGATGCTTCGAGAGATACCGTGCAA	T5;R7
T_7.56	x7.56-y7.56-x6.57*-y6.56*	CTGCACGGAACCTCAACGATTTGAGGAATCGGACCCTTCTGA	T5;R7
T_7.57	x7.57-y7.57-x6.58*-y6.57*	CATCGTCTCCTCGTGCATTTTGATATGATGGAAGCACTAGTA	T5;R7
T_7.58	x7.58-y7.58-x6.59*-y6.58*	CCAGGTTGCTGCGTGGGTGAATAGACTGATTGGACAGCA	T5
T_7.59	x7.59-y7.59-x6.60*-y6.59*	CCAGCTTATTCTTGTACTCTGATGAGAGTGAGATCTCTTAA	T5
T_7.60	x7.60-y7.60-x6.61*-y6.60*	CAGCCTCTCGCTGAGCGCCTTGACTTCTGTGGAGCACTGATGA	T5
T_7.61	x7.61-y7.61-x6.62*-y6.61*	CTAAAGCTACCTTAGGTGGCTGATAAACCTCGACTATCGTGCA	T5
T_7.62	x7.62-y7.62-x6.63*-y6.62*	CGAAACATCCCTCTCGGGCGTGTACTTGGCGGAGATTACTGGA	T5
T_7.63	x7.63-y7.63-x6.64*-y6.63*	CACCAGCGGTCTTGGGCTACTGGTGCACGGGAAGATACCCGA	T5
T_7.64	x7.64-y7.64-x6.65*-y6.64*	CGGTTTGATGCTGTTCTTCTTGGACACGGCGATCATGGCAA	T5
T_7.65	x7.65-y7.65-x6.66*-y6.65*	CCGAGCCCTCCTGTACAAAGTGCAATAGTTGATTTACCTCGA	T5
T_7.66	x7.66-y7.66-x6.67*-y6.66*	CCTGGGAGATCTTTGAATGGTGTACTGTTTGACATGCTTATA	T5
T_7.67	x7.67-y7.67-x6.68*-y6.67*	CTATCTCATACTCAACTTCTCTGTAACCGCGGAAATATAGCAA	T5
T_7.68	x7.68-y7.68-x6.69*-y6.68*	CTTTCTAAGCCTAAATCTATGTAGTAGAAGCGAATTTATTATGA	T5
T_7.69	x7.69-y7.69-x6.70*-y6.69*	CCGTAAGGTCTATCATAGGTGGTACTGAAGAAGATCGCATA	T5
T_7.70	x7.70-y7.70-x6.71*-y6.70*	CACCCTGCCCCTGAGCACATTGTGCTAGTTAAGAACGGTACCTA	T5
T_7.71	x7.71-y7.71-x6.72*-y6.71*	CACTTCGACGCTGTGAGTAGTGAGACCAGTGACAGACATTTGA	T5
T_7.72	x7.72-y7.72-x6.73*-y6.72*	CATGTACTGTCTCTCAGGGATGCCCGTCCGAAATGAGCTTA	T5
T_7.73	x7.73-y7.73-x6.74*-y6.73*	CTATACTGTACTAACCGTAATGTAAACGATGAATGATGTATA	T5
T_7.74	x7.74-y7.74-x6.75*-y6.74*	CTATTGTGACTTTTACACACCTGACCTTTAAGCACTGTGGAAA	T5
T_7.75	x7.75-y7.75-x6.76*-y6.75*	CATACATTTACTTTTATATTCTGACCGTACCAGATCCGAACCTA	T5;R7
T_7.76	x7.76-y7.76-x6.77*-y6.76*	CAGATACCGGCTAAAGGACTTGATATCTCTGACGGGCGATCA	T5;R7
T_7.77	x7.77-y7.77-x6.78*-y6.77*	CGGATGATTCCTAGACTAGGTGTAGTTTGGGAAACCTTACAA	T5;R7
T_7.78	x7.78-y7.78-x6.79*-y6.78*	CGGGTCAATGCTTTACACACTGCAGAGTTTGAAGCTGTCCGA	T5;R7
T_7.79	x7.79-y7.79-x6.80*-y6.79*	CATTCCGAGACTTCCGAACGTTGACGCCCGGATTTAACTACA	T5;R7
T_7.80	x7.80-y7.80-x6.81*-y6.80*	CAAACTAAGTCTGCTCCTTGTGCCCTTTCTAGAATCTATAGAA	T5;R7
T_7.81	x7.81-y7.81-x6.82*-y6.81*	CGGCGAATTAAGTCTGCGATAGCTGACGATTTGAGATTAGACTA	T5;R7
T_7.82	x7.82-y7.82-x6.83*-y6.82*	CTACGTCGCTCATGACGGTGTAGAGGGCGATGGAGGTGCA	T5;R7
T_7.83	x7.83-y7.83-x6.84*-y6.83*	CGCTCCTGCACTCGGAGCAATGACCATGGCGAGACGGTGCAA	T5;R7
T_7.84	x7.84-y7.84-x6.85*-y6.84*	CCATGCCTTGCTGGGCTGGTGGCGGGTCCGAGGTATTCGAA	T5;R7
T_7.85	x7.85-y7.85-x6.86*-y6.85*	CTAACTCGCCCTAACTATATTGTTTAAATCGACCCGAGGGAA	T5;R7
T_7.86	x7.86-y7.86-x6.87*-y6.86*	CTAGCGTTTGCTAAGTGCATTGAGGAAATGAGGTGCGGTTA	T5;R7
T_7.87	x7.87-y7.87-x6.88*-y6.87*	CAAGATTCACCTTAGCTCGATGACATCCGGGATACTATTCCA	T5;R7
T_7.88	x7.88-y7.88-x6.89*-y6.88*	CCGGCACGACCTCTTGTACGTGTTGGGTTAGAGGAAATGGAA	T5;R7
T_8.1	T10-y8.1-x7.1*-T10	TTTTTTTTTTTTAACTGCTTATGCGACGTAGCGTTTTTTTTTT	T5;R7
T_8.2	x8.2-y8.2-x7.2*-y7.1*	CGCCGTACCCCTCGAACCCGATGCCAGTGCCAGACGGACCATA	T5;R7
T_8.3	x8.3-y8.3-x7.3*-y7.2*	CGAAACTTCTCAGCTGATTTGATCAAGATTGAATTTGGTTA	T5;R7
T_8.4	x8.4-y8.4-x7.4*-y7.3*	CCATACACACTCGCTTCTGATGTGACGCGGTGACGAGGGTGA	T5;R7
T_8.5	x8.5-y8.5-x7.5*-y7.4*	CCGCGCTTGCTACCTGTAGTTGCCAACAAGGGACTTGTCTTA	T5;R7
T_8.6	x8.6-y8.6-x7.6*-y7.5*	CGATTGAAGCTCGACAAGTTTGTCTGAGACCGAACTTGAATA	T5;R7
T_8.7	x8.7-y8.7-x7.7*-y7.6*	CGGAATTTGCTGTGCGCCGGTGCAGCCAGATGAGGTAGTGAA	T5;R7
T_8.8	x8.8-y8.8-x7.8*-y7.7*	CTTTAGAACTGGTTTAAACTGCAGCGGCTGGAATCTTTGGA	T5;R7
T_8.9	x8.9-y8.9-x7.9*-y7.8*	CCCGGCCAACTCCATTCATGTGATCGCCAGCGAATCAGGCAA	T5;R7
T_8.10	x8.10-y8.10-x7.10*-y7.9*	CGGATACGCCCTTCAAGCACTGCCCTGCCGGGACCCCTTCTTA	T5;R7
T_8.11	x8.11-y8.11-x7.11*-y7.10*	CGTAATAGACTAATGTCTTGTGTATCTTAGGAATCGCATCA	T5;R7
T_8.12	x8.12-y8.12-x7.12*-y7.11*	CTGCAACTCCTCAAGGCTGTGGTTCCTAAAGAACGATCATA	T5;R7
T_8.13	x8.13-y8.13-x7.13*-y7.12*	CATTTGGTCTTCCGGTGTGTGACGCCGGCGATAGATGACA	T5;R7
T_8.14	x8.14-y8.14-x7.14*-y7.13*	CCGTGTCGCTTTGTTTCCATGACCAAGTTGACCAAGTTCCA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_8.15	x8.15-y8.15-x7.15*-y7.14*	CAAGCTCTACTGAAGTACGTTGAAAGCTCCGGAGCCGAATGA	T5;R7
T_8.16	x8.16-y8.16-x7.16*-y7.15*	CCACCATTCTATAATATATTGAATGGACAAGATTGGAGATA	T5;R7
T_8.17	x8.17-y8.17-x7.17*-y7.16*	CCAAAGAAACTACCTCATTATGTAGGCCGTAGATAATAAGCA	T5;R7
T_8.18	x8.18-y8.18-x7.18*-y7.17*	CTGTCCCAACTCAGCTCGGGTGTAAAGGACAGGAGTATTATCA	T5;R7
T_8.19	x8.19-y8.19-x7.19*-y7.18*	CCGGAATCGCTTTCTGGTGGTGCCGCGAAGGGAGTAATTGAA	T5;R7
T_8.20	x8.20-y8.20-x7.20*-y7.19*	CCGGACACCCTCGCTCGACTTGACTGCTCGTGAGGTCCTGAA	T5;R7
T_8.21	x8.21-y8.21-x7.21*-y7.20*	CGTCACTGCCTCAATATCGGTGCCAGTATTAGAAGGACCCGA	T5;R7
T_8.22	x8.22-y8.22-x7.22*-y7.21*	CCGAAGGGCCTTAAAGACAGTGGAACAGAGTGAGTTAAGGAA	T5
T_8.23	x8.23-y8.23-x7.23*-y7.22*	CATATACGCCCTCGACACGCGTGCCGCCGAAAGGATATCCATAA	T5
T_8.24	x8.24-y8.24-x7.24*-y7.23*	CTGGTGAACTCGCATCGAGTGAACCATTCTGACCCTTATAA	T5
T_8.25	x8.25-y8.25-x7.25*-y7.24*	CCTCAATCCCTGCCGGTGGTGCTACGCGGAGATACAGGATA	T5
T_8.26	x8.26-y8.26-x7.26*-y7.25*	CTAGTCCCTCTTGTATTGCGTGGCTCATATAGACTGGTTTCA	T5
T_8.27	x8.27-y8.27-x7.27*-y7.26*	CAACACGTTCTTAACGCACGTGAGCGATCGCGACTACAAAGA	T5
T_8.28	x8.28-y8.28-x7.28*-y7.27*	CTGTTGTACTATTCTTGCCTGGTGAGAAAGGACTATAATCA	T5
T_8.29	x8.29-y8.29-x7.29*-y7.28*	CTCTAGGTCCCTTACAATAATGTCCGGTATCCGAGCCAACCGA	T5
T_8.30	x8.30-y8.30-x7.30*-y7.29*	CCCGTGAGACTTAGAGCAATGTGTTTCTCAGATACTTCTAA	T5
T_8.31	x8.31-y8.31-x7.31*-y7.30*	CAAGTGCATCTTAGGAGAGTGTAGCCAGGACAGTTACCA	T5
T_8.32	x8.32-y8.32-x7.32*-y7.31*	CTTGGCTGGCTCTGTACGTTTGAACACCGCCAAGATGGGCA	T5
T_8.33	x8.33-y8.33-x7.33*-y7.32*	CCGCGAACGCTTCCATACCAATGCTTCCCATAGACATATAGCA	T5
T_8.34	x8.34-y8.34-x7.34*-y7.33*	CACCGTCGGCTACGTTAAGTGGTGGTACGGATATACGGTA	T5
T_8.35	x8.35-y8.35-x7.35*-y7.34*	CCGATAATCCTAACAGTAATGATGAAGTTTGATTTCTTCAA	T5
T_8.36	x8.36-y8.36-x7.36*-y7.35*	CTTCACTCCGCTGTTCATCATGTAATACGACGATGTGTTCAA	T5
T_8.37	x8.37-y8.37-x7.37*-y7.36*	CGCTTGAACCTTCTGTGATTTGCTCTTTAGTACGGGCATAA	T5
T_8.38	x8.38-y8.38-x7.38*-y7.37*	CCTTATGTCTCCCTCTAAATGCTGTATTATAAGAGCAGTACTA	T5
T_8.39	x8.39-y8.39-x7.39*-y7.38*	CTACCTAACCTCAGCCAATCTGTATGCGTATGAATGTAAGA	T5;R7
T_8.40	x8.40-y8.40-x7.40*-y7.39*	CTGGCTCTACTTTCCGTCGGTGCTCTCCTATGAGGCGCAGGA	T5;R7
T_8.41	x8.41-y8.41-x7.41*-y7.40*	CCAGCCCAACTGTGCTATGGTGTAGTGGTCGACCCGGAATCA	T5;R7
T_8.42	x8.42-y8.42-x7.42*-y7.41*	CGCCAGATGCTACGCTGCGCTGCTGGTTCAAGAGTAGGTACA	T5;R7
T_8.43	x8.43-y8.43-x7.43*-y7.42*	CCATATGGCCTTAATTTATTTGATCGCGCTCGAATFACTTCAA	T5;R7
T_8.44	x8.44-y8.44-x7.44*-y7.43*	CGCCAACACCTTTAGTATATTTGGTTGGAGATGAAATAGTTTA	T5;R7
T_8.45	x8.45-y8.45-x7.45*-y7.44*	CCTAGCCTCCTAATCCCTAATGCAATCTCATGAGCAGCACTA	T5;R7
T_8.46	x8.46-y8.46-x7.46*-y7.45*	CAGACTTCCTCGAACTAACCTGGGTTTCCCTGAAACGCCCTCA	T5;R7
T_8.47	x8.47-y8.47-x7.47*-y7.46*	CGATCACAACTACCGGCCCGTGGGAGCAGTAGAACAAACCTA	T5;R7
T_8.48	x8.48-y8.48-x7.48*-y7.47*	CGGGAACACTGTCTACAGGCTGAGTGGTTTCAAGAGGAGATCA	T5;R7
T_8.49	x8.49-y8.49-x7.49*-y7.48*	CAG5AAAGACTTCTTCAACCGTGGCCGAGCCGATGATATAGA	T5;R7
T_8.50	x8.50-y8.50-x7.50*-y7.49*	CCTTTACCTCTATATTCACGTTGGATAGGCAAGATATGTATTA	T5;R7
T_8.51	x8.51-y8.51-x7.51*-y7.50*	CGCTCAAACCTAGAATGTTATGTGCGACTGGGAACGTTCCAA	T5;R7
T_8.52	x8.52-y8.52-x7.52*-y7.51*	CAGACCAGCCTGGGCATAGGTGCGAGATGCCGATGACCCACA	T5;R7
T_8.53	x8.53-y8.53-x7.53*-y7.52*	CGATGGAGTCTAACCGGAAATTCGCGCACTCGGATAGGCCATA	T5;R7
T_8.54	x8.54-y8.54-x7.54*-y7.53*	CTTGATTGACTAAGTTAGGATGCGGCACAATGAAGTTCGACA	T5;R7
T_8.55	x8.55-y8.55-x7.55*-y7.54*	CAGATAACTTCCCAATCGCTGTTTGTATCGACAGGGTGTA	T5;R7
T_8.56	x8.56-y8.56-x7.56*-y7.55*	CACAAAGACTCTTACTAGTATTTGTTCCGTCGAGATCCTGTGGA	T5;R7
T_8.57	x8.57-y8.57-x7.57*-y7.56*	CGCCGTATTCTGTCTAGAGCATGGAGGACGATGAAATCGTTGA	T5;R7
T_8.58	x8.58-y8.58-x7.58*-y7.57*	CTTGCACCTCTTTGGAGTGTGGACAACCTGGAAATGCACGA	T5;R7
T_8.59	x8.59-y8.59-x7.59*-y7.58*	CGAAGCGAGCTCTGTCTTCTGTAATAAGCTGGACCCGACGCA	T5
T_8.60	x8.60-y8.60-x7.60*-y7.59*	CGGGCACACCTACGGCACGCTGCGAGAGGCTGAGAGTAACAA	T5
T_8.61	x8.61-y8.61-x7.61*-y7.60*	CCCTCTATGCTGTATAGCTGTGTAGCTTTAGAAGGCGCTCA	T5
T_8.62	x8.62-y8.62-x7.62*-y7.61*	CGTTCCGGGCTGTCACTGTTGTTGGGATGTTTCGAGCCACCTAA	T5
T_8.63	x8.63-y8.63-x7.63*-y7.62*	CTTCGGAACCTACTCATCCGTGACCCTGGTGACGCCCGAGA	T5
T_8.64	x8.64-y8.64-x7.64*-y7.63*	CATACCACGCTCACCTAATGATCAAAACCGAGTAGCCCAA	T5
T_8.65	x8.65-y8.65-x7.65*-y7.64*	CCGAGACGCTTTCACAGCCCTGGAGGCTCCGGAAGAAGAACA	T5
T_8.66	x8.66-y8.66-x7.66*-y7.65*	CCTTGACACACTGTCTTAAATGATCTCCAGGACTTTGTACA	T5
T_8.67	x8.67-y8.67-x7.67*-y7.66*	CTTGGCATCTCAGGACAAGTGTATGAGATAGACCATTCAA	T5
T_8.68	x8.68-y8.68-x7.68*-y7.67*	CAACCTTAGACTATCTAGCTTTGGCTTAGAAAGAGGAAAGTTGA	T5
T_8.69	x8.69-y8.69-x7.69*-y7.68*	CGTTAATATCTCGACGTACCTGACCTTTACGGATAGAATTTA	T5
T_8.70	x8.70-y8.70-x7.70*-y7.69*	CAAGTGTGACTAAAGCGGTTGGGCAGTGGTGACCTATGATA	T5
T_8.71	x8.71-y8.71-x7.71*-y7.70*	CGAATCATTTCAACTACGTGTGCGTCAAGTGAATGTGCTCA	T5
T_8.72	x8.72-y8.72-x7.72*-y7.71*	CGATGATAGCTGGCAGACCATGACAGTACATGACTACTCACA	T5
T_8.73	x8.73-y8.73-x7.73*-y7.72*	CCAGATGGACTCCCGAGTCTGTACAGTATAGATCCCTGAGA	T5
T_8.74	x8.74-y8.74-x7.74*-y7.73*	CTAGACCCTAGAAAGGAAAGTGGTCAAAATAGATTACGGTTA	T5
T_8.75	x8.75-y8.75-x7.75*-y7.74*	CGGGTGGCGCTAGCATACGCTGTAATAATGATGAGGTGTGAAA	T5
T_8.76	x8.76-y8.76-x7.76*-y7.75*	CGGGTGGCGCTTTGCAGATATGCCGGTATCTGAGAAATATAAA	T5;R7
T_8.77	x8.77-y8.77-x7.77*-y7.76*	CTAGGCACTTAGCCACTCGTGGAAATCATCCGAAGTCCTTTA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_8.78	x8.78-y8.78-x7.78*-y7.77*	CTCGATCCACTTACGCAACTTGCAATGACCCGACCTAGTCTA	T5;R7
T_8.79	x8.79-y8.79-x7.79*-y7.78*	CTCCTCAGGCTGCTTCTTGTGTGTCGCGAATGAGTGTGTAAA	T5;R7
T_8.80	x8.80-y8.80-x7.80*-y7.79*	CTCAAACGCTATCCCTGAATGACTTAGTTFGACGTTCCGGAA	T5;R7
T_8.81	x8.81-y8.81-x7.81*-y7.80*	CACAAGATCCCTTCAGTAAGTTGTAATTCGCCGACAAAGGAGCA	T5;R7
T_8.82	x8.82-y8.82-x7.82*-y7.81*	CTTTCGATCCTTGCTCTGCGTGGACGACGTAGAGCTATCGCA	T5;R7
T_8.83	x8.83-y8.83-x7.83*-y7.82*	CGAGGCACGCTCTAAAGAGTTGTGCAGGAGCGACCGTCAATGA	T5;R7
T_8.84	x8.84-y8.84-x7.84*-y7.83*	CTCGATCAACTGGTTGGGCGTGCAGGCATGGATTGCTCCGA	T5;R7
T_8.85	x8.85-y8.85-x7.85*-y7.84*	CGGCTTTATCTGAATGATATTTGGGCGAGTTAGACCAGGCCCA	T5;R7
T_8.86	x8.86-y8.86-x7.86*-y7.85*	CTATTTATACTACTTAACATTGCAAAACGCTAGAATATAGTTA	T5;R7
T_8.87	x8.87-y8.87-x7.87*-y7.86*	CGCAAGGTTACTTAGCACACGTTGGTGAATCTGGAATGCACCTA	T5;R7
T_8.88	x8.88-y8.88-x7.88*-y7.87*	CTACTAAGGCTATCCTGGATTGGTCTGTCGGATCGAGCTAA	T5;R7
T_9.1	x9.1-y9.1-x8.2*-y8.1*	CCACTAGACGCTACGTTGTTTGGGTACGGCGATAAAGCAGTTA	T5;R7
T_9.2	x9.2-y9.2-x8.3*-y8.2*	CCGGGTACAACCTGTTTGTGTGGAAGTTTCGATGCGGTTCCGA	T5;R7
T_9.3	x9.3-y9.3-x8.4*-y8.3*	CAGCCAAAGGCTTAGGAATCTGTGTGTATGGAAATCAGCTGA	T5;R7
T_9.4	x9.4-y9.4-x8.5*-y8.4*	CAGATCGTGTCTCGGAACCCGCAAGCGCGGATCAGAAGCGA	T5;R7
T_9.5	x9.5-y9.5-x8.6*-y8.5*	CCCTTCCTCTCTTCTGCGCTGCTTCAATCGAATACAGGTA	T5;R7
T_9.6	x9.6-y9.6-x8.7*-y8.6*	CAACAGCGCTCTTTGGCCGCTGCAAAATCCGAAACTTGTCTGA	T5;R7
T_9.7	x9.7-y9.7-x8.8*-y8.7*	CAGTATGGTTCTCCTCGACATGTTTCTAAAGACCGGGCGACA	T5;R7
T_9.8	x9.8-y9.8-x8.9*-y8.8*	CAGAGAATTACTTGCATATTTGTTGGCCGGGAGTTAAACCA	T5;R7
T_9.9	x9.9-y9.9-x8.10*-y8.9*	CGCGCAGCCGCTCGTCTGCTTTGGCGTATCCGACATGAATGGA	T5;R7
T_9.10	x9.10-y9.10-x8.11*-y8.10*	CAGGCCAATCTACCTAAGCTGTCTATTACGAGTGTCTGGAA	T5;R7
T_9.11	x9.11-y9.11-x8.12*-y8.11*	CCCTCACCCGCTCTTGGCCGTTGGAGTTCCAGAAAAGGACATTA	T5;R7
T_9.12	x9.12-y9.12-x8.13*-y8.12*	CCAAGCGCTCTTTATCATATAGCACAAATGACAGCCTTGTA	T5;R7
T_9.13	x9.13-y9.13-x8.14*-y8.13*	CTATCCGATGCTCGGCGGTTTGGCGACACGGAACAACCGGAA	T5;R7
T_9.14	x9.14-y9.14-x8.15*-y8.14*	CTCATTTAAGCTGACACGTTTGTAGAGCTTGATGGAAACAAA	T5;R7
T_9.15	x9.15-y9.15-x8.16*-y8.15*	CTTGTTTAGCCTTCTTACATGAATCGGTGGACGTACTTCA	T5;R7
T_9.16	x9.16-y9.16-x8.17*-y8.16*	CTAAGCCGCTCTCTTAATATGTTTCTTTGGAATATATTATA	T5;R7
T_9.17	x9.17-y9.17-x8.18*-y8.17*	CTTTGATGCTCTTAAACATTGTTGGGACAGATAGTGAGGTA	T5;R7
T_9.18	x9.18-y9.18-x8.19*-y8.18*	CACGGTTACTACTAAGCATGCGATTCGGACCCGAGCTGA	T5;R7
T_9.19	x9.19-y9.19-x8.20*-y8.19*	CCCGTCTTCTGACGAGGTTGGGTGTCGGGACCACCAGAAA	T5;R7
T_9.20	x9.20-y9.20-x8.21*-y8.20*	CCGGTGGCTCTGATCACCATGGCAGTGACGAGTCCGAGCGA	T5;R7
T_9.21	x9.21-y9.21-x8.22*-y8.21*	CTAGGCCTACCTGTGGGTTATGGCCCTTCGGACCGATATTGA	T5
T_9.22	x9.22-y9.22-x8.23*-y8.22*	CTCCTCATTACTCCCAGTCTGGCGTATATGACTGTCTTTAA	T5
T_9.23	x9.23-y9.23-x8.24*-y8.23*	CTTATACTGCCTTGGGCGCGTGGTTCCGACAGCGGTGTCTGA	T5
T_9.24	x9.24-y9.24-x8.25*-y8.24*	CAAGTAGGAAGTGCCTGATGGGATTGAGGACCTGATCGCA	T5
T_9.25	x9.25-y9.25-x8.26*-y8.25*	CGGAGATTCCTGTAAGATGTGAGGGACTAGACCACCAGGCA	T5
T_9.26	x9.26-y9.26-x8.27*-y8.26*	CCGCTGGCAGCTGACTTGGATGAACGTTGACGCATAACAA	T5
T_9.27	x9.27-y9.27-x8.28*-y8.27*	CGGACACCTGTACAGTATTTGTAACAACAGACGTGCGTTAA	T5
T_9.28	x9.28-y9.28-x8.29*-y8.28*	CTCCCACGAGCTGACTCAATGGACCTAGAGACGCAAGAATA	T5
T_9.29	x9.29-y9.29-x8.30*-y8.29*	CCGATGTCAGCTGCTCCCGTGTCTCACGGGATTATGTAGA	T5
T_9.30	x9.30-y9.30-x8.31*-y8.30*	CGATCCAGGCTGGGTGATTTGTAGCATTGAATTGCTCTAA	T5
T_9.31	x9.31-y9.31-x8.32*-y8.31*	CTGAAAGTAGCTTTTGGCATCTGCCAGCAAGACTCTCCTAGA	T5
T_9.32	x9.32-y9.32-x8.33*-y8.32*	CAAAGACGGACTCCCTCAACTGCGTTTCGGGAAACGTACAGA	T5
T_9.33	x9.33-y9.33-x8.34*-y8.33*	CGAATCACCTTTCCGCGGTGCCAGCGGTGATTGGTAGGAA	T5
T_9.34	x9.34-y9.34-x8.35*-y8.34*	CATAACGCCGCTCCTGATCATGGATTATCGGACTTAAACGTA	T5
T_9.35	x9.35-y9.35-x8.36*-y8.35*	CTGGTCTCGCTTACTGTGCTGGGATGAAGATTACTTGTTA	T5
T_9.36	x9.36-y9.36-x8.37*-y8.36*	CGGAATCACGCTTGTTCGCTTGTTCGAAGCATGATGCAACA	T5
T_9.37	x9.37-y9.37-x8.38*-y8.37*	CGTAACCACTCCTTAAGAGTGGACATAAAGGAAATACCAGAA	T5
T_9.38	x9.38-y9.38-x8.39*-y8.38*	CTACCCTCGCTCTTACCGGTGGTTAGGTAGATTTAGAGGGA	T5;R7
T_9.39	x9.39-y9.39-x8.40*-y8.39*	CACAGCGATGCTGGATGCTGTGTAGAGCCAGAGATTGGCTGA	T5;R7
T_9.40	x9.40-y9.40-x8.41*-y8.40*	CGGATGCGTCTTTGCCCAATGTTGGGCTGGACCACGGAAA	T5;R7
T_9.41	x9.41-y9.41-x8.42*-y8.41*	CTCAAGCGACCTGAGTTACGTGAATCTGGCGACCATAGCACA	T5;R7
T_9.42	x9.42-y9.42-x8.43*-y8.42*	CGGCTGAACACTGCCGCGTGGCCATATGGAGCGCAGCGTA	T5;R7
T_9.43	x9.43-y9.43-x8.44*-y8.43*	CTTCCGCTGTCTGATGTAGCTGGTGTGGCGGAAATAAATTA	T5;R7
T_9.44	x9.44-y9.44-x8.45*-y8.44*	CCGGTAAGCACTCACAAAGTGGAGGCTAGGAATATACTAAA	T5;R7
T_9.45	x9.45-y9.45-x8.46*-y8.45*	CTGTTAATGTCTGCATAACGTTGGAAGTGTGATTAGGGATTA	T5;R7
T_9.46	x9.46-y9.46-x8.47*-y8.46*	CATTCGTGCTGGTTGGTAGATTGTTGTGATCGAGTTAGTTCGA	T5;R7
T_9.47	x9.47-y9.47-x8.48*-y8.47*	CTTGTGGCTCTAATTCACATGTAGTTCCCGACGGCCGGTA	T5;R7
T_9.48	x9.48-y9.48-x8.49*-y8.48*	CAAGACACATTAACACCCATGCTTTCCGACCCGTGTGACA	T5;R7
T_9.49	x9.49-y9.49-x8.50*-y8.49*	CGTCGGCGCTTTATACCTTTGAGGTTAAAGGACCGTTGAAGA	T5;R7
T_9.50	x9.50-y9.50-x8.51*-y8.50*	CATGAGCGAACTCTGGGACATGGTTTGGAGCAGCTGAATATA	T5;R7
T_9.51	x9.51-y9.51-x8.52*-y8.51*	CTACTATGGCCTAGGTATGGTGGCTGGTCTGATAACATTCTA	T5;R7
T_9.52	x9.52-y9.52-x8.53*-y8.52*	CAATCACGGTCTCCCGCCATTGACTCCATCGACCTATGCCCA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_9.53	x9.53-y9.53-x8.54*-y8.53*	CGTAAATTAACCTCCGACAATTGTCATCAAGAATTCGCGTTA	T5;R7
T_9.54	x9.54-y9.54-x8.55*-y8.54*	CGATGGATACCTCTAATACGTGTAGTATCTGATCCCTAECTTA	T5;R7
T_9.55	x9.55-y9.55-x8.56*-y8.55*	CCAAGGTTCACTATATACCGTGTCTTCTGTGACGCATTGGGA	T5;R7
T_9.56	x9.56-y9.56-x8.57*-y8.56*	CCATCGATTTCTGCTCGATTTGAAATACGGCGAATCACTAGGA	T5;R7
T_9.57	x9.57-y9.57-x8.58*-y8.57*	CCAGCCCGCTCTACAATGCTGAGGTGCAAGATGCTCTGACA	T5;R7
T_9.58	x9.58-y9.58-x8.59*-y8.58*	CCTAAGACTTCTCAGGTGCATGCTCGCTTCAAGACTCCAAA	T5
T_9.59	x9.59-y9.59-x8.60*-y8.59*	CCTAGCGGTCTTATTCGTGCTGGTGTGCCGACAGAAACAGA	T5
T_9.60	x9.60-y9.60-x8.61*-y8.60*	CTTTGGCGGACTCTGTAATGTGCATAGAGGGAGCGTGCCGTA	T5
T_9.61	x9.61-y9.61-x8.62*-y8.61*	CACGCACCATCTTCTTGGCATGCCCGGAACGACAGCTATACA	T5
T_9.62	x9.62-y9.62-x8.63*-y8.62*	CTAGGATATCCCTCAACAAGTGTTCGGAAGACGAACTGACA	T5
T_9.63	x9.63-y9.63-x8.64*-y8.63*	CAGTGAAAGCGCTACAGTGGTGCCTGGTATGACGGATGAGTA	T5
T_9.64	x9.64-y9.64-x8.65*-y8.64*	CGTGGAATGTCTCTAACGATTGACGCTCTCGGAGTTAGGGTGA	T5
T_9.65	x9.65-y9.65-x8.66*-y8.65*	CTGCTTACGCCTACAGCCCTTGTGTGCAAGGAGGCTTGTGAA	T5
T_9.66	x9.66-y9.66-x8.67*-y8.66*	CGCTCAGACGCTAAACGCATTTGAATCGCAAGATGTTAAGACA	T5
T_9.67	x9.67-y9.67-x8.68*-y8.67*	CCCAGCGTTTCTACGGCATGTGTCAAGGTTGACTTGTCTCTGA	T5
T_9.68	x9.68-y9.68-x8.69*-y8.68*	CAGACTGTGCCTAATTTCACTGATATTAACGAAGACTAGATA	T5
T_9.69	x9.69-y9.69-x8.70*-y8.69*	CCAACCTTGGCTAGAGGTGGTGTACACACTTGGAGGTACGTCGA	T5
T_9.70	x9.70-y9.70-x8.71*-y8.70*	CGGTTAGTCTCTTGTGCTGATGATTCGAACGCGCTTTA	T5
T_9.71	x9.71-y9.71-x8.72*-y8.71*	CTTACATAACCTCGGCCGGTGTCTATCATCGACACGTAGTTA	T5
T_9.72	x9.72-y9.72-x8.73*-y8.72*	CTCCAACCTCCCTTTAGACGTTGTCCATCTGGATGGTCTGCCA	T5
T_9.73	x9.73-y9.73-x8.74*-y8.73*	CCTCTTCCGCTTTAAACATTTGGCGGTCTAGAGACTCCGGGA	T5
T_9.74	x9.74-y9.74-x8.75*-y8.74*	CGTGTGCAACCTAGTAATTTGTGCGCCACCCGACTTCTTCTTA	T5
T_9.75	x9.75-y9.75-x8.76*-y8.75*	CTGGGTAAACGCTAGGTCGTTTGTGCGCACCCGAGCGTATGCTA	T5;R7
T_9.76	x9.76-y9.76-x8.77*-y8.76*	CACCTCGGCGCTCAGGCAATTTGAGTGCCTAGATATCTGCAAA	T5;R7
T_9.77	x9.77-y9.77-x8.78*-y8.77*	CGGCACCGTACTACGAAATTTGTGGATCGAGACGAGTGGCTA	T5;R7
T_9.78	x9.78-y9.78-x8.79*-y8.78*	CTCCATATTTCTTGACCAGTTGCCGTGAGGAGAAGTTGCGTAA	T5;R7
T_9.79	x9.79-y9.79-x8.80*-y8.79*	CATATTTGAGCTCCCTTATATGACGTTTGAGAACAAGAAGCA	T5;R7
T_9.80	x9.80-y9.80-x8.81*-y8.80*	CTTTAATGGCCTTGGCTCGTTGGATCTTGTGATTCAGGGATA	T5;R7
T_9.81	x9.81-y9.81-x8.82*-y8.81*	CACGGTACTACTGAGGTTGGATCGAAAGAACCTTACTGAA	T5;R7
T_9.82	x9.82-y9.82-x8.83*-y8.82*	CGTATACCCACTTTCCATGTTGCGTGCCTCGACGCAGAGCAA	T5;R7
T_9.83	x9.83-y9.83-x8.84*-y8.83*	CAATGCTCTTCTGTAATCAATGTTGATCGAGAACCTTTTAGA	T5;R7
T_9.84	x9.84-y9.84-x8.85*-y8.84*	CAGATGGAACCTCAGCTCGTTGATAAAGCCGACGCCAACCA	T5;R7
T_9.85	x9.85-y9.85-x8.86*-y8.85*	CCAACGGTTGCTTATGTTATGTAATAAATAGAATATCATTCA	T5;R7
T_9.86	x9.86-y9.86-x8.87*-y8.86*	CAACTCACCACTATAAAGCTTGTACCTTGCGAATGTTAAGTA	T5;R7
T_9.87	x9.87-y9.87-x8.88*-y8.87*	CTCCCTGTGCTTTACAAACTGCTTAGTAGACGCTGTGCTAA	T5;R7
T_9.88	x9.88-y9.88-x8.89*-y8.88*	CAGCACAACCTGTCCACGGTGTGTTGAGTGAATCCAGGATA	T5;R7
T_10.1	T10-y10.1-x9.1*-T10	TTTTTTTTTTTTTTCGGTCGATTGCGTCTAGTGGTTTTTTTTTTT	T5;R7
T_10.2	x10.2-y10.2-x9.2*-y9.1*	CTCATCGATCTTGCAGCCATGTTGTACCCGAAACAACGTA	T5;R7
T_10.3	x10.3-y10.3-x9.3*-y9.2*	CAGCTGTGCTATGCACTCGTCCCTTTGGCTGACACAAACAA	T5;R7
T_10.4	x10.4-y10.4-x9.4*-y9.3*	CCGTCGTTACTATCCCTTATTTGACGCGATCTGAGATTCCTAA	T5;R7
T_10.5	x10.5-y10.5-x9.5*-y9.4*	CCACCTCCACTAAGAGAACCTGAGAGGAAGGGAGGGTCCGA	T5;R7
T_10.6	x10.6-y10.6-x9.6*-y9.5*	CACCGACTACTGCGCCCTAATTTGACGCGCTGTGAGGCAGAAGA	T5;R7
T_10.7	x10.7-y10.7-x9.7*-y9.6*	CACATATGTCTCAACCTTATTTGAACCATACTGACGCGGCAAA	T5;R7
T_10.8	x10.8-y10.8-x9.8*-y9.7*	CATCATCCACTTGACTCAAGTGAATTTCTCTGATGTCGAGGA	T5;R7
T_10.9	x10.9-y10.9-x9.9*-y9.8*	CGCATATACCTCTGACCCGGTGCCTGCGCGAAATATGCAA	T5;R7
T_10.10	x10.10-y10.10-x9.10*-y9.9*	CGCCCTGGACTGTGGCAAAGTGATTAGGCCCTGAAAGCGACGA	T5;R7
T_10.11	x10.11-y10.11-x9.11*-y9.10*	CTCTGGAACCTCGATCTTACTGGCGGTGAGGAGCTTAGGTA	T5;R7
T_10.12	x10.12-y10.12-x9.12*-y9.11*	CGAGCAGTCTGATCAGTCTGAGCGCTTGGACGCGCCAGAA	T5;R7
T_10.13	x10.13-y10.13-x9.13*-y9.12*	CCGCGCGGCTGGGTGCTTGTGCATCGGATAGATATGATAAAA	T5;R7
T_10.14	x10.14-y10.14-x9.14*-y9.13*	CAACATATCCTCCGAGGATTTGCTTAAATGAGAAACGGCCGA	T5;R7
T_10.15	x10.15-y10.15-x9.15*-y9.14*	CACCGCATTTGACAGACCTTGGCTTAAACAGAAACGTTGCA	T5;R7
T_10.16	x10.16-y10.16-x9.16*-y9.15*	CCTGCCGAGCTGGCCGAAGGTGAGCGGCTTAGATGTAGAGAA	T5;R7
T_10.17	x10.17-y10.17-x9.17*-y9.16*	CATGGGCGGCTTCAAATCTTGGACATCAAAGATATTAAGA	T5;R7
T_10.18	x10.18-y10.18-x9.18*-y9.17*	CCATAAATTTCTGCGCCGTAGTGTGAAACCTGGAATGGTTTAA	T5;R7
T_10.19	x10.19-y10.19-x9.19*-y9.18*	CCCGCCAAACTATTCTGTTGCTGGAAGGACGGGATGCTTAGTA	T5;R7
T_10.20	x10.20-y10.20-x9.20*-y9.19*	CATGCTCAACTCGCTCCAGTTGAGCCACCCGGAACCTCGTCA	T5;R7
T_10.21	x10.21-y10.21-x9.21*-y9.20*	CCGTTGACCCCTACAAGCAAATGGTAGGCCCTAGATGGTGATCA	T5;R7
T_10.22	x10.22-y10.22-x9.22*-y9.21*	CTATCTCTGCTATCTTCTGTTGTAATGAGGAGATAAACCACA	T5
T_10.23	x10.23-y10.23-x9.23*-y9.22*	CTCTTTTCGACTTTCTCACAATGGCAGTATAAGAGGACTGGGA	T5
T_10.24	x10.24-y10.24-x9.24*-y9.23*	CCGCGCTTCTCCGGGCTCGTGTCTTCTACTCTGACGCGCCCAA	T5
T_10.25	x10.25-y10.25-x9.25*-y9.24*	CCCCTGTTCTGCCCAGCCGTTGGGAATCTCCGATCGAGCGCA	T5
T_10.26	x10.26-y10.26-x9.26*-y9.25*	CTAGACTTCTCTTATGGCTTGTGTCAGCGGACATCTTACA	T5
T_10.27	x10.27-y10.27-x9.27*-y9.26*	CGCTATTTACTTGCCTGCGTGCAGGTGTCCGATCCAAGTCA	T5

Seq_ID	Domains	Sequence	Used in
T_10.28	x10.28-y10.28-x9.28*-y9.27*	CGGATGGTGC TGGGACGCGTGCTCGTGGGAGAAATAC TGTA	T5
T_10.29	x10.29-y10.29-x9.29*-y9.28*	CTATCCCATCTCAAGGAATATGCTGACATCGGATTGAGTACA	T5
T_10.30	x10.30-y10.30-x9.30*-y9.29*	CCGTCGGTCC TACCCGACCATGCC TGGGATCGAACGGGAGCA	T5
T_10.31	x10.31-y10.31-x9.31*-y9.30*	CGTATCTCCTGCGTTCGGTGTCTACTTTTCAGAAATCACCCA	T5
T_10.32	x10.32-y10.32-x9.32*-y9.31*	CCCGCTATGCTCTTTGTCA TTGTCCGCTTTTGAGATCGCAAA	T5
T_10.33	x10.33-y10.33-x9.33*-y9.32*	CGTTGATGGCTTAGCGCGTATGGGTGAGTTTCGAGTTGAGGGA	T5
T_10.34	x10.34-y10.34-x9.34*-y9.33*	CGATTAACACTATAC TCA TTTCGCGCGTTATGACGGCGGAAA	T5
T_10.35	x10.35-y10.35-x9.35*-y9.34*	CTACAGGGACTTTTCAGCGCGTGC GAGGACCAGATGATCAGGA	T5
T_10.36	x10.36-y10.36-x9.36*-y9.35*	CTGCGACCAC TGTGCAAGGTGCGTAGTTCCGACGACAGTAA	T5
T_10.37	x10.37-y10.37-x9.37*-y9.36*	CCCTCATTCCTACCTCACCTGTGTGTACGAAAGCGAACAA	T5
T_10.38	x10.38-y10.38-x9.38*-y9.37*	CGTGCAGCACTGAAGCGACATGCGAGTGGTAGACTCTTAGGA	T5
T_10.39	x10.39-y10.39-x9.39*-y9.38*	CCGCGCGTACTCACATTACGTGCATCGCTGTGACCGGTAAGA	T5;R7
T_10.40	x10.40-y10.40-x9.40*-y9.39*	CGACGTGACCTTAGAACAGGTGAACGCATCCGACAGCATCCA	T5;R7
T_10.41	x10.41-y10.41-x9.41*-y9.40*	CGAACAGCACTTTCACTTCTTGGTTCGCTTGAGATTGGGCAAA	T5;R7
T_10.42	x10.42-y10.42-x9.42*-y9.41*	CATCGCTAACTAGTAGCAAATGTGTTCAGCCGACGTAAC TCA	T5;R7
T_10.43	x10.43-y10.43-x9.43*-y9.42*	CATTACCCACTATCGCGCGTTGACAGCGGAAGACGGGCGGCA	T5;R7
T_10.44	x10.44-y10.44-x9.44*-y9.43*	CCCGGTATAC TATACGGCCCTGTGCTTACGGAGCTACATCA	T5;R7
T_10.45	x10.45-y10.45-x9.45*-y9.44*	CCTATGCCTCTGCCCAAATCTGACATTAACAGACCTTTGTGA	T5;R7
T_10.46	x10.46-y10.46-x9.46*-y9.45*	CGCATACTTCTCGAAACCCGTGCGACAGAATGACGTTATGCA	T5;R7
T_10.47	x10.47-y10.47-x9.47*-y9.46*	CGTGGACACCTCACAGGCTGTGAGGCCACAAAGAA TCTACCAA	T5;R7
T_10.48	x10.48-y10.48-x9.48*-y9.47*	CGGCTGCATCTTGAGCAGATTGATGTGCTTGTATGTGAATTA	T5;R7
T_10.49	x10.49-y10.49-x9.49*-y9.48*	CTGTCTGCAC TGGTCCGTA TTGACCCGCGACGATGGGTGTTA	T5;R7
T_10.50	x10.50-y10.50-x9.50*-y9.49*	CGCTTGACTCCTTTGGAAACATGTTTCGCTCATGAAAGGTATAA	T5;R7
T_10.51	x10.51-y10.51-x9.51*-y9.50*	CCTCTGACTCTCAATGCCCTTGGCCATAGTAGATGTCC CAGA	T5;R7
T_10.52	x10.52-y10.52-x9.52*-y9.51*	CCGGTTTGCTGTCCAGGAGTGACCGTGATTGACCATACCTA	T5;R7
T_10.53	x10.53-y10.53-x9.53*-y9.52*	CAAGGACTGCTTCTTCGCATGTTAATTTACGAATGGCGGGA	T5;R7
T_10.54	x10.54-y10.54-x9.54*-y9.53*	CTGCAGGCGCTGGCGGGATCTGGTATCCATCGAATTGT CCGGA	T5;R7
T_10.55	x10.55-y10.55-x9.55*-y9.54*	CACCTTGGCC TAAGCTTGCA TGTGAACCTTGGACGATTAGA	T5;R7
T_10.56	x10.56-y10.56-x9.56*-y9.55*	CGACGCTTCTCCGGACGATGAAATCGATGGACGCTATATA	T5;R7
T_10.57	x10.57-y10.57-x9.57*-y9.56*	CGCGAGAACCTCCACACCATGAGCGGGCTGGAATCGAGCA	T5;R7
T_10.58	x10.58-y10.58-x9.58*-y9.57*	CCCGGTGAAC TATCAAATTTGAAGTCTTAGGAGCATTTGTA	T5;R7
T_10.59	x10.59-y10.59-x9.59*-y9.58*	CAAAGCCGCTCTATCGAAGTGGACCGCTAGGATGCACCTGA	T5
T_10.60	x10.60-y10.60-x9.60*-y9.59*	CTCCCGATTCTGCCCGCGGTTGTCCGCCAAAAGACGACGAATA	T5
T_10.61	x10.61-y10.61-x9.61*-y9.60*	CAGAAAGACCTTACC CGGATTTGATGGTGCCTGACATTACAGA	T5
T_10.62	x10.62-y10.62-x9.62*-y9.61*	CTAGCTGACATGCGCTCGCGGTGATACCTAGATGCCAGGAA	T5
T_10.63	x10.63-y10.63-x9.63*-y9.62*	CCAAC TGCCCTCTAGCTCTGTGCGCTTCACTGACTTGT TGGGA	T5
T_10.64	x10.64-y10.64-x9.64*-y9.63*	CTATTTCTCTATCCGTGGGTGACATTCACGAGCCACTGTA	T5
T_10.65	x10.65-y10.65-x9.65*-y9.64*	CCCTCGGCTCTGCTTGCAAATGGCTGAAGCAGAATCGTTAGA	T5
T_10.66	x10.66-y10.66-x9.66*-y9.65*	CAAACGATTCTCGCCCATACTGCGCTGACCGAAGGGCTGTA	T5
T_10.67	x10.67-y10.67-x9.67*-y9.66*	CGGAATAGGCTCTCATGATATGAAACGTCGGGAATGCGTTTA	T5
T_10.68	x10.68-y10.68-x9.68*-y9.67*	CTCATGTTACTGCGCAGTTATGCGCACAGTCTGACATGCCGTA	T5
T_10.69	x10.69-y10.69-x9.69*-y9.68*	CGATGCTTTCTAGCTGCGCTTGGCAGAGTTGACTGAAATTA	T5
T_10.70	x10.70-y10.70-x9.70*-y9.69*	CCCTGGCCGCTCCAGACGTTTGGAGCTAACCGACCACCTCTA	T5
T_10.71	x10.71-y10.71-x9.71*-y9.70*	CCCGGGAATCTTGTCAAAAATGGTTATGTAAGACTGACAAGA	T5
T_10.72	x10.72-y10.72-x9.72*-y9.71*	CATAGGAAACTTGGAACTTGTGGGAGTTGGAGAACC GGCCGA	T5
T_10.73	x10.73-y10.73-x9.73*-y9.72*	CAATCCGCCCTTGAAGTGGCTGGCGGAAGAGGAACGCTTAAA	T5
T_10.74	x10.74-y10.74-x9.74*-y9.73*	CATTTACGGCTAGGACTGTTGTTGACACCGAATGTTTAAA	T5
T_10.75	x10.75-y10.75-x9.75*-y9.74*	CGTATTATACTCTGCAGTAATGCGTTACCCAGCACAAT TACTA	T5
T_10.76	x10.76-y10.76-x9.76*-y9.75*	CCATTTAGTCTTAGCTATTGTGGCGCGAGTGAAACGACCTA	T5;R7
T_10.77	x10.77-y10.77-x9.77*-y9.76*	CATTAGTGGCTTGAGAGATTGTACGGTGCCGAATG CCTGA	T5;R7
T_10.78	x10.78-y10.78-x9.78*-y9.77*	CTACCCGGGCTTCGCGCCTATGAAATATGGAGAAAT TCGTA	T5;R7
T_10.79	x10.79-y10.79-x9.79*-y9.78*	CTGCCAGACCTCATCTCGTGTCTCAAATATGAACTGGTCAA	T5;R7
T_10.80	x10.80-y10.80-x9.80*-y9.79*	CGCAGAAGCCTATTACCGGATGGCCATTAAGATATAAGGGA	T5;R7
T_10.81	x10.81-y10.81-x9.81*-y9.80*	CCCAGTGTGCTCAACAGAGATGTACCTCCCTGGAACGAGCCAA	T5;R7
T_10.82	x10.82-y10.82-x9.82*-y9.81*	CCGACCTGGCTGGAACATTATGTGGGTATACGAACCTCAGTA	T5;R7
T_10.83	x10.83-y10.83-x9.83*-y9.82*	CAGGCTTTACTTACTCCTATTGAAGAGCATTGAACATGGAAA	T5;R7
T_10.84	x10.84-y10.84-x9.84*-y9.83*	CGTCTCAATCTGCAAGGCGGTGGTTCATCTGATTGATTACA	T5;R7
T_10.85	x10.85-y10.85-x9.85*-y9.84*	CAGTGGCAGCTTACTTCGAATGCAACCGTTGGAACGACG TGA	T5;R7
T_10.86	x10.86-y10.86-x9.86*-y9.85*	CCGGTTCACTCAACTCTCGCTGTGGTGTGATGATAACAATAA	T5;R7
T_10.87	x10.87-y10.87-x9.87*-y9.86*	CCTTTGACTTACTTACCTCCCTGACACAGGGGAGGACTTTATA	T5;R7
T_10.88	x10.88-y10.88-x9.88*-y9.87*	CGCTCAACTTCTGCCAATCTTGGTGGTGTGAGTTGT TAAA	T5;R7
T_11.1	x11.1-y11.1-x10.2*-y10.1*	CGCAACTTAACTGGCAAGGGTGTATCGATGAGAATCGACCGAA	T5;R7
T_11.2	x11.2-y11.2-x10.3*-y10.2*	CCATGTTTGTCTTTATACATGCAACAGCTGATGGCTCGCAA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_11.3	x11.3-y11.3-x10.4*-y10.3*	CATAGATCCCTAACCTCCCTGTAAACGACGGACGAGTGCATA	T5;R7
T_11.4	x11.4-y11.4-x10.5*-y10.4*	CCCCTCTGAACTCGCTAAGTTGTGGAGGTGGAATAAGGGGATA	T5;R7
T_11.5	x11.5-y11.5-x10.6*-y10.5*	CGGGCTCTCTCTAGGTTGCATGTAGTCGGTGAGGTTCTCTTA	T5;R7
T_11.6	x11.6-y11.6-x10.7*-y10.6*	CGGGCAAGCTCTGTCTATAGTGCACATATGTGAATGAGGCCGA	T5;R7
T_11.7	x11.7-y11.7-x10.8*-y10.7*	CCGTCACTGTTCTTGAGATCATGTGGATGATGAATAAGGTTGA	T5;R7
T_11.8	x11.8-y11.8-x10.9*-y10.8*	CAAACCTACGCCTGCTCATATTGGTATATGCGACTTGAGTCAA	T5;R7
T_11.9	x11.9-y11.9-x10.10*-y10.9*	CGGGACTGTACTCCTAACCTTGTCCAGGGGCGACCGGGTCAGA	T5;R7
T_11.10	x11.10-y11.10-x10.11*-y10.10*	CCTGGGCCAGCTCGCAACAATGTTTCCAGAGACTTTGCCACA	T5;R7
T_11.11	x11.11-y11.11-x10.12*-y10.11*	CCTCGGGCCCGCTCAACGCCGTGACGTGCTCGAGTAAGATCGA	T5;R7
T_11.12	x11.12-y11.12-x10.13*-y10.12*	CCCCTTAATACTATAGTTGATGCGCGGGGAGGACTGATCA	T5;R7
T_11.13	x11.13-y11.13-x10.14*-y10.13*	CCGGTAACCGCTATGTTCCCTGGATATGTTGACAACGACCCA	T5;R7
T_11.14	x11.14-y11.14-x10.15*-y10.14*	CTCACAAGAACATAAAGAGTGAATGCGGTGAATCCCTCGGA	T5;R7
T_11.15	x11.15-y11.15-x10.16*-y10.15*	CGTTGTAATACTACCATTCTGCTCGGCAGGAAGGGTCTGCA	T5;R7
T_11.16	x11.16-y11.16-x10.17*-y10.16*	CGAATGGTCACTCGAACCAATGCGGCCCATGACCTTCGGCCA	T5;R7
T_11.17	x11.17-y11.17-x10.18*-y10.17*	CTAGCTGGATCTGTATATATGAAATATGGAAGTATTTGAA	T5;R7
T_11.18	x11.18-y11.18-x10.19*-y10.18*	CACGGGCCACTTGTGCTTTGTTTGGCGGGACTAACGGCGA	T5;R7
T_11.19	x11.19-y11.19-x10.20*-y10.19*	CCTACGAGTTCTAGGAGCGGTGTTGAGCATGACGAACGAATA	T5;R7
T_11.20	x11.20-y11.20-x10.21*-y10.20*	CTATTCTACACTCGTCTCATGGGTCAACGGAACGAGCGGA	T5;R7
T_11.21	x11.21-y11.21-x10.22*-y10.21*	CCCAAAGGCGCTTCCAGACATGCAGAGATAGATTTGCTTGTGA	T5
T_11.22	x11.22-y11.22-x10.23*-y10.22*	CTCGGAGCCGCTTCCCTGTCTGTGCAAGAGACACGAAGATA	T5
T_11.23	x11.23-y11.23-x10.24*-y10.23*	CTGACCACGTCTTCGCGTCAATGAAGACGCGGATTGTGAGAAA	T5
T_11.24	x11.24-y11.24-x10.25*-y10.24*	CCTACGGTGTCTCAATGTAGTGCACACGCGGGACGAGCCCGGA	T5
T_11.25	x11.25-y11.25-x10.26*-y10.25*	CGTCAAGGCCCTTCCCTTGGTGAAGTCTAGACGCGGTGGCA	T5
T_11.26	x11.26-y11.26-x10.27*-y10.26*	CACAACTAGCTCAGACCAATGTAATAAGCGAAGCCATAAGA	T5
T_11.27	x11.27-y11.27-x10.28*-y10.27*	CGTTTCCGTTCTTAAGATTTGCACCATCCGACGACGCGCAA	T5
T_11.28	x11.28-y11.28-x10.29*-y10.28*	CGGGAAGTGCTTCGCGTGTGATGGGATAGACGCGTCCGCA	T5
T_11.29	x11.29-y11.29-x10.30*-y10.29*	CCGTACCTATCTTATCTCAGTGGACGGACGGATATTCCTTGA	T5
T_11.30	x11.30-y11.30-x10.31*-y10.30*	CTGTTGACGGCTCCGGGCACTGGAGATAGCGATGGTCCGGTA	T5
T_11.31	x11.31-y11.31-x10.32*-y10.31*	CTAACCTACTCTGCGTTAATGTCATAGCGGAACGGAACGCA	T5
T_11.32	x11.32-y11.32-x10.33*-y10.32*	CGTATAGGAGCTTATGTTCTGTCGCATCAACGAATGACAAAGA	T5
T_11.33	x11.33-y11.33-x10.34*-y10.33*	CACATAACTTCTTCGGGTATTGTGTTAATCGATACGCGCTAA	T5
T_11.34	x11.34-y11.34-x10.35*-y10.34*	CCGATAAGTCTTGACGGTTGTGTCCTGTAGAAAAGAGTATA	T5
T_11.35	x11.35-y11.35-x10.36*-y10.35*	CGCGAACAGACTTTTCATAGTTGTGGTTCGACGACGCGCTGAAA	T5
T_11.36	x11.36-y11.36-x10.37*-y10.36*	CATAAACTCTCTCGGACAGTTGGAATGAGGGACCTTGCAGCA	T5
T_11.37	x11.37-y11.37-x10.38*-y10.37*	CCGATCTTCCCTAAAGACGATGTGTCACGAGGTGAGGGTA	T5
T_11.38	x11.38-y11.38-x10.39*-y10.38*	CAATGCTTACCTCGTAGCCATGTACGCGCGGATGTCGCTTCA	T5;R7
T_11.39	x11.39-y11.39-x10.40*-y10.39*	CACGAATGCCCTGGATGTTATGGTACGTCGACGTAATGTGA	T5;R7
T_11.40	x11.40-y11.40-x10.41*-y10.40*	CGTTTCCGCTCTAGCAATAGTGTGCTGTTCCGACCTGTTCTAA	T5;R7
T_11.41	x11.41-y11.41-x10.42*-y10.41*	CTTGTCTGTCTGCCATTGCTGTTAGCGATGAAGAAAGTGA	T5;R7
T_11.42	x11.42-y11.42-x10.43*-y10.42*	CGGAACCTGACTTAGCGTAGTGTGGGTAATGATTTGCTACTA	T5;R7
T_11.43	x11.43-y11.43-x10.44*-y10.43*	CGGACTAGGCTGGCGTCCGTTGATACCGGGAACGCGCGATA	T5;R7
T_11.44	x11.44-y11.44-x10.45*-y10.44*	CAAGAGGCTACTGTTGCGGGTGAAGCATAGGAGGGCCGTATA	T5;R7
T_11.45	x11.45-y11.45-x10.46*-y10.45*	CCTGCTAGAACTCTGTCAAGTGAAGTATGCGAGATTTGGGCA	T5;R7
T_11.46	x11.46-y11.46-x10.47*-y10.46*	CCCATCTACGCTAGATACGCTGGTGTCCACGACGGGTTTCGA	T5;R7
T_11.47	x11.47-y11.47-x10.48*-y10.47*	CCCAATCGCCCTGAGTCTGTGATGCAGCCGACAGCCTGTGA	T5;R7
T_11.48	x11.48-y11.48-x10.49*-y10.48*	CAAAGATAACCTACTAGCTATGTGCAGACAGAATCTGTCCAA	T5;R7
T_11.49	x11.49-y11.49-x10.50*-y10.49*	CCTTGATGGTCTCTGATTCTGATGATCAAGCGAATACGGACCA	T5;R7
T_11.50	x11.50-y11.50-x10.51*-y10.50*	CTTTCATGGACTGTCAATTAAGTTCAGAGGATGTTCCAAGA	T5;R7
T_11.51	x11.51-y11.51-x10.52*-y10.51*	CGTTAAGTCACTTTAAACGGTGGCAAACCGGAAGGGCATTGA	T5;R7
T_11.52	x11.52-y11.52-x10.53*-y10.52*	CTGACCATACTATGGTTCGTGACGTCCTTGACTCCTGGACA	T5;R7
T_11.53	x11.53-y11.53-x10.54*-y10.53*	CGCAGAACACCTTGTATGTGTGCGCCTGCAGATGCGAAGAAA	T5;R7
T_11.54	x11.54-y11.54-x10.55*-y10.54*	CGGGCTATTACTAAAGCCAATGGCCAAGGTGAGATCCCGCCA	T5;R7
T_11.55	x11.55-y11.55-x10.56*-y10.55*	CGGGCTAAAGCTTTAATCTATGAAGCGTCGATGCAAGCTTA	T5;R7
T_11.56	x11.56-y11.56-x10.57*-y10.56*	CCCTGTACGACTCGAATTCGCTGTTCTCCGCAATCGTCCGGA	T5;R7
T_11.57	x11.57-y11.57-x10.58*-y10.57*	CTGGGTAGCCCTTTAGGCAATGTTTACCAGGGATGGTGTGGGA	T5;R7
T_11.58	x11.58-y11.58-x10.59*-y10.58*	CGAATTGGCGCTGGTGGGTATGCGGCCTTTGAAATTTGATAA	T5
T_11.59	x11.59-y11.59-x10.60*-y10.59*	CTAGTTTATGCTTTATGCGTGAATCGGGAGACTTCGATAGA	T5
T_11.60	x11.60-y11.60-x10.61*-y10.60*	CCCACCTTGTCTGCAACGTTGGTCTTTCTGAACCCGCGGCA	T5
T_11.61	x11.61-y11.61-x10.62*-y10.61*	CAATATGTTGCTGGATTCCGGTGTGCGAGCTAGAATCCGGTGA	T5
T_11.62	x11.62-y11.62-x10.63*-y10.62*	CGGTCTATTGCTCTGGACATGCGGAGTTGGACCCGAGGCA	T5
T_11.63	x11.63-y11.63-x10.64*-y10.63*	CTTACGAGCCCTTCTTGGCGTGAGGAAATAGACAGAGCTAGA	T5
T_11.64	x11.64-y11.64-x10.65*-y10.64*	CGCCTGGGTTCTGGCATGATTGAGCCGAGGGACCCAGGATA	T5
T_11.65	x11.65-y11.65-x10.66*-y10.65*	CTATTGATTCCTGTCTGTATGAATCGTTTGTATTGCAAGCA	T5

Seq_ID	Domains	Sequence	Used in
T_11.66	x11.66-y11.66-x10.67*-y10.66*	CGCCGAAACGCTGGGTTTCGATGCCATTCCGAGTATGGGCGA	T5
T_11.67	x11.67-y11.67-x10.68*-y10.67*	CTAAATATACCTGTTAAGCGGTGAACATGAGATATCATGAGA	T5
T_11.68	x11.68-y11.68-x10.69*-y10.68*	CCTGTTGGCCCTACACGTAAGCAAGCACTGATAACTGCGCA	T5
T_11.69	x11.69-y11.69-x10.70*-y10.69*	CGGTAGCTGACTCGCGCGGTTGCGGCCAGGGAAGGCAGACTA	T5
T_11.70	x11.70-y11.70-x10.71*-y10.70*	CGTAATCTCTCTGACTTACATGATTCGCCGGAAACGCTCTGGA	T5
T_11.71	x11.71-y11.71-x10.72*-y10.71*	CCTTACAGATCTTCCGGCACTGTTTCCCTATGATTTGTGACAA	T5
T_11.72	x11.72-y11.72-x10.73*-y10.72*	CTGTACCGGACTCAATCAAAATGGGCGGATTGACAAGTTCCAA	T5
T_11.73	x11.73-y11.73-x10.74*-y10.73*	CGCGTGGGATCTTGGTCACTGCGGTAATGAGCCACTTCAA	T5
T_11.74	x11.74-y11.74-x10.75*-y10.74*	CCAATTACGGCTAGTCTCGGTGTATAATACGAACAGTCCCTA	T5
T_11.75	x11.75-y11.75-x10.76*-y10.75*	CAAGCATGGTCTCGAGATCTTGACTAAATGGATTACTGCAGA	T5;R7
T_11.76	x11.76-y11.76-x10.77*-y10.76*	CAACTTCATTCTCAGTGCCTGCCACTAATGACAATAGCTAA	T5;R7
T_11.77	x11.77-y11.77-x10.78*-y10.77*	CGGGCTTTACCTGCATGCTATGCCCGGGTAGAATCTCTCCAA	T5;R7
T_11.78	x11.78-y11.78-x10.79*-y10.78*	CGCCCGCCCACTGTCAACGGTGGTCTGGCAGATAGGCGCGAA	T5;R7
T_11.79	x11.79-y11.79-x10.80*-y10.79*	CTTGATCGGGCTTTCGAACCTGGCTTCTGCGAACGAGAATGA	T5;R7
T_11.80	x11.80-y11.80-x10.81*-y10.80*	CTTCCATCCGCTTCTGAGCTGCACAGTGGGATCGGTGAATA	T5;R7
T_11.81	x11.81-y11.81-x10.82*-y10.81*	CGGGCGGTGACTGATAAGTATGCCAGGTCCGATCTCTGTTGA	T5;R7
T_11.82	x11.82-y11.82-x10.83*-y10.82*	CTTCTGACTTCTCGGTAAAGTGAAGCCCTGATAATGTTCCA	T5;R7
T_11.83	x11.83-y11.83-x10.84*-y10.83*	CCTTGCTAACCTTCCGCGGGTGTGAGACGAATAGGAGTAA	T5;R7
T_11.84	x11.84-y11.84-x10.85*-y10.84*	CTTCCGATGACTGGATTAACCTGCTGCCACTGACCGCTTGCA	T5;R7
T_11.85	x11.85-y11.85-x10.86*-y10.85*	CCCTGTCTCCTTTAACCGGTGTGAACCCGGATTGGAAGTAA	T5;R7
T_11.86	x11.86-y11.86-x10.87*-y10.86*	CTCAAAGGTGCTTAGGATGATGTTCAAAGGGAGCGAGATTGA	T5;R7
T_11.87	x11.87-y11.87-x10.88*-y10.87*	CGTCGCTACTCTCGTGGACGTGAAGTGAAGCGAGGGAAGGTAA	T5;R7
T_11.88	x11.88-y11.88-x10.89*-y10.88*	CACCTTGTGAGCTTCTCCGACTGACAGTATGAAGAATTGGCA	T5;R7
T_12.1	T10-y12.1-x11.1*-T10	TTTTTTTTTTTTGGGAGGGCGTGTAAAGTTGCGTTTTTTTTTT	T5;R7
T_12.2	x12.2-y12.2-x11.2*-y11.1*	CTTTCGAAGCTTTCGGTCCATGACAAACATGGACCCTTGCCA	T5;R7
T_12.3	x12.3-y12.3-x11.3*-y11.2*	CAAACGCGAGCTCTAACACCTGAGGATCTATGATGTAATAAA	T5;R7
T_12.4	x12.4-y12.4-x11.4*-y11.3*	CTACGACGGCTAACATGTCTCTGTCAGACGGGAAGGAGGTTA	T5;R7
T_12.5	x12.5-y12.5-x11.5*-y11.4*	CCACTTACCCTAGTCTCTCATGAGAGAGCCCGAACCTTAGCGA	T5;R7
T_12.6	x12.6-y12.6-x11.6*-y11.5*	CTGTATGACTTCCGCTCCATGAGCTTGCCCGGATGCAACCTA	T5;R7
T_12.7	x12.7-y12.7-x11.7*-y11.6*	CTAGCCATTCTAGTATAACGTGAACATGACGGACTATAGACA	T5;R7
T_12.8	x12.8-y12.8-x11.8*-y11.7*	CTATCGGGCTAACCGTTAATGGCGTAGTTTGTATGATCTCAA	T5;R7
T_12.9	x12.9-y12.9-x11.9*-y11.8*	CCCTGACAACATCATGGCTTGTACAGTCCCGAATATGAGCA	T5;R7
T_12.10	x12.10-y12.10-x11.10*-y11.9*	CCCTGCGCTCTGGCCGCGAGTGTGGCCAGGAAGGTTAGGA	T5;R7
T_12.11	x12.11-y12.11-x11.11*-y11.10*	CGGCATAGGCTCGGATAAAGTGGCGCCCGAGGATGTTGCGA	T5;R7
T_12.12	x12.12-y12.12-x11.12*-y11.11*	CTGATGACTTCTTAAGCCCTGATTAACCGGAGCGCGTGTGA	T5;R7
T_12.13	x12.13-y12.13-x11.13*-y11.12*	CGTGGCGGGCTCGGAATAAATGCGGTTACC GGATCAACTATA	T5;R7
T_12.14	x12.14-y12.14-x11.14*-y11.13*	CCTAGCTTCTCTGACGCTACTGTTCTTGTGAGAGGGAACATA	T5;R7
T_12.15	x12.15-y12.15-x11.15*-y11.14*	CATCTTGTACTGACGAATAATGATTTACAACGACTTTATTA	T5;R7
T_12.16	x12.16-y12.16-x11.16*-y11.15*	CCTTTCCCACTTGCAACCCTGTGACCATTTCGAGGAATGGTA	T5;R7
T_12.17	x12.17-y12.17-x11.17*-y11.16*	CCAGGGCTACTCAGCCAGGTGATCCAGCTAGATTGGTTCTGA	T5;R7
T_12.18	x12.18-y12.18-x11.18*-y11.17*	CATTGTAGCTGGAGTAGCGTGTGGCCCGTGATATATGACA	T5;R7
T_12.19	x12.19-y12.19-x11.19*-y11.18*	CATTGATGCTCTTTAGCAGCTGAACTCGTAGGAAGCAACAA	T5;R7
T_12.20	x12.20-y12.20-x11.20*-y11.19*	CCCTGGTGCCTGCCTGTGCGTGTGTAGAATAGACGCCTCCTA	T5;R7
T_12.21	x12.21-y12.21-x11.21*-y11.20*	CATCGACTTCTTATGTGCGGTGCGCCTTTGGGATGACGACGA	T5;R7
T_12.22	x12.22-y12.22-x11.22*-y11.21*	CCTTGAGGCCCTTTCAGCGTTCGCGCTCCGAGATGTCTGGAA	T5
T_12.23	x12.23-y12.23-x11.23*-y11.22*	CGACGCTACCTGCCGATCCATGACGTGGTTCAGAGACAGGGAA	T5
T_12.24	x12.24-y12.24-x11.24*-y11.23*	CTCGGCGAGCTGGAAGGCACTGACACCCTAGGATGACCGGAA	T5
T_12.25	x12.25-y12.25-x11.25*-y11.24*	CGACAGGCACTTCAGGGAACCTGGCCCTTGACGACTACATTGA	T5
T_12.26	x12.26-y12.26-x11.26*-y11.25*	CTGAGCTGACTGGGTAGGTTTGTAGTTTGTGACCAAGGGAA	T5
T_12.27	x12.27-y12.27-x11.27*-y11.26*	CAAGTCTTCTCTCTACGGTGAACGGAAACGATTGGTCTGA	T5
T_12.28	x12.28-y12.28-x11.28*-y11.27*	CCGCAAGAGCTCTGCAAGTTTGCACTTTCCCGAAATCTTAGA	T5
T_12.29	x12.29-y12.29-x11.29*-y11.28*	CTATTTGACCTCAATTTGTATGATAGGTACGGAGCACGCGAA	T5
T_12.30	x12.30-y12.30-x11.30*-y11.29*	CGACGTTACCTCATTTGGACGTGCCGTTAACAAGACTGAGATAA	T5
T_12.31	x12.31-y12.31-x11.31*-y11.30*	CGCGATACCTGCTCCTGTCTGAGTAAAGTTAGAGTGCCTCGGA	T5
T_12.32	x12.32-y12.32-x11.32*-y11.31*	CCACCCGCGCTATGATATATTGCTCCTATACGAATTAACGCA	T5
T_12.33	x12.33-y12.33-x11.33*-y11.32*	CATTTCTCCCTGGGTTGGTATGAAGTTATGTGACGAACATAA	T5
T_12.34	x12.34-y12.34-x11.34*-y11.33*	CCCTGGCTCCTTGGCAATCTGGACTTATCGGAATACCGGAA	T5
T_12.35	x12.35-y12.35-x11.35*-y11.34*	CATCACAGACTTACAGCCATTGTCTGTTCCGGACAAACCGTCA	T5
T_12.36	x12.36-y12.36-x11.36*-y11.35*	CTCGGGTCTTCTCTCTTATGAGAGTTTATGAACTATGAAA	T5
T_12.37	x12.37-y12.37-x11.37*-y11.36*	CGTGTACTCTGGGCTGGCATGGAAGAATCGGAACCTGTCGGA	T5
T_12.38	x12.38-y12.38-x11.38*-y11.37*	CCGGTCTAACTATGGATCATTTGGTAAAGCATTTGATCGTCTTTA	T5
T_12.39	x12.39-y12.39-x11.39*-y11.38*	CTGATTTATCTTTATTTTCATTTGGGCATTCGTGATGGCTACGA	T5;R7
T_12.40	x12.40-y12.40-x11.40*-y11.39*	CCCTATGTACTGAATGGAAGTGGAGCGAAACGATAACATCCA	T5;R7

Seq_ID	Domains	Sequence	Used in
T_12.41	x12.41-y12.41-x11.41*-y11.40*	CTTTGCACCCTGCGGCACCCTGGACAGACAAGACTATTGCTA	T5;R7
T_12.42	x12.42-y12.42-x11.42*-y11.41*	CGCCAACGGCTGACTGACAGTGTCAAGTTCGGAGCAATGGCA	T5;R7
T_12.43	x12.43-y12.43-x11.43*-y11.42*	CTCAACACACTCAAGCCGAGTGGCCTAGTCCGACTACGCTAA	T5;R7
T_12.44	x12.44-y12.44-x11.44*-y11.43*	CAACGCCTTCTAGCTGTTGATGTACCCTCTTGACGGACGCCA	T5;R7
T_12.45	x12.45-y12.45-x11.45*-y11.44*	CATTATTTGGCTCACTGCATATGTTCTAGCAGGACCCGCAACA	T5;R7
T_12.46	x12.46-y12.46-x11.46*-y11.45*	CGCTAAGAACTCACGTATGATGCGTAGATGGGACTTGACAGA	T5;R7
T_12.47	x12.47-y12.47-x11.47*-y11.46*	CCCGGGCGCCTAGAGTTCGTTGGGCGGATTGGGAGCGTATCTA	T5;R7
T_12.48	x12.48-y12.48-x11.48*-y11.47*	CACTCCGGCCTAAGATAATATGGTTATCTTTTGACACGACTCA	T5;R7
T_12.49	x12.49-y12.49-x11.49*-y11.48*	CCAGTGTACTCAACGGATTTGACCATCAAGGATAGCTAGTA	T5;R7
T_12.50	x12.50-y12.50-x11.50*-y11.49*	CCGGCTGGCCTAGTAAGACATGTCCATGAAAGACGAATCAGA	T5;R7
T_12.51	x12.51-y12.51-x11.51*-y11.50*	CGGAGCCCGCTGGAACACCTGTGACTTAACGATAATTGACA	T5;R7
T_12.52	x12.52-y12.52-x11.52*-y11.51*	CGCAAGCGGCTTTGATAGTCTGTATCGGTGACACCGTTTAAA	T5;R7
T_12.53	x12.53-y12.53-x11.53*-y11.52*	CTCTTCGATCTTCTCTTGGTGGTGTCTGCGACGAACCATA	T5;R7
T_12.54	x12.54-y12.54-x11.54*-y11.53*	CGGTGGCGACTACGATTACGTGTAATAGCCCGACACATACAA	T5;R7
T_12.55	x12.55-y12.55-x11.55*-y11.54*	CTCAGGTACCTGTTGATAGTTGCTTTAGCCCGATTGGCTTTA	T5;R7
T_12.56	x12.56-y12.56-x11.56*-y11.55*	CGTATCCGCTGTCCAGCGTTGCTGCTACAGGGATAGATTAAA	T5;R7
T_12.57	x12.57-y12.57-x11.57*-y11.56*	CTAACGAACCTTCTATGTAGTGGGCTACCAGAGCGAATCGA	T5;R7
T_12.58	x12.58-y12.58-x11.58*-y11.57*	CTAGATGTTCTCTGAGAGCTTGGCCCAATTCGATTGCCATAAA	T5;R7
T_12.59	x12.59-y12.59-x11.59*-y11.58*	CCGCTCCAACATATATAAATTTGCATAAACATAGATACCCACCA	T5
T_12.60	x12.60-y12.60-x11.60*-y11.59*	CAGATTAGCCTACACTGGCCTGACAGGTTGGGAACGCATAAA	T5
T_12.61	x12.61-y12.61-x11.61*-y11.60*	CCGTCTCTCCTCTAATGTCTGCAACATATTGAACGTTTGCA	T5
T_12.62	x12.62-y12.62-x11.62*-y11.61*	CATTTCGACTTACAAAGGTTGCAATAGACCGACCGAATCCA	T5
T_12.63	x12.63-y12.63-x11.63*-y11.62*	CTTAGTTTCGCTATATAGACATGGCTCCTGGAAGATTGGTCCAGA	T5
T_12.64	x12.64-y12.64-x11.64*-y11.63*	CCCGTGGGCTAGTACTCAGTGAACCCAGGCGACGCCAAGAA	T5
T_12.65	x12.65-y12.65-x11.65*-y11.64*	CCACGAAACCTAGTACCGCCTGGAATCAATAGAATCATGCCA	T5
T_12.66	x12.66-y12.66-x11.66*-y11.65*	CGGGTGGCCTAAAGGAGTATGCGTTTCGGCGATACAAGACA	T5
T_12.67	x12.67-y12.67-x11.67*-y11.66*	CTCCACTGCCTACACCATGCTGGTATATTTAGATCGAACCCA	T5
T_12.68	x12.68-y12.68-x11.68*-y11.67*	CAGAGCACACTACTATCACCTGGCGCAACAGGACGCTTAAAC	T5
T_12.69	x12.69-y12.69-x11.69*-y11.68*	CGAGGTTGGCTTATCTTCGCTGCTCAGCTACCGAGTACGTGTA	T5
T_12.70	x12.70-y12.70-x11.70*-y11.69*	CGCAGTTCACCTTACACATTTGAGAGATTACGAACCCGCGCA	T5
T_12.71	x12.71-y12.71-x11.71*-y11.70*	CGGACGTTACTCGAGAAATATGATCTGTAAGGATGTAAGTCA	T5
T_12.72	x12.72-y12.72-x11.72*-y11.71*	CACCGTGCCCTTCGCTGCCTTGTCCGGTACAGAGTGCCGGAA	T5
T_12.73	x12.73-y12.73-x11.73*-y11.72*	CTTTGCATCCTCTCCTTAGCTGATCCACCGGATTTGATGTA	T5
T_12.74	x12.74-y12.74-x11.74*-y11.73*	CGGCTGTCACTTGGATCACATGGCCTAATTTGGAGGTGACCAA	T5
T_12.75	x12.75-y12.75-x11.75*-y11.74*	CTCTTAGACCTCCAACCTTCGTGACCATGCTTACCCGAGACTA	T5
T_12.76	x12.76-y12.76-x11.76*-y11.75*	CGTACGCGACTTGGCAGTCTGAAATGAAGTTGAAGATCTCGA	T5;R7
T_12.77	x12.77-y12.77-x11.77*-y11.76*	CTGGCCTAGCTTATAGTGCATGGTAAAGCCCGAGGGCACTGA	T5;R7
T_12.78	x12.78-y12.78-x11.78*-y11.77*	CAACATAGTCTACTCAAATCTGTGGGCGGGCGATAGCATGCA	T5;R7
T_12.79	x12.79-y12.79-x11.79*-y11.78*	CCAAGTTCCTCTCTAGCGCTGCCGATCAAGACCGTTGACA	T5;R7
T_12.80	x12.80-y12.80-x11.80*-y11.79*	CGTGTAAACGCTCGCTGCACCTGCGGATGGAAGAGGTTGAAA	T5;R7
T_12.81	x12.81-y12.81-x11.81*-y11.80*	CGCTCTTTCCTCAGCTTAGTGTCAACCGCCGAGCTCAGGAA	T5;R7
T_12.82	x12.82-y12.82-x11.82*-y11.81*	CGCTCGGGACTCAGTATCGTTGAAGTCAGAAGATACTTATCA	T5;R7
T_12.83	x12.83-y12.83-x11.83*-y11.82*	CGCGCCGACTTTAGGGTCTGGTTAGCAAGGACTTTACCGA	T5;R7
T_12.84	x12.84-y12.84-x11.84*-y11.83*	CTACGCGAACTTCAGAATGCTGTCAATCGGAAGACCCGCGGAA	T5;R7
T_12.85	x12.85-y12.85-x11.85*-y11.84*	CCATGAACTCTTAGCCATCGTGGAGAACAGGGAGTTAATCCA	T5;R7
T_12.86	x12.86-y12.86-x11.86*-y11.85*	CTCTGCAACCTGAGCGATAATGCACCTTGGAGACCCGTTAAA	T5;R7
T_12.87	x12.87-y12.87-x11.87*-y11.86*	CTTTGTGGACTGTTTGGTACTGGTAGGCGACGATCATCTTAA	T5;R7
T_12.88	x12.88-y12.88-x11.88*-y11.87*	CCAGTGTCCCTATACATAATAGCTCACAAAGTGACGTCCACGA	T5;R7
T_3.89T	x3.89-T10-T10-y2.89*	CCCATCTCGACTTTTTTTTTTTTTTTTTTTTTTAAATAGCCGGGA	T5
T_5.89T	x5.89-T10-T10-y4.89*	CAACACTGCACCTTTTTTTTTTTTTTTTTTTTACTCTGTTAAA	T5
T_7.89T	x7.89-T10-T10-y6.89*	CCCTTACTTGCTTTTTTTTTTTTTTTTTTTTTTACACTAAAGCA	T5
T_9.89T	x9.89-T10-T10-y8.89*	CAAGGGACGCCTTTTTTTTTTTTTTTTTTTTTTAAACGGTTCGCA	T5
T_11.89T	x11.89-T10-T10-y10.89*	CGAGACAGGCCCTTTTTTTTTTTTTTTTTTTTTTATTTAAGGGAA	T5
T_13.89T	x1.89-T10-T10-y12.89*	CCCGAAGGCTTTTTTTTTTTTTTTTTTTTTTTAGGGTCGATGA	T5

Seq_ID	Domains	Sequence	Used in
TR_1.1	x1.1-y1.1	CCGTGGTCCCTTAATCACCGT	R7
TR_1.2	x1.2-y1.2	CCTAGCTATTCTAGTCGGTAT	R7
TR_1.3	x1.3-y1.3	CTTACACACCCTAAGCGCTGT	R7
TR_1.4	x1.4-y1.4	CCAGCTATTGCTGTACTGTAT	R7
TR_1.5	x1.5-y1.5	CTACGATGCTCTCGGATTCT	R7
TR_1.6	x1.6-y1.6	CTAGCCCGGACTGTAGAGTCT	R7
TR_1.7	x1.7-y1.7	CCGCGATATTCTACCCGCTTT	R7
TR_1.8	x1.8-y1.8	CCATAACTTGCTGTCTGGCT	R7
TR_1.9	x1.9-y1.9	CGGTGACCATCTAGTCCTAAT	R7
TR_1.10	x1.10-y1.10	CAATTACGGCTGTGTTTGT	R7
TR_1.11	x1.11-y1.11	CTGGGAGGCCCTCGTAGAACT	R7
TR_1.12	x1.12-y1.12	CAAGCTTATGCTTCCTTTGTT	R7
TR_1.13	x1.13-y1.13	CGCGCGCATCCTCCTATATAT	R7
TR_1.14	x1.14-y1.14	CGATAATACCCTGACATTGTT	R7
TR_1.15	x1.15-y1.15	CGCCGGGAAGCTCATAATGCT	R7
TR_1.16	x1.16-y1.16	CTGGCCATGCTGGGCGTTGT	R7
TR_1.17	x1.17-y1.17	CTTCGGCAGGCTAAGGGAGGT	R7
TR_1.18	x1.18-y1.18	CTTATTGTGTCTAGTAGTTAT	R7
TR_1.19	x1.19-y1.19	CAGTGCAGTACTTTGAGGGAT	R7
TR_1.20	x1.20-y1.20	CCTGTCCCGGCTGCCGGACAT	R7
TR_1.21	x1.21-T10	CTGACTAAACCTTTTTTTTTT	R7
TR_1.38	x1.38-y1.38-x12.2*-y12.1*	CCCGTCACGACTCCGACCCATGCTTCGAAAGACGCCCTCCCA	R7
TR_1.39	x1.39-y1.39-x12.3*-y12.2*	CCAGGTGTTCTGGGTGACGTGCTGCGTTTGTATGGACCGAAA	R7
TR_1.40	x1.40-y1.40-x12.4*-y12.3*	CATCGGTCCACTAGATGCGTGCCGTCGTAGAGGTGTTAGGA	R7
TR_1.41	x1.41-y1.41-x12.5*-y12.4*	CAAGGATAAACTATCACGGTTGGGTAAGTGGAGGACATGTTA	R7
TR_1.42	x1.42-y1.42-x12.6*-y12.5*	CTGTTGGATTCTAATCCGGATGTGCATACAGATGAAGGACTA	R7
TR_1.43	x1.43-y1.43-x12.7*-y12.6*	CTCTGTATGGCTAGTCGTGATGAATGGCTAGAATGGAGCGTA	R7
TR_1.44	x1.44-y1.44-x12.8*-y12.7*	CTATGTAGACTAACTAGAATGCCCGCATAGACGTTATACTA	R7
TR_1.45	x1.45-y1.45-x12.9*-y12.8*	CTTGGTACACCTAATTAGTATGTTGTCAGGGATTAACGGTTA	R7
TR_1.46	x1.46-y1.46-x12.10*-y12.9*	CTTAGCTAGACTTGTACTAATGACGGCAGGGAAGCCATGATA	R7
TR_1.47	x1.47-y1.47-x12.11*-y12.10*	CGGATGGCGGCTGGCCGTGTGCCTATGCCGACTCGCGGCCA	R7
TR_1.48	x1.48-y1.48-x12.12*-y12.11*	CCAATAGGGCCTTGCAGACCTGATGTTGCAGACTTTATCCGA	R7
TR_1.49	x1.49-y1.49-x12.13*-y12.12*	CTGGTGAATCTAAGATCGTTGCCCGCCACGAGGCCTTAGGA	R7
TR_1.50	x1.50-y1.50-x12.14*-y12.13*	CAATTTACTACTCGTCTAGTTGGAAGCTAGGATTTATCCGA	R7
TR_1.51	x1.51-y1.51-x12.15*-y12.14*	CTGTGTAGCTFCGGGAACGTGACAAGATGAGTATAGGCTGCA	R7
TR_1.52	x1.52-y1.52-x12.16*-y12.15*	CCACCTGGCCCTTACGCCCTGTGTTGGAAAGGATTATTCGTCA	R7
TR_1.53	x1.53-y1.53-x12.17*-y12.16*	CTCTGGGTGCTGTGCTACTTGTAGCCCTGGAGTGGTTGCAA	R7
TR_1.54	x1.54-y1.54-x12.18*-y12.17*	CACAACCCAGCTCGGAGAAATGCTAACAAATGACCTGGGCTGA	R7
TR_1.55	x1.55-y1.55-x12.19*-y12.18*	CTGCTTTCGCCTCACGTGCCATCAATGACGCTACTCCA	R7
TR_1.56	x1.56-y1.56-x12.20*-y12.19*	CTGCTTCTCACTTAAATCAGTGGCACCAGGGAACGTCCTAAA	R7
TR_1.57	x1.57-y1.57-x12.21*-y12.20*	CCAGCACCCGCTACCTTCTCTGAAGTFCATGACGCACAGGCA	R7
TR_1.58	x1.58-T10-T10-y12.21*	CGCCGATCGCTTTTTTTTTTTTTTTTTTTTACCCGACATAA	R7
TR_1.75	x1.75-y1.75-x12.39*-y12.38*	CAATCGAAGCCTTTATGGTCTGATAAATCAGAATGATCCATA	R7
TR_1.76	x1.76-y1.76-x12.40*-y12.39*	CTTCTAGGTACTAAGAGTCTGTACATAGGGAATGAAATAAA	R7
TR_1.77	x1.77-y1.77-x12.41*-y12.40*	CCCAGTTCGCCTGGTAGCGCTGGGTGCAAAGACTTCCATFCA	R7
TR_1.78	x1.78-y1.78-x12.42*-y12.41*	CATCCACCGCTACTCCGCTTGGCGTGGCGAGGGTGCCGCA	R7
TR_1.79	x1.79-y1.79-x12.43*-y12.42*	CCAATGGGAACCTCTATGGACTGTGTGTTGAGACTGTCAGTCA	R7
TR_1.80	x1.80-y1.80-x12.44*-y12.43*	CCTCGTCAAACCTCTTATAAGTGAAGGCGTTGACTCGGCTTGA	R7
TR_1.81	x1.81-y1.81-x12.45*-y12.44*	CTCGCGGACCCTAATGGCCGTGCCAATAATGATCAACAGCTA	R7
TR_1.82	x1.82-y1.82-x12.46*-y12.45*	CGAATTCGGTCTACCTAGACTGTTCTTAGCGATATGCAGTGA	R7
TR_1.83	x1.83-y1.83-x12.47*-y12.46*	CACCGTTAAACTCGGTACTTTGGCGCCCGGATCATACGTGA	R7
TR_1.84	x1.84-y1.84-x12.48*-y12.47*	CCGAGGCAAACCTTACTATACTGGCCGGAGTGAACGAACTCTA	R7
TR_1.85	x1.85-y1.85-x12.49*-y12.48*	CGAGAAAGCCCTTAGAAAATCTGTAACACTGGATATTATCTTA	R7
TR_1.86	x1.86-y1.86-x12.50*-y12.49*	CTTAGCTAGCTTTGTAATCTGGCCGAGCCGAAATCCGTTGA	R7
TR_1.87	x1.87-y1.87-x12.51*-y12.50*	CCTGCGTGACCTAGGAACCGTGGCGGCTCCGATGTCTTACTA	R7
TR_1.88	x1.88-y1.88-x12.52*-y12.51*	CTACGTTGACTTCCCTAAATGCCGCTTGGCAGGTGTTTCCA	R7
TR_1.89	x1.89-y1.89-x12.53*-y12.52*	CCCGGAAGGTCTCGAACATCTGATCGAAGAGAGACTATCAAA	R7
TR_1.90	x1.90-y1.90-x12.54*-y12.53*	CTCAGATGGCCTAATGTACTTGTGCGCCACCGACCCAAGAGAA	R7
TR_1.91	x1.91-y1.91-x12.55*-y12.54*	CTCTACTAACCTGCTTCTGTGGTACCTGAGACGTAATCGTA	R7
TR_1.92	x1.92-y1.92-x12.56*-y12.55*	CCATAGCGCCCTTAAGTTTCTGACGATCAACGATCAACA	R7
TR_1.93	x1.93-y1.93-x12.57*-y12.56*	CGTGTTAATCTTTAAAGGTTGCTGTTGTTAGAACCCTGGACA	R7
TR_1.94	x1.94-y1.94-x12.58*-y12.57*	CCTCGTAGGGCTTGTGCCGTTGAACATCTAGACTACATAGAA	R7
TR_1.95	x1.95-T10-T10-y12.58*	CTGGTTATTCCTTTTTTTTTTTTTTTTTTTTAAAGCTCTCAGA	R7

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TR_13.75	x12.76*-y12.75*	GTCGCGTACGACGAAGTTGGA	R7
TR_13.76	x12.77*-y12.76*	GCTAGGCCAGACGACTGCCAA	R7
TR_13.77	x12.78*-y12.77*	GACTATGTTGATGCACTATAA	R7
TR_13.78	x12.79*-y12.78*	GGAACTTGGAGATTGAGTA	R7
TR_13.79	x12.80*-y12.79*	GCGTTACACGAGCGCTAGAGA	R7
TR_13.80	x12.81*-y12.80*	GGAAAGAGCGAGGTGCAGCGA	R7
TR_13.81	x12.82*-y12.81*	GTCCCAGCGACTAAGCGTGA	R7
TR_13.82	x12.83*-y12.82*	GTCGGGCGCAACGATACTGA	R7
TR_13.83	x12.84*-y12.83*	GTTCCGCTAGACGACCCTAAA	R7
TR_13.84	x12.85*-y12.84*	GAGTTCATGGAGCATCTGAA	R7
TR_13.85	x12.86*-y12.85*	GGTTGCAGAGACGATGGCTAA	R7
TR_13.86	x12.87*-y12.86*	GTCCACAAAGATTATCGCTCA	R7
TR_13.87	x12.88*-y12.87*	GGGACACTGGAGTACCAAACA	R7
TR_13.88	x12.89*-y12.88*	GAATCAAGGGATATTAGTATA	R7
TR_13.89	x12.90*-y12.89*	GTATAATCCGAGGGTCGATGA	R7
TR_13.90	x12.91*-y12.90*	GATCATGACGATAAATGATA	R7
TR_13.91	x12.92*-y12.91*	GCATTATACGAGCCGTATAA	R7
TR_13.92	x12.93*-y12.92*	GTATAGTCTGACTGCTTCTAA	R7
TR_13.93	x12.94*-y12.93*	GGCGTACTGACCGTCCGCTA	R7
TR_13.94	x12.95*-y12.94*	GGTTTGGGAGACGTTCCATTA	R7
TR_13.95	T10-y12.95*	TTTTTTTTTTATCGTGCGCGA	R7
TR_2.38	T10-y2.38-x1.38*-T10	TTTTTTTTTTTGTGATGTAACCTGGCTTCGATTGTTTTTTTTTT	R7
TR_4.38	T10-y4.38-x3.38*-T10	TTTTTTTTTTTGTAGACCCCTGACTCCTTCGGTTTTTTTTTTT	R7
TR_6.38	T10-y6.38-x5.38*-T10	TTTTTTTTTTTGTAGGTTGCGATGGAGCCCTCGGTTTTTTTTTTT	R7
TR_8.38	T10-y8.38-x7.38*-T10	TTTTTTTTTTTGTAGCATACGCTGTAATGTATGTTTTTTTTTTT	R7
TR_10.38	T10-y10.38-x9.38*-T10	TTTTTTTTTTTCTGCAGTAATGCGTTACCCAGTTTTTTTTTTT	R7
TR_12.38	T10-y12.38-x11.38*-T10	TTTTTTTTTTTCCAACTTCGTGACCATGCTTGTTTTTTTTTTTT	R7
TR_2.75	T10-y2.75-x1.75*-T10	TTTTTTTTTTTGTAGAAAGTTATGACCGGGCTGTTTTTTTTTTT	R7
TR_4.75	T10-y4.75-x3.75*-T10	TTTTTTTTTTTGTGCTGATACATGTGTAATATGTTTTTTTTTTT	R7
TR_6.75	T10-y6.75-x5.75*-T10	TTTTTTTTTTTTCGACGTGTATGTTGGGAACAGTTTTTTTTTTT	R7
TR_8.75	T10-y8.75-x7.75*-T10	TTTTTTTTTTTTCAGGGCTAATGACCCGAGAAGTTTTTTTTTTT	R7
TR_10.75	T10-y10.75-x9.75*-T10	TTTTTTTTTTTGTGCACGCACGACAGATCAGTTTTTTTTTTT	R7
TR_12.75	T10-y12.75-x11.75*-T10	TTTTTTTTTTTTCCTCGCCTGTGCAAGAAAGTTTTTTTTTTT	R7
TR_3.21	x3.21-T10-T10-y2.21*	CCTGGAACGGCTTTTTTTTTTTTTTTTTTTTACGTTGCACCA	R7
TR_5.21	x5.21-T10-T10-y4.21*	CAACGAAATCCTTTTTTTTTTTTTTTTTTTTACCTGACCCTAA	R7
TR_7.21	x7.21-T10-T10-y6.21*	CTAATACCTGGCTTTTTTTTTTTTTTTTTTTTATGGCCCTCTA	R7
TR_9.21	x9.21-T10-T10-y8.21*	CTAGGCCTACCTTTTTTTTTTTTTTTTTTTTACCGATATTGA	R7
TR_11.21	x11.21-T10-T10-y10.21*	CCCAAAGGCGCTTTTTTTTTTTTTTTTTTTTATTTGCTTGTA	R7
TR_3.58	x3.58-T10-T10-y2.58*	CGAATCTGATCTTTTTTTTTTTTTTTTTTTTATTCTTACTTA	R7
TR_5.58	x5.58-T10-T10-y4.58*	CGTGTGAGACCTTTTTTTTTTTTTTTTTTTTACTACCGGGTA	R7
TR_7.58	x7.58-T10-T10-y6.58*	CCAGGTTGCTCTTTTTTTTTTTTTTTTTTTTATTGGACAGCA	R7
TR_9.58	x9.58-T10-T10-y8.58*	CCTAAGACTCTTTTTTTTTTTTTTTTTTTTAACTCCAAA	R7
TR_11.58	x11.58-T10-T10-y10.58*	CGAATGGCGCTTTTTTTTTTTTTTTTTTTTAAATTTGATAA	R7
TR_3.95	x3.95-T10-T10-y2.95*	CGGATATTACCTTTTTTTTTTTTTTTTTTTTAAATAGCCACAA	R7
TR_5.95	x5.95-T10-T10-y4.95*	CGCATTATCACTTTTTTTTTTTTTTTTTTTTACTGAATGTTA	R7
TR_7.95	x7.95-T10-T10-y6.95*	CCGGACTTCGCTTTTTTTTTTTTTTTTTTTTACCATTGATGA	R7
TR_9.95	x9.95-T10-T10-y8.95*	CATCTCTGCCCTTTTTTTTTTTTTTTTTTTTATGACCTTTGA	R7
TR_11.95	x11.95-T10-T10-y10.95*	CGCGTGGCACCTTTTTTTTTTTTTTTTTTTTACTATTAGGCA	R7
TR_2.89	x2.89-y2.89-x1.89*-y1.88*	CTATAGTGTCTCCCGCTATTGACCTTCCGGGATTTAGGGAA	R7
TR_2.90	x2.90-y2.90-x1.90*-y1.89*	CCATCTATCCTACACGGTGGTGGCCATCTGAGAGATGTTTCA	R7
TR_2.91	x2.91-y2.91-x1.91*-y1.90*	CTATGCAGCCTGCCCTGGTCTGGTTAGTAGAGAAGTACATTA	R7
TR_2.92	x2.92-y2.92-x1.92*-y1.91*	CCCAGTCACTGATCTCGATGGCCGCTATGGACAGGAAGCA	R7
TR_2.93	x2.93-y2.93-x1.93*-y1.92*	CCCAGGCACCTTCTCTCTATGAATTAACACGAGAACTTAA	R7
TR_2.94	x2.94-y2.94-x1.94*-y1.93*	CATTCGCAGCTGAAGGCTGCTGCCCTCAGGAGACCTTTAAA	R7
TR_2.95	x2.95-y2.95-x1.95*-y1.94*	CTTGTCTTCTTGTGGCTATTGGAATAACAGACGGGCACAA	R7
TR_3.89	x3.89-y3.89-x2.90*-y2.89*	CCCATCTGACTACCTTGGTTGGATAGATGGAATAGCCGGGA	R7
TR_3.90	x3.90-y3.90-x2.91*-y2.90*	CCGAAAGCTCTCCGCCACTTGGCTGCATAGACCACCGTGTA	R7
TR_3.91	x3.91-y3.91-x2.92*-y2.91*	CTTTATCGCGCTCGTTGTGGTGGTACTGGGAGACCAGGGCA	R7
TR_3.92	x3.92-y3.92-x2.93*-y2.92*	CAACCTCCGGCTTCGTGGCCTGTGCCCTCGGGATCGAGGATCA	R7
TR_3.93	x3.93-y3.93-x2.94*-y2.93*	CCATACTCGGCTGCTATCAATGCTGCGCAATGATAGAGAGAAA	R7
TR_3.94	x3.94-y3.94-x2.95*-y2.94*	CTTCGAAATCTCCGCTATTTGAAAGACAAGAGCAGCCTTCA	R7
TR_4.89	x4.89-y4.89-x3.89*-y3.88*	CCGGGCGAACTTAAACAGAGTGTGAGATGGGAATACTTAGA	R7
TR_4.90	x4.90-y4.90-x3.90*-y3.89*	CTGCATAGTCTTTCAGTATGAGCTTCCGGAACCGGGTA	R7

Seq_ID	Domains	Sequence	Used in
TR_4.91	x4.91-y4.91-x3.91*-y3.90*	CCGTATCCGCTTTCCTTAATTGCCGCGATAAAGAAGTGGCGGA	R7
TR_4.92	x4.92-y4.92-x3.92*-y3.91*	CTCCCGCGGTCTATATTTGGCTTGCCCGGAGGTTGACCACAACGA	R7
TR_4.93	x4.93-y4.93-x3.93*-y3.92*	CGTAGCGCACATGACTTTATGCCGATTATGGAGGCCACGAA	R7
TR_4.94	x4.94-y4.94-x3.94*-y3.93*	CACCTCGTTCFAAAGGGTTCGAAFTTCGAAGATTGATAGCA	R7
TR_4.95	x4.95-y4.95-x3.95*-y3.94*	CAAGCTCGCCTAACATTCAGTGGTAATATCCGAAATAGCGGA	R7
TR_5.89	x5.89-y5.89-x4.90*-y4.89*	CAACACTGCACCTCATGACATTGACTATGCAGACTCTGTTAAA	R7
TR_5.90	x5.90-y5.90-x4.91*-y4.90*	CCTGGGATTACTTACCAATCTGCGGATACGGATACCTGCAAGA	R7
TR_5.91	x5.91-y5.91-x4.92*-y4.91*	CCCAGCTTCTCTCGGTGCCCTGACCCTGGGAGAATTAAGGAAA	R7
TR_5.92	x5.92-y5.92-x4.93*-y4.92*	CCAAATTTACCTGTGCCCTATGTGCGCTACGAAGCCAATATA	R7
TR_5.93	x5.93-y5.93-x4.94*-y4.93*	CGACTCCTCGCTCGATAGCCTGAACGAAGTGATAAAGTCATA	R7
TR_5.94	x5.94-y5.94-x4.95*-y4.94*	CACCTATACTCTTACACGCTGCGCGAGCTTGAGAACCCTTTTA	R7
TR_6.89	x6.89-y6.89-x5.89*-y5.88*	CTAACCCAACCTGCTTTAGTGTGTGCAGTGTGACTGACTCTA	R7
TR_6.90	x6.90-y6.90-x5.90*-y5.89*	CCTGTGTGGCTTAGGTCTACTGTAATCCCAGGAATGTCATGA	R7
TR_6.91	x6.91-y6.91-x5.91*-y5.90*	CCTTAATGACTTGTGTCGGATGAGAAGCTCGGAGATTGGTAA	R7
TR_6.92	x6.92-y6.92-x5.92*-y5.91*	CACTATCATCTGGTACTCTTTGGTAAAATTTGGAGGGCACCGA	R7
TR_6.93	x6.93-y6.93-x5.93*-y5.92*	CGTCCACCCGCTGGAGCATGTTGGCAGGAGTGCATAGGGCACA	R7
TR_6.94	x6.94-y6.94-x5.94*-y5.93*	CATTCATGCCCTCGCTCACCGTGAGTATAGGTGAGGCTATCGA	R7
TR_6.95	x6.95-y6.95-x5.95*-y5.94*	CTGCCATACCTCATCAATGGTGTGATAATGCGAGACGTGTAA	R7
TR_7.89	x7.89-y7.89-x6.90*-y6.89*	CCCTTACTTGTCTCGGCGGGTGGCCACACAGGACACTAAAGCA	R7
TR_7.90	x7.90-y7.90-x6.91*-y6.90*	CATTTGAACCTCTCTGAGTAATGTCATTAAGGAGTAGACCTAA	R7
TR_7.91	x7.91-y7.91-x6.92*-y6.91*	CCTGCATTTCTCTCCCTGGCTATGATGATAGTGTATCCGACAAA	R7
TR_7.92	x7.92-y7.92-x6.93*-y6.92*	CGCGTAACCTACTTACACATATGCCGTTGGCAGAAAGAGTACCA	R7
TR_7.93	x7.93-y7.93-x6.94*-y6.93*	CAGTGGCCAGCTGCTGTGGATGCGATGAATGAACATGCTCCA	R7
TR_7.94	x7.94-y7.94-x6.95*-y6.94*	CCTTTCTAATCTTTTGTGTGTGGTATGGCAGACGGTGAGCGA	R7
TR_8.89	x8.89-y8.89-x7.89*-y7.88*	CACACCAAACCTGCGAACCCTGCAAGTAAGGGACGTACAAGA	R7
TR_8.90	x8.90-y8.90-x7.90*-y7.89*	CTGCTACAACCTAATCTCTGTGAGTTCAAATGAACCCCGCGA	R7
TR_8.91	x8.91-y8.91-x7.91*-y7.90*	CGACATAAGCTGCCGAGTATTGAGAATGCAGGATTACTCAGA	R7
TR_8.92	x8.92-y8.92-x7.92*-y7.91*	CTAGTATTGCTGGGACACGTTGTAGTTACGCGATAGCCAGGA	R7
TR_8.93	x8.93-y8.93-x7.93*-y7.92*	CCTGAAGTCCCTGTGTGCGCATGCTGGCCACTGCGATATGTTAA	R7
TR_8.94	x8.94-y8.94-x7.94*-y7.93*	CAGACGACACTGCGAATCAATGATTAGAAAGGATCCACAGCA	R7
TR_8.95	x8.95-y8.95-x7.95*-y7.94*	CTAGAAACCCTCAAAGGTCATGCGAAGTCCGGACACAACAAA	R7
TR_9.89	x9.89-y9.89-x8.90*-y8.89*	CAAGGGACGCCTAAGTCCCTGTTGTAGCAGAACGGTTCGCA	R7
TR_9.90	x9.90-y9.90-x8.91*-y8.90*	CCGTGGACGGCTATCGCCAGTGTCTTATGTCGACAGAGATTAA	R7
TR_9.91	x9.91-y9.91-x8.92*-y8.91*	CTTCAGTCCGGCTTTGTAGCCTGCAATACTAGAATACTCGGCA	R7
TR_9.92	x9.92-y9.92-x8.93*-y8.92*	CCCTCGATCTCTCTGGTACTGCGTTCTCAGGAACGTTGTCCTCA	R7
TR_9.93	x9.93-y9.93-x8.94*-y8.93*	CGAACCCGCTACTGTTAAATGTGTGCTGCTGATGCCGACACA	R7
TR_9.94	x9.94-y9.94-x8.95*-y8.94*	CATTTCAAGCCTGCCCGCTTGGGTTTCTAGATTGATTCGCA	R7
TR_10.89	x10.89-y10.89-x9.89*-y9.88*	CATACTGGTCTTCCCTTAAATGGCGTCCCCTTGACCGTGGACA	R7
TR_10.90	x10.90-y10.90-x9.90*-y9.89*	CGTTCAACAACCTGGCCTATTTGCCGCTCCACGGAGAGGACTTA	R7
TR_10.91	x10.91-y10.91-x9.91*-y9.90*	CGCTAGCCGCTTTGGAGAATTGCCGACTGAAGACTGGCGATA	R7
TR_10.92	x10.92-y10.92-x9.92*-y9.91*	CGACCATTACTAGTACTGGTGCATCGAGGAGGCTACAAA	R7
TR_10.93	x10.93-y10.93-x9.93*-y9.92*	CTGGATAAGCTCACGTTCTGTTGATCGCGTTCGAGTACCCAGA	R7
TR_10.94	x10.94-y10.94-x9.94*-y9.93*	CTGGGAAAGCTAAGTGTGTTGGCTTGAATGACATTTAACA	R7
TR_10.95	x10.95-y10.95-x9.95*-y9.94*	CTGATATTACTGCCAATAGTGGGACAGATGAACGGCGGCA	R7
TR_11.89	x11.89-y11.89-x10.90*-y10.89*	CGAGACAGGCCTCAGCTTCTGTTGTAACGATTTAAGGGAA	R7
TR_11.90	x11.90-y11.90-x10.91*-y10.90*	CCTTTGATCACTAAGGCCTTGGCGCTAGCGAAATAGTGCCA	R7
TR_11.91	x11.91-y11.91-x10.92*-y10.91*	CCCGCATAACCTTCAGAGCTTGTAAATGGTCGAATCTCCAAA	R7
TR_11.92	x11.92-y11.92-x10.93*-y10.92*	CGCCAAAGATACTGGATCGTATGCTTATCCAGACCAGTCACTA	R7
TR_11.93	x11.93-y11.93-x10.94*-y10.93*	CGCTAGGTAACCTAAGATATTGCTTTCCCAAGAACGACTGA	R7
TR_11.94	x11.94-y11.94-x10.95*-y10.94*	CCCTTTGTACTAACCTGCGGTGTAATATCAGACAAACACTTA	R7
TR_12.89	x12.89-y12.89-x11.89*-y11.88*	CCCTTGATTCCTCATCGACCCCTGGCCTGCTCGAGTCGGAAGA	R7
TR_12.90	x12.90-y12.90-x11.90*-y11.89*	CGGATTATACTATCAATTTATGTGATCAAAGGACGAAGCTGA	R7
TR_12.91	x12.91-y12.91-x11.91*-y11.90*	CGTCATGATCTTATAACGGCTGGTTATGCGGGAAGTGCCCTA	R7
TR_12.92	x12.92-y12.92-x11.92*-y11.91*	CGTATAATGCTTAGAAGCAGTGTATCTTGGCGAAGCTCTGAA	R7
TR_12.93	x12.93-y12.93-x11.93*-y11.92*	CAGACTATACTAGCGGACGGTGTACCTAGCGATACGATCCA	R7
TR_12.94	x12.94-y12.94-x11.94*-y11.93*	CAGTCAAGCCTAATGGAACGTTGTTACAAAGGGAATATCTTAA	R7
TR_12.95	x12.95-y12.95-x11.95*-y11.94*	CTCCCAAACCTCGCGCACGATGGTGCACGCGACCCACGTTA	R7

Seq_ID	Domains	Sequence	Used in
RR_1.1	c1.1-d1.1	TGGGCCTCGTGATGACACCGC	R6R
RR_1.2	c1.2-d1.2	AGTTATGCGGGCTTAATGACA	R6R
RR_1.3	c1.3-d1.3	GGCCTGACCGCCCTACGTTTG	R6R
RR_1.4	c1.4-d1.4	TGCTCGAGGTCACCTTCTCAA	R6R
RR_1.5	c1.5-d1.5	CTGATTCTCCCAAGCGAATAA	R6R
RR_1.6	c1.6-d1.6	CGACTCTAACTACATCTCAGA	R6R
RR_1.7	c1.7-d1.7	GACCCGCTCCCCAGAGTCGT	R6R
RR_1.8	c1.8-d1.8	TCAAAAATTCTATCTACAATG	R6R
RR_1.9	c1.9-d1.9	TCAAGCATAGACTGAAGCCCT	R6R
RR_1.10	c1.10-d1.10	CATGACCAAGAAGAGCCAGT	R6R
RR_1.11	c1.11-d1.11	TGGGCGGTGCTTGTCATGCA	R6R
RR_1.12	c1.12-d1.12	TTTATTGCTCCTCACGACACA	R6R
RR_1.13	c1.13-d1.13	CGCCTTGGGAAACATCAGGGA	R6R
RR_1.14	c1.14-d1.14	GGATTTGGAGTACTTCTTCAG	R6R
RR_2.1	T10-d2.1-c1.1*-T10	TTTTTTTTTTGACATAGCATCACGAGGCCATTTTTTTTTTT	R6R
RR_2.2	c2.2-d2.2-c1.2*-d1.1*	TTCAAAGACCAATTCGTGTGACCCGATAAAGTCGGGTGTCAT	R6R
RR_2.3	c2.3-d2.3-c1.3*-d1.2*	GCCACCACCTGAACTCGTATGCGGTCAGCCCTGTCATTAAG	R6R
RR_2.4	c2.4-d2.4-c1.4*-d1.3*	GGACTCGTGTCAAACCTCGAGGACCTCGAGCACAAACGTAGG	R6R
RR_2.5	c2.5-d2.5-c1.5*-d1.4*	TAAGTCGCGCTGACAGACACGGAGGAATCAGTTGAGAAGGT	R6R
RR_2.6	c2.6-d2.6-c1.6*-d1.5*	TGATCATCGGTAACACGAAC TAGTTAGAGTCGTTATTTCGCTT	R6R
RR_2.7	c2.7-d2.7-c1.7*-d1.6*	GTATCTAGACGTCGCAACAGGGAGCGGGTCTCTGAGATGT	R6R
RR_2.8	c2.8-d2.8-c1.8*-d1.7*	CGGAGGTACGCTACTATCAGAGAATTTTGAACGACTCTGG	R6R
RR_2.9	c2.9-d2.9-c1.9*-d1.8*	TCGTTCTGTGCCGACGTTGTCTATGCTTGACATGTAGAT	R6R
RR_2.10	c2.10-d2.10-c1.10*-d1.9*	CCGCTAATGTTGAGACTGCTCTTTGGTCATGAGGGCTTCAG	R6R
RR_2.11	c2.11-d2.11-c1.11*-d1.10*	AAAGGATGGGATAAGCCAGAAGCACCCCAACTGGGCTCT	R6R
RR_2.12	c2.12-d2.12-c1.12*-d1.11*	CGACCATTCCGCGGTCGCGCGGAGCAATAAATGCATAGACA	R6R
RR_2.13	c2.13-d2.13-c1.13*-d1.12*	CAGGCTCCTAGGTCGCTTCTTTCCCAAGGCGTGTGTCGTGA	R6R
RR_2.14	c2.14-d2.14-c1.14*-d1.13*	TCCGAAAGTGGAAATGGGTAGAACTCCAAATCCTCCCTGATGT	R6R
RR_2.15	c2.15-T11-T11-d1.14*	CATGGATATTTTTTTTTTTTTTTTTTTTTTTCTGAAGAAGT	R6R
RR_3.1	c3.1-d3.1-c2.2*-d2.1*	TAGGCTTCTCGACCTCAGCCTGGTCTTTGAAATGCTATGTGC	R6R
RR_3.2	c3.2-d3.2-c2.3*-d2.2*	CCTTTTGGTGAAGTCTCACCTGAGTGGTGGCTCACACGAAAT	R6R
RR_3.3	c3.3-d3.3-c2.4*-d2.3*	CAGTAAATTTAGGCCAATGTACACGAGTCCATACGAGTTCA	R6R
RR_3.4	c3.4-d3.4-c2.5*-d2.4*	ATGTCGCGACACAAAAGACCAGCGGACTTACTCGAGTTTTG	R6R
RR_3.5	c3.5-d3.5-c2.6*-d2.5*	AGGGGGTATGGCGCACTTGTGCCGATGATCAGTGTCTGTGTCAG	R6R
RR_3.6	c3.6-d3.6-c2.7*-d2.6*	CAAAGAACTAGCCCTAAGCAGTCTAGATAACAGTTTCGTGTTA	R6R
RR_3.7	c3.7-d3.7-c2.8*-d2.7*	AAGGATTTGAAACAGCACCGAGTGTCTACCTCCGTGGTTGCGGAC	R6R
RR_3.8	c3.8-d3.8-c2.9*-d2.8*	CGCGGTCCGCCGATCCAAACCACAGAACGACTGATAGTAGC	R6R
RR_3.9	c3.9-d3.9-c2.10*-d2.9*	AAATATATTTTTAAGTGGTAGGACATTAGCGGACAACGTGCGG	R6R
RR_3.10	c3.10-d3.10-c2.11*-d2.10*	AAACCCAGGAATACTGCACACCCCATCTTTGAGCAGTCTCA	R6R
RR_3.11	c3.11-d3.11-c2.12*-d2.11*	ACCATCGTAAAGGGATCGCCGAATGGGTGCTGCTGGCTTATC	R6R
RR_3.12	c3.12-d3.12-c2.13*-d2.12*	TCCATCGAAAAATCTTAATCTAGGAGCCTGGCGCGACCGCG	R6R
RR_3.13	c3.13-d3.13-c2.14*-d2.13*	CGTCCCGAACAGAAATACAAATCACTTTTCGGAAGAAGCGGACC	R6R
RR_3.14	c3.14-d3.14-c2.15*-d2.14*	CTCCCTTCCAGTGCAGGATGAATATCCATGTCTACCCATTC	R6R
RR_4.1	T10-d4.1-c3.1*-T10	TTTTTTTTTTGGCCGATTAGCCGAGAAGCCTATTTTTTTTTT	R6R
RR_4.2	c4.2-d4.2-c3.2*-d3.1*	TCCCTTCCACCCGACGTGCCTACCAAAGGGAGGCTGAGGT	R6R
RR_4.3	c4.3-d4.3-c3.3*-d3.2*	ACCTTGGTGGAAAGGCGGCTATAAATTTACTGAGGTGAGACT	R6R
RR_4.4	c4.4-d4.4-c3.4*-d3.3*	CGGGAAGTACGCTGACCCCTTTGTGCGGACATACATTAGGCC	R6R
RR_4.5	c4.5-d4.5-c3.5*-d3.4*	GATAGGGCAATGAGCTGGGAACCATACCCCTCGTCTTTTG	R6R
RR_4.6	c4.6-d4.6-c3.6*-d3.5*	ATCCTATACTTACGCCAATGAGTAGTCTTTGACACAAGTGCG	R6R
RR_4.7	c4.7-d4.7-c3.7*-d3.6*	GCTGGCAATGGGATTTGCCAATTTCAATCCTTTGCTTAGGGC	R6R
RR_4.8	c4.8-d4.8-c3.8*-d3.7*	GACCTTATATAGATTAACCGGGGCGACCGGACTGGTGTCTG	R6R
RR_4.9	c4.9-d4.9-c3.9*-d3.8*	CTCATAATTTCAAGCCCAAGAAAATATATTTGTTGGATGC	R6R
RR_4.10	c4.10-d4.10-c3.10*-d3.9*	CAGGCAGTACAAAATCGGGCATTCTGGGTTTCTTACCCTT	R6R
RR_4.11	c4.11-d4.11-c3.11*-d3.10*	AGAATAAATTGATATGACTCTGATGAGTGGTGTGTGCAGTA	R6R
RR_4.12	c4.12-d4.12-c3.12*-d3.11*	GTTAATGCACTGTAGATTTTTTTTTTCGATGGAGGCGATCCCC	R6R
RR_4.13	c4.13-d4.13-c3.13*-d3.12*	CGTGCAGAATGCGCCTCCCTTGTTCGGGACGATTAGGATA	R6R
RR_4.14	c4.14-d4.14-c3.14*-d3.13*	GCTGGGGTTGCAGAGGGCCCTGGAAGGGGAGATTTGTATTC	R6R
RR_4.15	c4.15-T11-T11-d3.14*	GAGTAAACTATTTTTTTTTTTTTTTTTTTTTCATCGCGCAC	R6R
RR_5.1	c5.1-d5.1-c4.2*-d4.1*	TTATCCGTTGAGGATACCTCTTTGGAAGGGGAGCTAATCGGCC	R6R
RR_5.2	c5.2-d5.2-c4.3*-d4.2*	ATTCCGGCCGACGCTACAGCCACCAAGGTGGCAGCTCGGG	R6R
RR_5.3	c5.3-d5.3-c4.4*-d4.3*	CAAGCCAGCGGTAAGACAACCTAGTTCCCGTACGCCGCTT	R6R
RR_5.4	c5.4-d5.4-c4.5*-d4.4*	CCTACCCTATTTTTTAGACTATTGCCCTATCAAAGGGTCACG	R6R
RR_5.5	c5.5-d5.5-c4.6*-d4.5*	TCGGCGCGGACCTCGAGTCAAGTATAGGATTTCCAGCTCA	R6R

Seq_ID	Domains	Sequence	Used in
RR_5.6	c5.6-d5.6-c4.7*-d4.6*	AGAAC TCTGGCCCAAACAGTACATTGCCAGCTCATTTGGCGTA	R6R
RR_5.7	c5.7-d5.7-c4.8*-d4.7*	TCTATCAGTCTTCCGCGATCCATATAAGGTCTTGGCAATCCC	R6R
RR_5.8	c5.8-d5.8-c4.9*-d4.8*	ATAGGACAGCATCAGTCTCCTAAATATGAGCCGGTTAATCT	R6R
RR_5.9	c5.9-d5.9-c4.10*-d4.9*	ACTAGTGGCGGCTTGGCCGAGGTACTGCCCTGCTTGGGCTTGA	R6R
RR_5.10	c5.10-d5.10-c4.11*-d4.10*	ATCGCGATGAAGTCCCCCGATAAATTTATTCTTGCCCGATTT	R6R
RR_5.11	c5.11-d5.11-c4.12*-d4.11*	ACTTGGCCATATTAACCGCTTGTGCATTAACCGAGTCATATC	R6R
RR_5.12	c5.12-d5.12-c4.13*-d4.12*	CACACGTCCGGCAGCAGGAGTATTCTGCACGAAAAATCTACA	R6R
RR_5.13	c5.13-d5.13-c4.14*-d4.13*	CTGCAGGACATTGCCGGCCGGAACCCCGAGCGGGGAGGCGC	R6R
RR_5.14	c5.14-d5.14-c4.15*-d4.14*	GCGTCGTGGTGGGAAGTATTGTAGTTTACTCGGGCCCTCTGC	R6R
RR_6.1	T10-d6.1-c5.1*-T10	TTTTTTTTTTTATAGTACACCCCTCAACGATAATTTTTTTTTT	R6R
RR_6.2	c6.2-d6.2-c5.2*-d5.1*	TTTAGTCTTCTGTTGTCGACGCGCGCGGAATAAGAGGTATC	R6R
RR_6.3	c6.3-d6.3-c5.3*-d5.2*	CTAGTCTCGAAATCTGGCGGACGCTGGGCTTGCTGTACGGCT	R6R
RR_6.4	c6.4-d6.4-c5.4*-d5.3*	TTGGGTAGTTACGGATAATGGAATAGGGTAGGGTTGCTTAC	R6R
RR_6.5	c6.5-d6.5-c5.5*-d5.4*	ACACGCCCGCGAGAATACGCCTCGCGCGCGGATAGTCTAAAA	R6R
RR_6.6	c6.6-d6.6-c5.6*-d5.5*	GAAC TCTTACTGGGAATCAACGCCAGAGTCTTACTCGAGG	R6R
RR_6.7	c6.7-d6.7-c5.7*-d5.6*	TGACATCTGGTGTTCGGAAGCAGACTGATAGATACTGTTTGG	R6R
RR_6.8	c6.8-d6.8-c5.8*-d5.7*	TCCGGATGGTTCCATTCTCATGCTGTCCTATGGATCGCGGA	R6R
RR_6.9	c6.9-d6.9-c5.9*-d5.8*	CTATTAGTTTTGAGTGACCGTCCCGCACTAGTAGGAGACTGA	R6R
RR_6.10	c6.10-d6.10-c5.10*-d5.9*	CTTCCGCCGTTCTCGCAGTGTTCATCGCGATCTGCGGCAAG	R6R
RR_6.11	c6.11-d6.11-c5.11*-d5.10*	TTAGCAGGTATCTCCTACCTTTATGGCCAAGTATCGGGGAC	R6R
RR_6.12	c6.12-d6.12-c5.12*-d5.11*	GGACGGATGGTTAGGTACTGGCCCGACGTGTGAAGCGTTTAA	R6R
RR_6.13	c6.13-d6.13-c5.13*-d5.12*	CGAGCGACTAGAGAATGATCATGTCTCGACACTCCTCGTG	R6R
RR_6.14	c6.14-d6.14-c5.14*-d5.13*	AGTGACGGTGAATTTATTGCTCACACAGCAGCGCCCGCGCA	R6R
RR_6.15	c6.15-T11-T11-d5.14*	ACCCGAGAGCTTTTTTTTTTTTTTTTTTTTTTTTCAATACTTCC	R6R
RR_7.1	c7.1-d7.1-c6.2*-d6.1*	GCAGTGTATGGACGCTGGAAGGAAACCTAAAGGTGACTATA	R6R
RR_7.2	c7.2-d7.2-c6.3*-d6.2*	ACCTTAACTGTAAGTAATATGTGCGAGACTAGGTCGACAACAG	R6R
RR_7.3	c7.3-d7.3-c6.4*-d6.3*	ATATCTTACC GGACGACGCTAAACTACCCAATCCGCCAGATT	R6R
RR_7.4	c7.4-d7.4-c6.5*-d6.4*	CATCCTTGTCTACTACAAGTGGCGCCGTGTCCATTATCCGT	R6R
RR_7.5	c7.5-d7.5-c6.6*-d6.5*	ATCTGTCTTCCCTCAAGGTGTGTAAGAGTTCCGGCTATTCTC	R6R
RR_7.6	c7.6-d7.6-c6.7*-d6.6*	CGTGGGATTACAGCCGGTTTGCCAGATGTGAGTTGATTCCCA	R6R
RR_7.7	c7.7-d7.7-c6.8*-d6.7*	ACCGTCTCTCGACCTTCCCAACCATCCCGAGCTTCCGAACA	R6R
RR_7.8	c7.8-d7.8-c6.9*-d6.8*	GTGGTACCTCCGAGGTTGTCAAACCTAATAGTGAGAATGGAA	R6R
RR_7.9	c7.9-d7.9-c6.10*-d6.9*	AGTGATGACTGAGTGGCCTCACGGCGGAAGACGGTCACTCA	R6R
RR_7.10	c7.10-d7.10-c6.11*-d6.10*	CGTGCTAAAAATGCCCTTGAGGTACCTCGCTAAGCACTGCGAGA	R6R
RR_7.11	c7.11-d7.11-c6.12*-d6.11*	TAAGTGGTTTTAAACGCCCTCCCATCCGCTCAAGGTAGGAGA	R6R
RR_7.12	c7.12-d7.12-c6.13*-d6.12*	ACAATACTAGTCAATCAGAAGATGCGCTCGCCAGTACCTAA	R6R
RR_7.13	c7.13-d7.13-c6.14*-d6.13*	CATATGCCCAAACATTTCTACCACCGTCACTGATCATTTCTCT	R6R
RR_7.14	c7.14-d7.14-c6.15*-d6.14*	GCTGATCATAATCATCGTTCCGGCTCTCGGGTAGCAATAAATT	R6R
RR_8.1	T10-d8.1-c7.1*-T10	TTTTTTTTTTTGTGAGGTTAGTCCATACACTGCTTTTTTTTTT	R6R
RR_8.2	c8.2-d8.2-c7.2*-d7.1*	GACAGGAAGGGCCTAACAGTACAGTTAAGGTCTTCCAGCGT	R6R
RR_8.3	c8.3-d8.3-c7.3*-d7.2*	TCCGAGTAACTACTCTCTACGGTAAGATATCATATTACTT	R6R
RR_8.4	c8.4-d8.4-c7.4*-d7.3*	ACGAGCGCCAGGTACTCCTTAGCAAAGATGTAGCGCTCGTC	R6R
RR_8.5	c8.5-d8.5-c7.5*-d7.4*	CGGAGCTTTTGCCCTACATATGAAGAACAGATACTTGTAGTG	R6R
RR_8.6	c8.6-d8.6-c7.6*-d7.5*	CGAGAAAATGGCCACGACTGTAATCCCACGAACCTTGAGG	R6R
RR_8.7	c8.7-d8.7-c7.7*-d7.6*	AGCAGTCACTCGCAGTATCGCGAGAGGACGGTCAAACCGGCT	R6R
RR_8.8	c8.8-d8.8-c7.8*-d7.7*	GCGACCGAAAATCCCGGTGCTGGAGGTACCCTGGGAAGGTC	R6R
RR_8.9	c8.9-d8.9-c7.9*-d7.8*	ACGCC TGGCGGTCAGGGTCACTCACTGACAACCTGC	R6R
RR_8.10	c8.10-d8.10-c7.10*-d7.9*	TCCGACTTTTGAAGGTATCGTTTTTAGCACGGAGGCCACTC	R6R
RR_8.11	c8.11-d8.11-c7.11*-d7.10*	GAACGAAGATAGTGTATGTTTAAACCACTTACCTCAAGGCA	R6R
RR_8.12	c8.12-d8.12-c7.12*-d7.11*	GGCTCTCGCGGTACAGCCACTCTAAGTATTTGTGACGGCGTTT	R6R
RR_8.13	c8.13-d8.13-c7.13*-d7.12*	TGAATCTAAGGGGCTTCCGGGTTGGGCATATGCTGATTGCA	R6R
RR_8.14	c8.14-d8.14-c7.14*-d7.13*	CACGCGGGCATGGGTGTTTTATTATGATCAGCGGTAGAATGT	R6R
RR_8.15	c8.15-T11-T11-d7.14*	TTGGCGGATTTTTTTTTTTTTTTTTTTTTTTTCGAACGATGA	R6R
RR_9.1	c9.1-d9.1-c8.2*-d8.1*	TCATTACAGGGTTTGTCTAATCCTTCTCGTCACTAACCTCAC	R6R
RR_9.2	c9.2-d9.2-c8.3*-d8.2*	GATTACATGCCAGAAAATAGTTTACTCGCGAGACTGTTAGGC	R6R
RR_9.3	c9.3-d9.3-c8.4*-d8.3*	AGGCTCTAACGCCGTCGTCGCCGCGCTCGTTAGGAGGTAGA	R6R
RR_9.4	c9.4-d9.4-c8.5*-d8.4*	GTTAACTGGCAATCTACTGACAAAAGCTCCGAAAGGTACTACT	R6R
RR_9.5	c9.5-d9.5-c8.6*-d8.5*	CGCATGTCTGTCGCGGCCATCCATTTTCTCGATATGTAGGGC	R6R
RR_9.6	c9.6-d9.6-c8.7*-d8.6*	GGAACCAATTCACATACTCGCAGTACTGCTAGTGTCTGTCG	R6R
RR_9.7	c9.7-d9.7-c8.8*-d8.7*	ACCGCAAGTCCAAGCCGTCTTCCGTCGCGGATACCTGCG	R6R
RR_9.8	c9.8-d9.8-c8.9*-d8.8*	TCGATTTGTCCAGCAAGAACTCTGCGCAGGCGTAGCACCGGGGA	R6R
RR_9.9	c9.9-d9.9-c8.10*-d8.9*	CGATCGCAAGACTTATCCGGCAAAGTCCGCGAGACCCCTGACC	R6R
RR_9.10	c9.10-d9.10-c8.11*-d8.10*	CGACAGTGACCAACGCCCTCCCATCTCTGTTCCGATACCTTCT	R6R

Seq_ID	Domains	Sequence	Used in
RR_9.11	c9.11-d9.11-c8.12*-d8.11*	ATTTTCTGTAAACACGCGCTGCGCGAGAGCCAACATAGCACT	R6R
RR_9.12	c9.12-d9.12-c8.13*-d8.12*	GTCTCGATAAGATCAGGCCGTCTTAGATTCAAGTGGCTGTAC	R6R
RR_9.13	c9.13-d9.13-c8.14*-d8.13*	GTGGCCAACACATCGTGAAATTGCCCGCGTGCCCGCAGGCC	R6R
RR_9.14	c9.14-d9.14-c8.15*-d8.14*	TFCGAGCTCGACAGTGAGCTAATCGCGCCAATAAAACACCCA	R6R
RR_10.1	T10-d10.1-c9.1*-T10	TTTTTTTTTTGCGCCATCGCGCCCTGTAATGATTTTTTTTTTT	R6R
RR_10.2	c10.2-d10.2-c9.2*-d9.1*	ATTCTCATTATGGGACGGGGGGGCATGTAATCATTAGACAAA	R6R
RR_10.3	c10.3-d10.3-c9.3*-d9.2*	GCATGATGTACAGGAAGGGAGCGTTAGAGCCTACTATTTTCT	R6R
RR_10.4	c10.4-d10.4-c9.4*-d9.3*	CGGAGAAGAGGAATATGTGCGTGCCAGTTAACGGGACGACGG	R6R
RR_10.5	c10.5-d10.5-c9.5*-d9.4*	GAACAGTCTTTCCAAGCGTCGACGACATGCGGTTCAGTAGAT	R6R
RR_10.6	c10.6-d10.6-c9.6*-d9.5*	GTCTAACGCAAGTAAGGTAATGAAATTTGTTCCGATGGGCCGC	R6R
RR_10.7	c10.7-d10.7-c9.7*-d9.6*	TTATAGCTATGGGGGAGAACAGACTCGGGCGTGCGAGTATGT	R6R
RR_10.8	c10.8-d10.8-c9.8*-d9.7*	TCATTTGATTTCTGCTTAGGTTTGACAAATCGAGCACGGCTTG	R6R
RR_10.9	c10.9-d10.9-c9.9*-d9.8*	GTTGGGCGATCTTTCGTACGGTCTTCCGATCGAGAGTCTTGC	R6R
RR_10.10	c10.10-d10.10-c9.10*-d9.9*	TGCGGACCTCTTACAATCCCGGTCACTGTCCGGCCGATAAG	R6R
RR_10.11	c10.11-d10.11-c9.11*-d9.10*	GCGTCTCTTTTCAGGGTCATTACAGGAAAATGGGAGGCGTT	R6R
RR_10.12	c10.12-d10.12-c9.12*-d9.11*	AGACTCCTTATCCTCGGAGTCTTATCGAGACCAGCGCGTGT	R6R
RR_10.13	c10.13-d10.13-c9.13*-d9.12*	CAACCAAGGGCAGCTGAGAGTGTGTTGGCCACACGGCCTGAT	R6R
RR_10.14	c10.14-d10.14-c9.14*-d9.13*	TAAATAGTTTCCCGCTGCAGTCGAGCTCGAAATTTACAGAT	R6R
RR_10.15	c10.15-T11-T11-d9.14*	CCAAAGCTCATTTTTTTTTTTTTTTTTTTTTTTTAGCTCACTG	R6R
RR_11.1	c11.1-d11.1-c10.2*-d10.1*	TTCATCTGAGCGTGCGATACTTAATGAGAATCGCGATGGCGC	R6R
RR_11.2	c11.2-d11.2-c10.3*-d10.2*	TGGATTCATCGGATATTCGCTACATCATGCCCCCGTCCCA	R6R
RR_11.3	c11.3-d11.3-c10.4*-d10.3*	TGCTTCTGAAACGACCTTACCTCTTCTCCGCTCCCTTCTTG	R6R
RR_11.4	c11.4-d11.4-c10.5*-d10.4*	GCAGTCTATCGTAGCTGGAAGACTGTTCCGCACATATTC	R6R
RR_11.5	c11.5-d11.5-c10.6*-d10.5*	CGCTAACATGTACAAGCATTTGCGTTAGACGACGCTTTGGA	R6R
RR_11.6	c11.6-d11.6-c10.7*-d10.6*	ATCGCCGGCCCGCTTCGGCATAGCTATAAATTACCTTACT	R6R
RR_11.7	c11.7-d11.7-c10.8*-d10.7*	TGATCGAGTGAACCTGGAGCCAATCAAATGATGTTCTCCCCC	R6R
RR_11.8	c11.8-d11.8-c10.9*-d10.8*	CCTTTCGCTCAGCTTCAAATCATGCCCAACAACCTAAGCAG	R6R
RR_11.9	c11.9-d11.9-c10.10*-d10.9*	CTTGCGCTTTGGATTGATCGCGAGGTCGGCACCGGTACGAAA	R6R
RR_11.10	c11.10-d11.10-c10.11*-d10.10*	ACACTATAGCTAGACGTGGGGAAGAGGACGCGGGATTTGTAA	R6R
RR_11.11	c11.11-d11.11-c10.12*-d10.11*	GGACGAGGCCAAACCCGGAATAAGGAGTCTATGACCCTGAA	R6R
RR_11.12	c11.12-d11.12-c10.13*-d10.12*	CCCCACCATTGGGGCTACACTGCCTTGGTTGACTCGCGAGGA	R6R
RR_11.13	c11.13-d11.13-c10.14*-d10.13*	TGAAGTTGGTTTCTTATCGAGAACTATTTAACTCTCACGTC	R6R
RR_11.14	c11.14-d11.14-c10.15*-d10.14*	GATCTTGGTTGTGTGTATCTGAGCTTTGGCTGCACGCGGG	R6R
RR_12.1	T10-d12.1-c11.1*-T10	TTTTTTTTTTGAGGTTCGAAGGCTCAGATGAATTTTTTTTTT	R6R
RR_12.2	c12.2-d12.2-c11.2*-d11.1*	CATAAATGTTTCTCTCCGCTCGATGAATCCAAGTATCGCAC	R6R
RR_12.3	c12.3-d12.3-c11.3*-d11.2*	TATGCTCCGACCTCGTGGTTTTCAGGAAGCAGCGGAATATC	R6R
RR_12.4	c12.4-d12.4-c11.4*-d11.3*	ATACTATGTTCTGTGGGACTAGATACCTGCGTAAGGTCGT	R6R
RR_12.5	c12.5-d12.5-c11.5*-d11.4*	GAACCTAATTCCTTAATACGACATGTTAGCGCCGACTACGA	R6R
RR_12.6	c12.6-d12.6-c11.6*-d11.5*	ACAGTCGAGCGAGTGAGTGACCGGCCGGCGATAAATGCTTGT	R6R
RR_12.7	c12.7-d12.7-c11.7*-d11.6*	TAGGCTGGCCGGTCAAGACCGTCACTCGATCAGCCGACGGG	R6R
RR_12.8	c12.8-d12.8-c11.8*-d11.7*	GAAACATGCATGAGGCCATCGTGACGGAAAGGGGCTCCAGTT	R6R
RR_12.9	c12.9-d12.9-c11.9*-d11.8*	TATACCTCAATTTCTATAAAACCAAGCGCAAGGATTTGAAGC	R6R
RR_12.10	c12.10-d12.10-c11.10*-d11.9*	ATAAAAAGAGCTCTTAAGTGAAGCTATAGTGTGCGATCAATC	R6R
RR_12.11	c12.11-d12.11-c11.11*-d11.10*	TAGAATCTCATGGCAACACCTGGCCTCGTCCCCCAGCTCT	R6R
RR_12.12	c12.12-d12.12-c11.12*-d11.11*	AGTCAACAGCATTAGGGTATGCAATGGTGGGGTTCCGGGGTT	R6R
RR_12.13	c12.13-d12.13-c11.13*-d11.12*	AACTTAATTGGACACTCATTTGAACCAACTTCAAGTGTAGCCC	R6R
RR_12.14	c12.14-d12.14-c11.14*-d11.13*	CGGGTCGATTTTTCATGTATTTCCAACCAAGATCCTCGATAAGA	R6R
RR_12.15	c12.15-T11-T11-d11.14*	TGTTGCCATATTTTTTTTTTTTTTTTTTTTTTTTGATACACACA	R6R
RR_13.1	c13.1-d13.1-c12.2*-d12.1*	CGACCTACTTTCCCGAGAACACATATTATGCTTCGAACCTC	R6R
RR_13.2	c13.2-d13.2-c12.3*-d12.2*	CGGCTCCGCGCGCTTAAATGCCGGACGCATAAGCGGAGAGAA	R6R
RR_13.3	c13.3-d13.3-c12.4*-d12.3*	TTAAATCCAAGCAGACTCCAAAACATAGTATAAACCCAGGGT	R6R
RR_13.4	c13.4-d13.4-c12.5*-d12.4*	ATTTCCCCACGTTAGAGTGACATTAGGGTTTCGTCCCACAGG	R6R
RR_13.5	c13.5-d13.5-c12.6*-d12.5*	AAGAGAACCTCGATAATAACGCTCGACTGTCGTATTAAGGA	R6R
RR_13.6	c13.6-d13.6-c12.7*-d12.6*	ACAGGCATTCGAAAAACGTGAGGCCAGCTTAGTCACTCACTC	R6R
RR_13.7	c13.7-d13.7-c12.8*-d12.7*	CGTGCGTTTTATGCGAATCACTGCATGTTTCCGGTCTTGACC	R6R
RR_13.8	c13.8-d13.8-c12.9*-d12.8*	ACTCATAACCAAGGAATATCATTGAGGTATACGATGGCCTCA	R6R
RR_13.9	c13.9-d13.9-c12.10*-d12.9*	TACACCGAACTTGATACTCTCTTTTTTATGTTTATAGAAA	R6R
RR_13.10	c13.10-d13.10-c12.11*-d12.10*	TACGGAGTGTACTAACGCGCTGAGATTCTATCACTTAAGAG	R6R
RR_13.11	c13.11-d13.11-c12.12*-d12.11*	AGATTCCGACCTGGCTTATGGCTGTTGACTGGTGTGCCCCA	R6R
RR_13.12	c13.12-d13.12-c12.13*-d12.12*	TTGAGACCTGTCTAGTAGAACAATAAGTTTCATACCCCTAAT	R6R
RR_13.13	c13.13-d13.13-c12.14*-d12.13*	CCTCGTCTTTCGCTGCCGCCAGATACGCAATCCCAATGAGTGT	R6R
RR_13.14	c13.14-d13.14-c12.15*-d12.14*	TATTACTTTCTCCTACCAGGTTATGGCAACAGAATACATGAA	R6R
RR_14.1	T10-d14.1-c13.1*-T10	TTTTTTTTTTGATCAAGGTCAAAGTAGGGTCGTTTTTTTTTTT	R6R

Seq_ID	Domains	Sequence	Used in
RR_14.2	c14.2-d14.2-c13.2*-d13.1*	GAGGAACTTGAGTTAGACTTTGCGCGGAGCCGGTTCCTCGGGA	R6R
RR_14.3	c14.3-d14.3-c13.3*-d13.2*	CCAGCAGGACTTTGCCATACCCCTTGATTTAAGCATTAAGC	R6R
RR_14.4	c14.4-d14.4-c13.4*-d13.3*	TAGTGCCAAGAAAACAATAGACGTGGGAAAATTTGGAGTCTG	R6R
RR_14.5	c14.5-d14.5-c13.5*-d13.4*	AGGTGAATACTACCCTATGTGAGGTCTCTGTCACTCTAA	R6R
RR_14.6	c14.6-d14.6-c13.6*-d13.5*	TTGATTGAAGGAAGGAGTGTCCGAATGCCTGTGTATTATATC	R6R
RR_14.7	c14.7-d14.7-c13.7*-d13.6*	GGCCAACTGACAGAGCCCGGTAAAACGCACGTCACGTTTTT	R6R
RR_14.8	c14.8-d14.8-c13.8*-d13.7*	GGCACCTTGCAGATAGTAGGTTTGGTATGAGTGTGATTCGCA	R6R
RR_14.9	c14.9-d14.9-c13.9*-d13.8*	CGGACAGTTAGAATACCCAGAGTTCGGGTGTATGATAGTTC	R6R
RR_14.10	c14.10-d14.10-c13.10*-d13.9*	CCCAGCTTGAGTGAGTCCCCTCAACACTCCGTAAGAGTATCAA	R6R
RR_14.11	c14.11-d14.11-c13.11*-d13.10*	TTGGTATAGCATCTAACCCGGTTCGGAATCTGCCGTTAGT	R6R
RR_14.12	c14.12-d14.12-c13.12*-d13.11*	TCACGGAACCTCGCTATCACACAGGTTCTCAACATAAGCCAG	R6R
RR_14.13	c14.13-d14.13-c13.13*-d13.12*	TCACCAATGGTGAGAAAACAGCGCAAGACGAGTTCTACTAGA	R6R
RR_14.14	c14.14-d14.14-c13.14*-d13.13*	CGACCCGACCTGTCTCGCTAGAAAAGTAATACTGGCGGCAC	R6R
RR_14.15	c14.15-T11-T11-d13.14*	TAGATGTTCTTTTTTTTTTTTTTTTTTTTTTACCTGGTAGG	R6R
RR_15.1	c15.1-d15.1-c14.2*-d14.1*	GAATGAACCCGGGTTTTTCATCAAGTTCCTTGACCTTGATC	R6R
RR_15.2	c15.2-d15.2-c14.3*-d14.2*	GAATTACGAGAGTCGACTGAGGTCCTGCTGGAAAGTCTAACT	R6R
RR_15.3	c15.3-d15.3-c14.4*-d14.3*	CAGATTTCCGCTAATTCCTTCCCTGGCACTAGGTATGGCAAA	R6R
RR_15.4	c15.4-d15.4-c14.5*-d14.4*	GTGTATGCCCTCCGGGTATGCGTATTCACCTTCTATTTGTTTT	R6R
RR_15.5	c15.5-d15.5-c14.6*-d14.5*	TAATCCGTAGTTTCCGCGAAACTTCAATCAAACATAGGGGTA	R6R
RR_15.6	c15.6-d15.6-c14.7*-d14.6*	GATCGACGGTGAACCTTAGTGCAGATTTGGCCGACACTCCCTC	R6R
RR_15.7	c15.7-d15.7-c14.8*-d14.7*	CGGGGGCCCCCTCCAACCCGAGCAAGGTGCCCGGGGCTCGTG	R6R
RR_15.8	c15.8-d15.8-c14.9*-d14.8*	CCATCTCAGAATGGCTCTTAACTGTCGGACCTACTATCT	R6R
RR_15.9	c15.9-d15.9-c14.10*-d14.9*	GAACCTGTACACCTTAGGTTCAAGTCCGGTCTGGGTATTC	R6R
RR_15.10	c15.10-d15.10-c14.11*-d14.10*	AGTGTATCTCGAGTGTGATTCGCTATACCAAGAGGGACTCAC	R6R
RR_15.11	c15.11-d15.11-c14.12*-d14.11*	ATTGGGCGTTTTGATGCGTCTTGGTTCCTGACCGGGTTAGAT	R6R
RR_15.12	c15.12-d15.12-c14.13*-d14.12*	GAGCCTGTACGGTTTTGCCCGCCATTTGGTGTATGTATAGCGA	R6R
RR_15.13	c15.13-d15.13-c14.14*-d14.13*	GGACTTCCCTCTCTCGCTGGAGGTCCGGTCCGGCTGTTTTCTCA	R6R
RR_15.14	c15.14-d15.14-c14.15*-d14.14*	AGGCATTACAATACGTATCGAAGAATCTAAGCGAGAACAG	R6R
RR_16.1	T10-d16.1-c15.1*-T10	TTTTTTTTTTTGGCATGTACGCGGGTTCATTTCTTTTTTTTTT	R6R
RR_16.2	c16.2-d16.2-c15.2*-d15.1*	AGAACGGCCACTGTTGTATTTCTCTCGTAATTCATGAAAACCC	R6R
RR_16.3	c16.3-d16.3-c15.3*-d15.2*	TTCCGAGGCACTCGCTGATCCGCGGAAATCTGCTCAGTCGAC	R6R
RR_16.4	c16.4-d16.4-c15.4*-d15.3*	GTATACTCAGGTCTAAGGCGCGAGGCATACAGGAAGGAATTA	R6R
RR_16.5	c16.5-d16.5-c15.5*-d15.4*	ACTGGGTATAGAGGTTGATGAACTACGGATTAGCATACCCGG	R6R
RR_16.6	c16.6-d16.6-c15.6*-d15.5*	GAGTATCCATGATTTACTTTACCCGTCGATCTTTCGCGGAA	R6R
RR_16.7	c16.7-d16.7-c15.7*-d15.6*	TCTTTGATTAATTCATCGAAGCGGGGGCCCGCACTAAGGTT	R6R
RR_16.8	c16.8-d16.8-c15.8*-d15.7*	GTCTCAGGTGTTGCAACCGCTTCTGAAGATGGTCCGGTTGG	R6R
RR_16.9	c16.9-d16.9-c15.9*-d15.8*	TAGGACTGCATAGTCAATGGCGTACAGGGTTCAGAGAGCCAT	R6R
RR_16.10	c16.10-d16.10-c15.10*-d15.9*	TGTGGTCAAAGAAGCTAAGGGCGAGATACACTACCTAGAGGT	R6R
RR_16.11	c16.11-d16.11-c15.11*-d15.10*	CATGAGAAGGTGACATCTTGCAAACGCCCAATGAATCACACT	R6R
RR_16.12	c16.12-d16.12-c15.12*-d15.11*	ACTGCATCTCCGGTCACTCTACGTACAGGCTCAAGACGCATC	R6R
RR_16.13	c16.13-d16.13-c15.13*-d15.12*	TCCAGCGTGGTTGGACAGCGTGGAGGAAGTCCCAGGGGCAAA	R6R
RR_16.14	c16.14-d16.14-c15.14*-d15.13*	CTCTCTCCCGGGGGGGCTTGTGTTAATGCCCTCCAGCGAGA	R6R
RR_16.15	c16.15-T11-T11-d15.14*	AAGGTCACTATTTTTTTTTTTTTTTTTTTTTTTTCGATACGTA	R6R
RR_17.1	c17.1-d17.1-c16.2*-d16.1*	ACACCATATTTAAACCCCGGTGGCCGTTCTCGTACATGCCA	R6R
RR_17.2	c17.2-d17.2-c16.3*-d16.2*	CGATTTTCCTTATTAGGGGGATGCCCTCCGAAGAATACAACAG	R6R
RR_17.3	c17.3-d17.3-c16.4*-d16.3*	GCGGTGACCTATTTGAGTGTCTGAGTATACGGATCAGCGAG	R6R
RR_17.4	c17.4-d17.4-c16.5*-d16.4*	CGAGTGTGTCGTCGGGACGGTATACCCAGTGGCCCTTAGAC	R6R
RR_17.5	c17.5-d17.5-c16.6*-d16.5*	CAATCCGGCACGGTCACGTAATGGATAGCTCTCATCAACCTC	R6R
RR_17.6	c17.6-d17.6-c16.7*-d16.6*	TGCACATGAGATACGTATAACATTACAAAGAAAAGTAAATCA	R6R
RR_17.7	c17.7-d17.7-c16.8*-d16.7*	AGCAGGCTGCCATGCCGGTCCACCTGAGACCGTTCGATGGA	R6R
RR_17.8	c17.8-d17.8-c16.9*-d16.8*	CCCAGGTCAGAGATAATGTATGACAGTCCTAACGCGTTCGAA	R6R
RR_17.9	c17.9-d17.9-c16.10*-d16.9*	GACATTAACCTGTTCTGATGCATTTGACCACAGCCATTGACTA	R6R
RR_17.10	c17.10-d17.10-c16.11*-d16.10*	GGTGAGACCGGGTCCCAACCTTCTCATGCCCTTAGCTTC	R6R
RR_17.11	c17.11-d17.11-c16.12*-d16.11*	GATCTGAGCATAACCTAGCTAGAGATGACGTGCAAGATGTCA	R6R
RR_17.12	c17.12-d17.12-c16.13*-d16.12*	GTTACGACGGCGGCTACTAACCACGCTGGATAGAGATGACC	R6R
RR_17.13	c17.13-d17.13-c16.14*-d16.13*	GACAACAAATTTCTTTGACGTCGGGAGAGAGACGCTGTCCAA	R6R
RR_17.14	c17.14-d17.14-c16.15*-d16.14*	AAGGGCGCTTCCGACATGAATAGTGACCTTCAAGCCCCCG	R6R
RR_18.1	T10-d18.1-c17.1*-T10	TTTTTTTTTTTAGTCTATGCCCTAATATGGTGTTTTTTTTTTTT	R6R
RR_18.2	c18.2-d18.2-c17.2*-d17.1*	TCGGTCATCCTGTCTATGGCGAAGGAAAATCGGCCGGGGTTT	R6R
RR_18.3	c18.3-d18.3-c17.3*-d17.2*	GGACACAGGGTTCGGTGTAGTAGGTACACCGCTCCCCCTAAT	R6R
RR_18.4	c18.4-d18.4-c17.4*-d17.3*	CACAGTACTTTACCGTGTAGCAGCACACTCGACACTCAAAT	R6R
RR_18.5	c18.5-d18.5-c17.5*-d17.4*	TCCCCATTCCGTAATAACGACGTGCCGATTTGCCGTGCCCGA	R6R
RR_18.6	c18.6-d18.6-c17.6*-d17.5*	TCGGACTTTCATTTCAAAGAGTCTCATGTGCATTACGTGACC	R6R

Seq_ID	Domains	Sequence	Used in
RR_18.7	c18.7-d18.7-c17.7*-d17.6*	ACCTTTTCCGAGAACGGAACCTGGCAGCCTGCTGTATACGTA	R6R
RR_18.8	c18.8-d18.8-c17.8*-d17.7*	GTCAACAGACATAAATTTAGACTGACCGCGGGGACCGGCATG	R6R
RR_18.9	c18.9-d18.9-c17.9*-d17.8*	TCATAGATGTTTAAAGATTAGCAGTTAATGTCTACATTATCT	R6R
RR_18.10	c18.10-d18.10-c17.10*-d17.9*	TACACCGGGCAGCATCAATACCCGGTCTCACCTGCATACGAA	R6R
RR_18.11	c18.11-d18.11-c17.11*-d17.10*	CAATGTGGGCAATTCTCGTGAATGCTCAGATCTGTTGGGACC	R6R
RR_18.12	c18.12-d18.12-c17.12*-d17.11*	ACATTCGCTCCAGTGAATTATGCCGTCGTAAGTACTAGGTT	R6R
RR_18.13	c18.13-d18.13-c17.13*-d17.12*	TCCAAGCGACCGGATGTATAAAATTTGTTGTCGTTAGTAGCC	R6R
RR_18.14	c18.14-d18.14-c17.14*-d17.13*	CTAGTTTCTGGATACGAGAGAAAGCCGCTTACGTCAAAGA	R6R
RR_18.15	c18.15-T11-T11-d17.14*	ATTCTAAGAATTTTTTTTTTTTTTTTTTTTTTTTTCATGTCGG	R6R
RR_19.1	c19.1-d19.1-c18.2*-d18.1*	AATTAACGCTACTTACCTACCGGATGACCGAGGGCATAGACT	R6R
RR_19.2	c19.2-d19.2-c18.3*-d18.2*	ACGCACTCGACCACCTAGCACCCCTGTGTCCCGCAATGACA	R6R
RR_19.3	c19.3-d19.3-c18.4*-d18.3*	CCGCTGAGGATTGTGGACACCAAGTACTGTGACTCACGGGAA	R6R
RR_19.4	c19.4-d19.4-c18.5*-d18.4*	GAAGACACTGGAGGCCCGATCGAATGGGGATCATCACGGTA	R6R
RR_19.5	c19.5-d19.5-c18.6*-d18.5*	GTGCCGTTAGGAAACGTAAAGAAAGTCCGAGTCGTTAGTAC	R6R
RR_19.6	c19.6-d19.6-c18.7*-d18.6*	GCACCTGAATATATCAATGCTCGGAAAAGGTCCTTTGAAAT	R6R
RR_19.7	c19.7-d19.7-c18.8*-d18.7*	TTCGAATCGGTGGGCTATCAAGTCTGTTGACAGTCCGTTCT	R6R
RR_19.8	c19.8-d19.8-c18.9*-d18.8*	TCTATCATATTAGATTAGCACACATCTATGATCTAAATTTAT	R6R
RR_19.9	c19.9-d19.9-c18.10*-d18.9*	TCTGGAATAACGGCAGTCTGCCCCGGTGTACTAATCTTTAA	R6R
RR_19.10	c19.10-d19.10-c18.11*-d18.10*	CAAACGGATGGGTTCTCGACTGCCACATTTGGTATGTATGCT	R6R
RR_19.11	c19.11-d19.11-c18.12*-d18.11*	CCACTACTAGTACATCAATGAGAGCGAATGTTCCAGGAAAT	R6R
RR_19.12	c19.12-d19.12-c18.13*-d18.12*	TACCAGTATGCCCGGGGTGTAGTCGCTTGGAAATAATTCACTG	R6R
RR_19.13	c19.13-d19.13-c18.14*-d18.13*	GGTTATTAGCTATTGGTTTAAAGAAAACCTAGTTATACATCCG	R6R
RR_19.14	c19.14-d19.14-c18.15*-d18.14*	GGGCGACGGCGTTGGTATAAATTCCTAGAAATCTCTCGTATCC	R6R
RR_20.1	T10-d20.1-c19.1*-T10	TTTTTTTTTTTTTAAACATCATAGCGTTAATTTTTTTTTTTTT	R6R
RR_20.2	c20.2-d20.2-c19.2*-d19.1*	CAGCAAGAAAGACAAGAATGCGTCGAGTGCCTGGTAGGTAAG	R6R
RR_20.3	c20.3-d20.3-c19.3*-d19.2*	TAAGGCCGCGGTTACTGACGAATCCTCAGCGGGGTGCTAGTG	R6R
RR_20.4	c20.4-d20.4-c19.4*-d19.3*	CGGCTATTTTTAATTAAGGTCAGTGTCTTCGGTGTCCACA	R6R
RR_20.5	c20.5-d20.5-c19.5*-d19.4*	CGCCCTGTTTCGTACGTTCTTGCCCTAACGGCACATCGGCGCT	R6R
RR_20.6	c20.6-d20.6-c19.6*-d19.5*	TAAGTAATGACCGTGTAGATAATATTACAGTCTTTTACGTTT	R6R
RR_20.7	c20.7-d20.7-c19.7*-d19.6*	GCTGACTCTCTGCGCCGAATACCGATTCCGAAAGCATTGATA	R6R
RR_20.8	c20.8-d20.8-c19.8*-d19.7*	ACCTCTCCCTAGATTTTCGGGCAATATGATAGATTGATAGCCC	R6R
RR_20.9	c20.9-d20.9-c19.9*-d19.8*	TGTCATATCAGGGCACCATTATTATTTCAGAGTCTAATCT	R6R
RR_20.10	c20.10-d20.10-c19.10*-d19.9*	CTTGAAAATTTGGAACGGGTATCCATCCGTTTGGAGACTGCCG	R6R
RR_20.11	c20.11-d20.11-c19.11*-d19.10*	CAGATGTCGGAGCACCCCTAAAACCTAGTAGTGGAGTCGAGAAC	R6R
RR_20.12	c20.12-d20.12-c19.12*-d19.11*	AAAACTTAAGCCCTATGGGGAGCATACTGGTATCATTGATGT	R6R
RR_20.13	c20.13-d20.13-c19.13*-d19.12*	ACCCGAAATTTACCTAGTTGTTAGCTAATAACCTACACCCCG	R6R
RR_20.14	c20.14-d20.14-c19.14*-d19.13*	AGGTTGTATGGGGCCACATATCGCCGTCGCCCTTAAACCAAT	R6R
RR_20.15	c20.15-T11-T11-d19.14*	GTAAGTACCGTTTTTTTTTTTTTTTTTTTTTTTTTTTATACCAA	R6R
RR_21.1	c21.1-d21.1-c20.2*-d20.1*	AAAGTCATTGCATGTCTTTCGTTTCTTGCTGTGATGTTTAAA	R6R
RR_21.2	c21.2-d21.2-c20.3*-d20.2*	CCTTCTGATTAAGCAGCACATCGCGCCCTTAGCATTTCTTGTC	R6R
RR_21.3	c21.3-d21.3-c20.4*-d20.3*	AAAAGCGCAGTGCACCTATCAAAATAGCCGTCGTCAGTAAC	R6R
RR_21.4	c21.4-d21.4-c20.5*-d20.4*	ACCTCAGCCCTATTTTGGCTTGAACAGGCGCACCTTTAATTA	R6R
RR_21.5	c21.5-d21.5-c20.6*-d20.5*	CAACACTTAGTCTGTTAAAAGCTCATTACTTACAAGAAGCTAC	R6R
RR_21.6	c21.6-d21.6-c20.7*-d20.6*	CTCAATAGTTCTTTCGGTTCGGAGAGTCACTTATCTCACGG	R6R
RR_21.7	c21.7-d21.7-c20.8*-d20.7*	ACATCAATGTATCGCCCGGCGAGGAGAGGTATTCCGGCGCA	R6R
RR_21.8	c21.8-d21.8-c20.9*-d20.8*	CTGCGAAGGTGTCCTACTAATGATATGACAGCCCGAAATCT	R6R
RR_21.9	c21.9-d21.9-c20.10*-d20.9*	CCCTATGGCTAAACCTAGGGGAATTTTCAAGTAATGGTGCCC	R6R
RR_21.10	c21.10-d21.10-c20.11*-d20.10*	TATAAACACATCGAATGTCCCGGACATCTGATACCCGTTCC	R6R
RR_21.11	c21.11-d21.11-c20.12*-d20.11*	TACGTTTAAAGCTGTTGCCTCTTAAGTTTTTTTTTAGGGTGT	R6R
RR_21.12	c21.12-d21.12-c20.13*-d20.12*	CGCCAGGCATTGCGTGGTCACAAATTCGGGTTCCCATAGGC	R6R
RR_21.13	c21.13-d21.13-c20.14*-d20.13*	GCATTGCTTATTTCCAGGGACATACAACCTAACAACTAGGT	R6R
RR_21.14	c21.14-d21.14-c20.15*-d20.14*	CCACGGCTCACGTTCCAAGCTCGGTACTTACATATGTGGCCC	R6R
RR_22.1	T10-d22.1-c21.1*-T10	TTTTTTTTTTTAGGTTTCCACAGCAATGACTTTTTTTTTTTTTT	R6R
RR_22.2	c22.2-d22.2-c21.2*-d21.1*	ATACTGTTCCCGAGACCACTAATCAGAAGCCGAAAGACAT	R6R
RR_22.3	c22.3-d22.3-c21.3*-d21.2*	GAGGTATTCTACCTACGGTCTGCGCTTTTATGTGCTGCT	R6R
RR_22.4	c22.4-d22.4-c21.4*-d21.3*	AGTATTCAAGTTGCTTAAACGAAGGCTGAGGTGATAGGTGCA	R6R
RR_22.5	c22.5-d22.5-c21.5*-d21.4*	ATCGACTACCGATGGCCACGAACTAAGTGTGAAGGCAAAAT	R6R
RR_22.6	c22.6-d22.6-c21.6*-d21.5*	GCATATGTGACACGGGCACCTGAACTATTGAGGCTTTTAAACG	R6R
RR_22.7	c22.7-d22.7-c21.7*-d21.6*	TCGCCATTTTTCGATGGTCTGTACATTGATGTCGAAACCGAAA	R6R
RR_22.8	c22.8-d22.8-c21.8*-d21.7*	CCCAACTGATGTCGGGTGTACACCTTCGACGGCCCGGGCGGA	R6R
RR_22.9	c22.9-d22.9-c21.9*-d21.8*	GACCAATCGCTAGCGTTTATATAGCCATAGGGTTAGTATGGA	R6R
RR_22.10	c22.10-d22.10-c21.10*-d21.9*	CGATTTTACACGGCCTGAATATGTGTTTATACCCCTAGGTT	R6R
RR_22.11	c22.11-d22.11-c21.11*-d21.10*	TCCATGGGGACTATGGAATGCTTTAAACGTAGGGACATTCG	R6R

Seq_ID	Domains	Sequence	Used in
RR_22.12	c22.12-d22.12-c21.12*-d21.11*	ACATTAGTTAAACCGACATCAAATGCCTGGCGGAGGCAACAG	R6R
RR_22.13	c22.13-d22.13-c21.13*-d21.12*	ACACCAGTGCAGCTCGGTCCATAAGCAATGCGTGACCACGC	R6R
RR_22.14	c22.14-d22.14-c21.14*-d21.13*	TATGTCAAGGAATAAACATCGGTGAGCCGTGGTCCCTTGGAA	R6R
RR_22.15	c22.15-T11-T11-d21.14*	CGATGCTCGTTTTTTTTTTTTTTTTTTTTTTTTTTAGCTTGGAAC	R6R
RR_23.1	c23.1-d23.1-c22.2*-d22.1*	GTATCAATGCAGACAGTCTAAGGAACAGTATTTGTGGAAACCT	R6R
RR_23.2	c23.2-d23.2-c22.3*-d22.2*	CTTGGAGGTGAGACGTTTTTTTAGAATACCCTCGGTTGGTCTGG	R6R
RR_23.3	c23.3-d23.3-c22.4*-d22.3*	GCCGATCCTTTTCAGCTACCACCTTGAATACTGACCGTAGGGT	R6R
RR_23.4	c23.4-d23.4-c22.5*-d22.4*	TCTTTACTGGCGCCACTGAGGGGTAGTTCGATTCGTTAAGCAA	R6R
RR_23.5	c23.5-d23.5-c22.6*-d22.5*	ATAATGTGCTTCGCCGAAAATCACATATGCTCGTGGCCATC	R6R
RR_23.6	c23.6-d23.6-c22.7*-d22.6*	CATCATCAATAACCAGCTTTAAATAGGCGAGAGTGCCCGTG	R6R
RR_23.7	c23.7-d23.7-c22.8*-d22.7*	TCAATCGACGCTGGGGCAGGGCTAGCTTGGGCAGACCATCGA	R6R
RR_23.8	c23.8-d23.8-c22.9*-d22.8*	GTACATTCATGGGATCTGGCCGCGATTGGTCTACACCCGCAG	R6R
RR_23.9	c23.9-d23.9-c22.10*-d22.9*	TGGTCCGCACCTGTAGCGCCCTGTAAAATCGTATAAACGCTA	R6R
RR_23.10	c23.10-d23.10-c22.11*-d22.10*	TCTCACCCACTGATATCCGGACCCCATGAAAAATTCAGGGCCG	R6R
RR_23.11	c23.11-d23.11-c22.12*-d22.11*	GCTAGTCCACTAAATACAGGGTAACTAATGTCATTCATAGT	R6R
RR_23.12	c23.12-d23.12-c22.13*-d22.12*	GAAGATCCCTTACGCGGTGCCGACTGGTGTGATGTCGGTT	R6R
RR_23.13	c23.13-d23.13-c22.14*-d22.13*	TTCAATTCACCGGTGGATGGTCCCTTGACATAGGACCGACTGC	R6R
RR_23.14	c23.14-d23.14-c22.15*-d22.14*	ACACCATGCAGGATAGGATGCACGAGCATCGCGATGTTTATT	R6R
RR_24.1	T10-d24.1-c23.1*-T10	TTTTTTTTTTGGTGACAAGCTGCATGATACTTTTTTTTTTT	R6R
RR_24.2	c24.2-d24.2-c23.2*-d23.1*	CAGCGGATCGTGAAATGGCATCACCTCCAAGTTAGACTGTC	R6R
RR_24.3	c24.3-d24.3-c23.3*-d23.2*	AGTTTACAGCCGGATGAAGGAAAAGGATCGGCCAAAAACGTC	R6R
RR_24.4	c24.4-d24.4-c23.4*-d23.3*	ATGACCTCCGACTCTGCCGAGCCAGTAAAGAGTGGTAGCTG	R6R
RR_24.5	c24.5-d24.5-c23.5*-d23.4*	TCGTGTCAATGGCTAGATTAAGCACATTATCCTCAGTGGC	R6R
RR_24.6	c24.6-d24.6-c23.6*-d23.5*	GGCCAGATGGTCTGAGCCCTTATTGATGATGTTTTTCAGGCG	R6R
RR_24.7	c24.7-d24.7-c23.7*-d23.6*	TCTCTACCTAGGACCCCATGGCGTCGATGAAAAGCGTGGT	R6R
RR_24.8	c24.8-d24.8-c23.8*-d23.7*	TATCATGTTAGGCTGGCCGGGCATGAATGTACCCTGCCCA	R6R
RR_24.9	c24.9-d24.9-c23.9*-d23.8*	CTGCTCCATCTGCGCACCCGGCGGTGCGGACCAGGCCAGATCC	R6R
RR_24.10	c24.10-d24.10-c23.10*-d23.9*	GCCGACAGGAGGTAATGGGCAGTGGGTGAGAGGGCGCTACA	R6R
RR_24.11	c24.11-d24.11-c23.11*-d23.10*	ACTGTGTGATCTCTAACCAAGTGGACTAGCTCCGGATATC	R6R
RR_24.12	c24.12-d24.12-c23.12*-d23.11*	TCGGGCGGTATTAACGATGAAAAGGGATCTTCCCTGTATTT	R6R
RR_24.13	c24.13-d24.13-c23.13*-d23.12*	CCGATTTAATGGATTTTGTGCGTTGAATTGAAGGCAGGCGT	R6R
RR_24.14	c24.14-d24.14-c23.14*-d23.13*	TTTTTACTGATAGTTACTGGCCTGCATGGTGTACCATCCACC	R6R
RR_24.15	c24.15-T11-T11-d23.14*	GAAAACCGTATTTTTTTTTTTTTTTTTTTTTTTTGCATCCTATC	R6R
RR_25.1	c24.2*-d24.1*	CGATCCGCTGGGCTTGTACC	R6R
RR_25.2	c24.3*-d24.2*	GGTCTAAACTTGCCAATTTCA	R6R
RR_25.3	c24.4*-d24.3*	GGGAGGTCATTCCTTCATCCC	R6R
RR_25.4	c24.5*-d24.4*	TTGACCACGATCGGCAGAGTC	R6R
RR_25.5	c24.6*-d24.5*	CCATCTGGCCAATCTAGCCAA	R6R
RR_25.6	c24.7*-d24.6*	TAGGTAGAGAAAAGGGCTCAGA	R6R
RR_25.7	c24.8*-d24.7*	TAACATGATACCATGGGGTCC	R6R
RR_25.8	c24.9*-d24.8*	GATGGAGCAGCCCGCCAGCC	R6R
RR_25.9	c24.10*-d24.9*	TCCTGTGCGGCGCGGTGCGCA	R6R
RR_25.10	c24.11*-d24.10*	CACACACAGTGCCCATTTACC	R6R
RR_25.11	c24.12*-d24.11*	TACGGCCCGATGGTTAGAGAT	R6R
RR_25.12	c24.13*-d24.12*	ATTAAATCGGTTTCATCGTTAA	R6R
RR_25.13	c24.14*-d24.13*	TCAGTGAAAAGCACAAAATCC	R6R
RR_25.14	c24.15*-d24.14*	TACGGTTTTTCGCCAGTAACTA	R6R

Seq_ID	Domains	Sequence	Note
P1_2.1	a1.1*-T10	GTACCACCCGTTTTTTTTTTT	GTACCACCCGTTTTTTTTTTT
P1_2.2	a1.2*-T10	GTGCCCGGAGGTTTTTTTTTTT	GTGCCCGGAGGTTTTTTTTTTT
P1_2.3	a1.3*-T10	GAGATCGGTTGTTTTTTTTTTT	GAGATCGGTTGTTTTTTTTTTT
P1_2.4	a1.4*-T10	GCTTTGACGGTTTTTTTTTTT	GCTTTGACGGTTTTTTTTTTT
P1_2.5	a1.5*-T10	GTTCTAAATAGTTTTTTTTTTT	GTTCTAAATATTTTTTTTTTTT
P1_2.6	a1.6*-T10	GGTGGGCCTGGTTTTTTTTTTT	GGTGGGCCTGTTTTTTTTTTT
P1_2.7	a1.7*-T10	GAGCCTTTAAGTTTTTTTTTTT	GAGCCTTTAATTTTTTTTTTTT
P1_2.8	a1.8*-T10	GTCGTGATCTGTTTTTTTTTTT	GTCGTGATCTTTTTTTTTTTT
P1_2.9	a1.9*-T10	GGATAGAGGCGTTTTTTTTTTT	GGATAGAGGCTTTTTTTTTTT
P1_2.10	a1.10*-T10	GTTCTCAGCGTTTTTTTTTTT	GTTCTCAGCGTTTTTTTTTTT
P1_2.11	a1.11*-T10	GGGCGAGACCGTTTTTTTTTTT	GGGCGAGACCTTTTTTTTTTTT
P1_2.12	a1.12*-T10	GTTGGCGCCGTTTTTTTTTTT	GTTGGCGCCCTTTTTTTTTTTT
P1_2.13	a1.13*-T10	GGGATGTCCTGTTTTTTTTTTT	GGGATGTCCTTTTTTTTTTTT
P1_2.14	a1.14*-T10	GCGCATCTCCGTTTTTTTTTTT	GCGCATCTCCTTTTTTTTTTT
P1_3.1	a2.2*-T11	GACCAGCCCGTTTTTTTTTTT	GACCAGCCCGATTTTTTTTTTTT
P1_3.2	a2.3*-T11	GGAAACTTCGTTTTTTTTTTT	GGAAACTTCGATTTTTTTTTTTT
P1_3.3	a2.4*-T11	GCACCTGAAGTTTTTTTTTTT	GCACCTGAAGATTTTTTTTTTTT
P1_3.4	a2.5*-T11	GCTGAAATCGTTTTTTTTTTT	GCTGAAATCGATTTTTTTTTTTT
P1_3.5	a2.6*-T11	GGCGCATTGGTTTTTTTTTTT	GGCGCATTGGATTTTTTTTTTTT
P1_3.6	a2.7*-T11	GGATGTGATGTTTTTTTTTTT	GGATGTGATGATTTTTTTTTTTT
P1_3.7	a2.8*-T11	GCAGACTGTGTTTTTTTTTTT	GCAGACTGTGATTTTTTTTTTTT
P1_3.8	a2.9*-T11	GGTATCCAAGTTTTTTTTTTT	GGTATCCAAGATTTTTTTTTTTT
P1_3.9	a2.10*-T11	GCTAGAGTTGTTTTTTTTTTT	GCTAGAGTTGATTTTTTTTTTTT
P1_3.10	a2.11*-T11	GTTATGTGAGTTTTTTTTTTT	GTTATGTGAGATTTTTTTTTTTT
P1_3.11	a2.12*-T11	GCCTCGCAAGTTTTTTTTTTT	GCCTCGCAAGATTTTTTTTTTTT
P1_3.12	a2.13*-T11	GAGTCCGCTGTTTTTTTTTTT	GAGTCCGCTGATTTTTTTTTTTT
P1_3.13	a2.14*-T11	GCACACGATGTTTTTTTTTTT	GCACACGATGATTTTTTTTTTTT
P1_3.14	a2.15*-T11	GACAAATAGGTTTTTTTTTTT	GACAAATAGGATTTTTTTTTTTT
P1_4.1	a3.1*-T10	GACACGCGCGTTTTTTTTTTT	GACACGCGCGTTTTTTTTTTT
P1_4.2	a3.2*-T10	GGCCCTAATGGTTTTTTTTTTT	GGCCCTAATGTTTTTTTTTTT
P1_4.3	a3.3*-T10	GTCGATATATGTTTTTTTTTTT	GTCGATATATTTTTTTTTTTT
P1_4.4	a3.4*-T10	GCCAACCTTCGTTTTTTTTTTT	GCCAACCTTCCTTTTTTTTTTTT
P1_4.5	a3.5*-T10	GAAACCGTATGTTTTTTTTTTT	GAAACCGTATTTTTTTTTTTT
P1_4.6	a3.6*-T10	GCCGAGCCTTGTTTTTTTTTTTT	GCCGAGCCTTTTTTTTTTTTTT
P1_4.7	a3.7*-T10	GAGCTAAGTTGTTTTTTTTTTT	GAGCTAAGTTTTTTTTTTTTT
P1_4.8	a3.8*-T10	GATGGGAAGTGTTTTTTTTTTTT	GATGGGAAGTTTTTTTTTTTTT
P1_4.9	a3.9*-T10	GCGCGGACTTGTTTTTTTTTTTT	GCGCGGACTTTTTTTTTTTTTT
P1_4.10	P1_x.y	GATTCTACAGTTTTTTTTTTT	GATTCTACACTTTTTTTTTTTT
P1_4.11	a3.11*-T10	GCTCTCAGCTGTTTTTTTTTTT	GCTCTCAGCTTTTTTTTTTTT
P1_4.12	a3.12*-T10	GCCCTAAGATGTTTTTTTTTTT	GCCCTAAGATTTTTTTTTTTTTT
P1_4.13	a3.13*-T10	GTCGAGAAAGTTTTTTTTTTTT	GTCGAGAAAGTTTTTTTTTTTTT
P1_4.14	a3.14*-T10	GAAACAGGGCTTTTTTTTTTTT	GAAACAGGGCTTTTTTTTTTTTTT
P1_5.1	a4.2*-T11	GTAGAGCCTGTTTTTTTTTTT	GTAGAGCCTGATTTTTTTTTTTT
P1_5.2	a4.3*-T11	GTCTAGCGCGTTTTTTTTTTT	GTCTAGCGCGATTTTTTTTTTTT
P1_5.3	a4.4*-T11	GATAGCGTAGTTTTTTTTTTT	GATAGCGTAGATTTTTTTTTTTT
P1_5.4	a4.5*-T11	GTTTACTCCGTTTTTTTTTTT	GTTTACTCCGATTTTTTTTTTTT
P1_5.5	a4.6*-T11	GCTTTATCTGTTTTTTTTTTT	GCTTTATCTGATTTTTTTTTTTT
P1_5.6	a4.7*-T11	GAAGGAGGCGTTTTTTTTTTT	GAAGGAGGCGATTTTTTTTTTTT
P1_5.7	a4.8*-T11	GCCTAGTTGGTTTTTTTTTTT	GCCTAGTTGGATTTTTTTTTTTT
P1_5.8	a4.9*-T11	GCATCATTAGTTTTTTTTTTT	GCATCATTAGATTTTTTTTTTTT
P1_5.9	a4.10*-T11	GTA CTGGCGGTTTTTTTTTTT	GTA CTGGCGGATTTTTTTTTTTT
P1_5.10	a4.11*-T11	GAACGCCACGTTTTTTTTTTT	GAACGCCACGATTTTTTTTTTTT
P1_5.11	a4.12*-T11	GAATAAAGTGTTTTTTTTTTT	GAATAAAGTGATTTTTTTTTTTT
P1_5.12	a4.13*-T11	GACGGTCGGGTTTTTTTTTTT	GACGGTCGGGATTTTTTTTTTTT
P1_5.13	a4.14*-T11	GTCAAATCCGTTTTTTTTTTT	GTCAAATCCGATTTTTTTTTTTT
P1_5.14	a4.15*-T11	GGCGAGCATGTTTTTTTTTTT	GGCGAGCATGATTTTTTTTTTTT
P1_6.1	a5.1*-T10	GATGAAGTCCGTTTTTTTTTTT	GATGAAGTCCTTTTTTTTTTTTT
P1_6.2	a5.2*-T10	GTCATCAACGGTTTTTTTTTTT	GTCATCAACGTTTTTTTTTTTTT
P1_6.3	a5.3*-T10	GGTCCCATTAGTTTTTTTTTTT	GGTCCCATTATTTTTTTTTTTTTT
P1_6.4	a5.4*-T10	GAAGGAAGTGTTTTTTTTTTT	GAAGGAAGTGTTTTTTTTTTTTT
P1_6.5	a5.5*-T10	GCTATGTACTGTTTTTTTTTTT	GCTATGTACTTTTTTTTTTTTTT
P1_6.6	a5.6*-T10	GGCTCCCTTCGTTTTTTTTTTT	GGCTCCCTTCCTTTTTTTTTTTTTT
P1_6.7	a5.7*-T10	GCTACTGGCGTTTTTTTTTTT	GCTACTGGCTTTTTTTTTTTTTT

Seq_ID	Domains	Sequence	Note
P1_6.8	a5.8*-T10	GATGCTGCTAGTTTTTTTTTTT	GATGCTGCTATTTTTTTTTTTT
P1_6.9	a5.9*-T10	GTACGCGCTTGTTTTTTTTTTT	GTACGCGCTTTTTTTTTTTTTT
P1_6.10	a5.10*-T10	GGTGCGCAGGTTTTTTTTTTTT	GGTGCGCAGGTTTTTTTTTTTT
P1_6.11	a5.11*-T10	GAGGGTTAGGTTTTTTTTTTTT	GAGGGTTAGGTTTTTTTTTTTT
P1_6.12	a5.12*-T10	GATGTTTGCAGTTTTTTTTTTTT	GATGTTTGCATTTTTTTTTTTTT
P1_6.13	a5.13*-T10	GCCGTACCATGTTTTTTTTTTTT	GCCGTACCATTTTTTTTTTTTTT
P1_6.14	a5.14*-T10	GCAGCCGCATGTTTTTTTTTTTT	GCAGCCGCATTTTTTTTTTTTTT
P1_7.1	a6.2*-T11	GGACCACGGGTTTTTTTTTTTTT	GGACCACGGGATTTTTTTTTTTTT
P1_7.2	a6.3*-T11	GCCAATAAAGTTTTTTTTTTTTT	GCCAATAAAGATTTTTTTTTTTTT
P1_7.3	a6.4*-T11	GCTTCTAGTGTTTTTTTTTTTTT	GCTTCTAGGATTTTTTTTTTTTT
P1_7.4	a6.5*-T11	GGCTCTCGCGTTTTTTTTTTTTT	GGCTCTCGCATTTTTTTTTTTTT
P1_7.5	a6.6*-T11	GAAGGACGCGTTTTTTTTTTTTT	GAAGGACGCGATTTTTTTTTTTTT
P1_7.6	a6.7*-T11	GACTAACTGGTTTTTTTTTTTTT	GACTAACTGGATTTTTTTTTTTTT
P1_7.7	a6.8*-T11	GGAGTATGGTTTTTTTTTTTTT	GGAGTATGGATTTTTTTTTTTTT
P1_7.8	a6.9*-T11	GGCCGATTGGTTTTTTTTTTTTT	GGCCGATTGGATTTTTTTTTTTTT
P1_7.9	a6.10*-T11	GAATATAGGGTTTTTTTTTTTTT	GAATATAGGATTTTTTTTTTTTT
P1_7.10	a6.11*-T11	GCGGCCACCGTTTTTTTTTTTTT	GCGGCCACCGATTTTTTTTTTTTT
P1_7.11	a6.12*-T11	GAAGCAACAGTTTTTTTTTTTTT	GAAGCAACAGATTTTTTTTTTTTT
P1_7.12	a6.13*-T11	GCCAACGCTGTTTTTTTTTTTTT	GCCAACGCTGATTTTTTTTTTTTT
P1_7.13	a6.14*-T11	GCTGACCACGTTTTTTTTTTTTT	GCTGACCACGATTTTTTTTTTTTT
P1_7.14	a6.15*-T11	GGCGTCAGGGTTTTTTTTTTTTT	GGCGTCAGGGATTTTTTTTTTTTT
P1_8.1	a7.1*-T10	GAGACCAATCGTTTTTTTTTTTT	GAGACCAATCTTTTTTTTTTTTT
P1_8.2	a7.2*-T10	GAGCCGCGCCGTTTTTTTTTTTT	GAGCCGCGCCTTTTTTTTTTTTT
P1_8.3	a7.3*-T10	GCCATCCTCTGTTTTTTTTTTTT	GCCATCCTCTTTTTTTTTTTTTT
P1_8.4	a7.4*-T10	GCCCTTTGGTGTTTTTTTTTTTTT	GCCCTTTGGTTTTTTTTTTTTTT
P1_8.5	a7.5*-T10	GTCTGAACAAGTTTTTTTTTTTT	GTCTGAACAATTTTTTTTTTTTT
P1_8.6	a7.6*-T10	GGGATGCTCTGTTTTTTTTTTTT	GGGATGCTCTTTTTTTTTTTTTT
P1_8.7	a7.7*-T10	GAACCAGTACGTTTTTTTTTTTT	GAACCAGTACTTTTTTTTTTTTT
P1_8.8	a7.8*-T10	GGCGTCCGAGTTTTTTTTTTTTT	GGCGTCCGAGTTTTTTTTTTTTT
P1_8.9	a7.9*-T10	GAGTTTGGTGTTTTTTTTTTTTT	GAGTTTGGTGTTTTTTTTTTTTT
P1_8.10	a7.10*-T10	GTTCACTCATGTTTTTTTTTTTT	GTTCACTCATTTTTTTTTTTTTTT
P1_8.11	a7.11*-T10	GTGTACTCTAGTTTTTTTTTTTT	GTGTACTCTATTTTTTTTTTTTT
P1_8.12	a7.12*-T10	GATACTTCTCGTTTTTTTTTTTT	GATACTTCTCTTTTTTTTTTTTT
P1_8.13	a7.13*-T10	GTCCCTCAATAGTTTTTTTTTTTT	GTCCCTCAATATTTTTTTTTTTTT
P1_8.14	a7.14*-T10	GCAGCAGTCGGTTTTTTTTTTTT	GCAGCAGTCGTTTTTTTTTTTTT
P1_9.1	a8.2*-T11	GGCTGTGCGGTTTTTTTTTTTTT	GGCTGTGCGGATTTTTTTTTTTTT
P1_9.2	a8.3*-T11	GGGAACCTAGTTTTTTTTTTTTT	GGGAACCTAGATTTTTTTTTTTTT
P1_9.3	a8.4*-T11	GTAGCCATAGTTTTTTTTTTTTT	GTAGCCATAGATTTTTTTTTTTTT
P1_9.4	a8.5*-T11	GGACAACACGTTTTTTTTTTTTT	GGACAACACGATTTTTTTTTTTTT
P1_9.5	a8.6*-T11	GAGACGCTCGTTTTTTTTTTTTT	GAGACGCTCGATTTTTTTTTTTTT
P1_9.6	a8.7*-T11	GGAGCGTCAGTTTTTTTTTTTTT	GGAGCGTCAGATTTTTTTTTTTTT
P1_9.7	a8.8*-T11	GTTAAATGTGTTTTTTTTTTTTT	GTTAAATGTGATTTTTTTTTTTTT
P1_9.8	a8.9*-T11	GCGTATGTTGTTTTTTTTTTTTT	GCGTATGTTGATTTTTTTTTTTTT
P1_9.9	a8.10*-T11	GGAAGTATTGTTTTTTTTTTTTT	GGAAGTATTGATTTTTTTTTTTTT
P1_9.10	a8.11*-T11	GGGCTGGAAGTTTTTTTTTTTTT	GGGCTGGAAGATTTTTTTTTTTTT
P1_9.11	a8.12*-T11	GTGGATAGGGTTTTTTTTTTTTT	GTGGATAGGGATTTTTTTTTTTTT
P1_9.12	a8.13*-T11	GGGCTTGGAGTTTTTTTTTTTTT	GGGCTTGGAGATTTTTTTTTTTTT
P1_9.13	a8.14*-T11	GATCCGTAGGTTTTTTTTTTTTT	GATCCGTAGGATTTTTTTTTTTTT
P1_9.14	a8.15*-T11	GCGTTGCTGGTTTTTTTTTTTTT	GCGTTGCTGGATTTTTTTTTTTTT
P1_10.1	a9.1*-T10	GTCCGGTAAGTTTTTTTTTTTTT	GTCCGGTAAGTTTTTTTTTTTTT
P1_10.2	a9.2*-T10	GCCGCGGTAAGTTTTTTTTTTTT	GCCGCGGTAATTTTTTTTTTTTT
P1_10.3	a9.3*-T10	GTTCGATCAAGTTTTTTTTTTTT	GTTCGATCAATTTTTTTTTTTTT
P1_10.4	a9.4*-T10	GATCAAACAGTTTTTTTTTTTTT	GATCAAACCATTTTTTTTTTTTT
P1_10.5	a9.5*-T10	GTCAACACGGTTTTTTTTTTTTT	GTCAACACGGTTTTTTTTTTTTT
P1_10.6	a9.6*-T10	GGATCTAGCGTTTTTTTTTTTTT	GGATCTAGCGTTTTTTTTTTTTT
P1_10.7	a9.7*-T10	GCTAGCCTGCGTTTTTTTTTTTT	GCTAGCCTGCTTTTTTTTTTTTT
P1_10.8	a9.8*-T10	GTTGACCGGATTTTTTTTTTTTT	GTTGACCGGATTTTTTTTTTTTT
P1_10.9	a9.9*-T10	GTTAAAGACCTTTTTTTTTTTTT	GTTAAAGACCTTTTTTTTTTTTT
P1_10.10	a9.10*-T10	GTGACGAACTTTTTTTTTTTTTT	GTGACGAACTTTTTTTTTTTTTT
P1_10.11	a9.11*-T10	GAGACAGTATGTTTTTTTTTTTT	GAGACAGTATTTTTTTTTTTTTT
P1_10.12	a9.12*-T10	GTAAAGCCAAGTTTTTTTTTTTT	GTAAAGCCAATTTTTTTTTTTTT
P1_10.13	a9.13*-T10	GTGCCCTTACGTTTTTTTTTTTT	GTGCCCTTACTTTTTTTTTTTTT
P1_10.14	a9.14*-T10	GCTAAAGCGATTTTTTTTTTTTT	GCTAAAGCGATTTTTTTTTTTTT

Seq_ID	Domains	Sequence	Note
P1_11.1	a10.2*-T11	GAGAGGTATGTTTTTTTTTTT	GAGAGGTATGATTTTTTTTTTT
P1_11.2	a10.3*-T11	GTGTGGTGTGTTTTTTTTTTT	GTGTGGTGTGATTTTTTTTTTT
P1_11.3	a10.4*-T11	GACTGCGTGGTTTTTTTTTTT	GACTGCGTGGATTTTTTTTTTT
P1_11.4	a10.5*-T11	GCTTGCGTTGTTTTTTTTTTT	GCTTGCGTTGATTTTTTTTTTT
P1_11.5	a10.6*-T11	GGCCACTACGTTTTTTTTTTT	GGCCACTACGATTTTTTTTTTT
P1_11.6	a10.7*-T11	GTTCCACGAGTTTTTTTTTTT	GTTCCACGAGATTTTTTTTTTT
P1_11.7	a10.8*-T11	GAGGGCGGTGTTTTTTTTTTT	GAGGGCGGTGATTTTTTTTTTT
P1_11.8	a10.9*-T11	GTTTAATTCGTTTTTTTTTTT	GTTTAATTCGATTTTTTTTTTT
P1_11.9	a10.10*-T11	GTCGCTTATGTTTTTTTTTTT	GTCGCTTATGATTTTTTTTTTT
P1_11.10	a10.11*-T11	GGGTTGCGAGTTTTTTTTTTT	GGGTTGCGAGATTTTTTTTTTT
P1_11.11	a10.12*-T11	GCCAGTAGTGTTTTTTTTTTT	GCCAGTAGTGATTTTTTTTTTT
P1_11.12	a10.13*-T11	GACCTTACAGTTTTTTTTTTT	GACCTTACAGATTTTTTTTTTT
P1_11.13	a10.14*-T11	GGTTAGACGGTTTTTTTTTTT	GGTTAGACGGATTTTTTTTTTT
P1_11.14	a10.15*-T11	GACGTTGCCGTTTTTTTTTTT	GACGTTGCCGATTTTTTTTTTT
P1_12.1	a11.1*-T10	GGAAGCAAAGGTTTTTTTTTTT	GGAAGCAAAGTTTTTTTTTTT
P1_12.2	a11.2*-T10	GCGCCTCCACGTTTTTTTTTTT	GCGCCTCCACTTTTTTTTTTTT
P1_12.3	a11.3*-T10	GGGTTGCGAGTTTTTTTTTTT	GGGTTGCGAGATTTTTTTTTTT
P1_12.4	a11.4*-T10	GTGAAGAAGCGTTTTTTTTTTT	GTGAAGAAGCTTTTTTTTTTTT
P1_12.5	a11.5*-T10	GGCTATATCTGTTTTTTTTTTT	GGCTATATCTTTTTTTTTTTT
P1_12.6	a11.6*-T10	GGCTGCGGATTTTTTTTTTTT	GGCTGCGGATTTTTTTTTTTT
P1_12.7	a11.7*-T10	GATCTGCATCGTTTTTTTTTTT	GATCTGCATCTTTTTTTTTTTT
P1_12.8	a11.8*-T10	GATGGCTATTGTTTTTTTTTTT	GATGGCTATTTTTTTTTTTT
P1_12.9	a11.9*-T10	GTCCAAGGACGTTTTTTTTTTT	GTCCAAGGACTTTTTTTTTTTT
P1_12.10	a11.10*-T10	GGCCTTCGCAGTTTTTTTTTTT	GGCCTTCGCATTTTTTTTTTTT
P1_12.11	a11.11*-T10	GTTCGAAGAATTTTTTTTTTTT	GTTCGAAGAATTTTTTTTTTTT
P1_12.12	a11.12*-T10	GGACACGACTGTTTTTTTTTTT	GGACACGACTTTTTTTTTTTT
P1_12.13	a11.13*-T10	GCCATGTAATGTTTTTTTTTTT	GCCATGTAATTTTTTTTTTTT
P1_12.14	a11.14*-T10	GTGGATGCTGGTTTTTTTTTTT	GTGGATGCTGTTTTTTTTTTT
P1_13.1	a12.2*-T11	GCGTCGCCAGTTTTTTTTTTT	GCGTCGCCAGATTTTTTTTTTT
P1_13.2	a12.3*-T11	GTAGACCAAGTTTTTTTTTTT	GTAGACCAAGATTTTTTTTTTT
P1_13.3	a12.4*-T11	GTGGCGCGCGTTTTTTTTTTT	GTGGCGCGCGATTTTTTTTTTT
P1_13.4	a12.5*-T11	GTAAATCTGGTTTTTTTTTTT	GTAAATCTGGATTTTTTTTTTT
P1_13.5	a12.6*-T11	GAGCGCGCCGTTTTTTTTTTT	GAGCGCGCCGATTTTTTTTTTT
P1_13.6	a12.7*-T11	GCGGAGCGCGTTTTTTTTTTT	GCGGAGCGCGATTTTTTTTTTT
P1_13.7	a12.8*-T11	GGTACCGATGTTTTTTTTTTT	GGTACCGATGATTTTTTTTTTT
P1_13.8	a12.9*-T11	GATCAATTTGTTTTTTTTTTT	GATCAATTTGATTTTTTTTTTT
P1_13.9	a12.10*-T11	GTCCGTGAAGTTTTTTTTTTT	GTCCGTGAAGATTTTTTTTTTT
P1_13.10	a12.11*-T11	GTCAGGCGCGTTTTTTTTTTT	GTCAGGCGCGATTTTTTTTTTT
P1_13.11	a12.12*-T11	GAGGTTTGAGTTTTTTTTTTT	GAGGTTTGAGATTTTTTTTTTT
P1_13.12	a12.13*-T11	GTGATGTATGTTTTTTTTTTT	GTGATGTATGATTTTTTTTTTT
P1_13.13	a12.14*-T11	GCACCCGTGGTTTTTTTTTTT	GCACCCGTGGATTTTTTTTTTT
P1_13.14	a12.15*-T11	GAGGAGGTGGTTTTTTTTTTT	GAGGAGGTGGATTTTTTTTTTT
P1_14.1	a13.1*-T10	GGTACTTCGGTTTTTTTTTTT	GGTACTTCGGTTTTTTTTTTT
P1_14.2	a13.2*-T10	GCCTGGTAACGTTTTTTTTTTT	GCCTGGTAACTTTTTTTTTTT
P1_14.3	a13.3*-T10	GAGTGGGACAGTTTTTTTTTTT	GAGTGGGACATTTTTTTTTTTT
P1_14.4	a13.4*-T10	GCAATATAATGTTTTTTTTTTT	GCAATATAATTTTTTTTTTTT
P1_14.5	a13.5*-T10	GGGCATGCACGTTTTTTTTTTT	GGGCATGCACTTTTTTTTTTT
P1_14.6	a13.6*-T10	GCAGTGCAATGTTTTTTTTTTT	GCAGTGCAATTTTTTTTTTTT
P1_14.7	a13.7*-T10	GGTCGATGAAGTTTTTTTTTTT	GGTCGATGAATTTTTTTTTTTT
P1_14.8	a13.8*-T10	GACGCCGGTAGTTTTTTTTTTT	GACGCCGGTATTTTTTTTTTTT
P1_14.9	a13.9*-T10	GCACACCGCGTTTTTTTTTTT	GCACACCGCGTTTTTTTTTTT
P1_14.10	a13.10*-T10	GGAACCTCGGGTTTTTTTTTTT	GGAACCTCGGTTTTTTTTTTT
P1_14.11	a13.11*-T10	GCACGCTCATGTTTTTTTTTTT	GCACGCTCATTTTTTTTTTTT
P1_14.12	a13.12*-T10	GTATCCAGAGTTTTTTTTTTT	GTATCCAGATTTTTTTTTTTT
P1_14.13	a13.13*-T10	GCAACGAATAGTTTTTTTTTTT	GCAACGAATATTTTTTTTTTTT
P1_14.14	a13.14*-T10	GTCTGCGAGGGTTTTTTTTTTT	GTCTGCGAGGTTTTTTTTTTT
P1_15.1	a14.2*-T11	GTCGCATCGGTTTTTTTTTTT	GTCGCATCGGATTTTTTTTTTT
P1_15.2	a14.3*-T11	GCTGGCAGCGTTTTTTTTTTT	GCTGGCAGCGATTTTTTTTTTT
P1_15.3	a14.4*-T11	GACCCCTCTGTTTTTTTTTTT	GACCCCTCTGATTTTTTTTTTT
P1_15.4	a14.5*-T11	GCGGCGCTCGTTTTTTTTTTT	GCGGCGCTCGATTTTTTTTTTT
P1_15.5	a14.6*-T11	GAGCCCTCTGTTTTTTTTTTT	GAGCCCTCTGATTTTTTTTTTT
P1_15.6	a14.7*-T11	GTCGTCCAGTTTTTTTTTTT	GTCGTCCAGATTTTTTTTTTT
P1_15.7	a14.8*-T11	GCTGGTGCAGTTTTTTTTTTT	GCTGGTGCAGATTTTTTTTTTT

Seq_ID	Domains	Sequence	Note
P1_15.8	a14.9*-T11	GTTTCCTTTGTTTTTTTTTTT	GTTTCCTTTGATTTTTTTTTTT
P1_15.9	a14.10*-T11	GAGAGCAGAGTTTTTTTTTTTT	GAGAGCAGAGATTTTTTTTTTT
P1_15.10	a14.11*-T11	GTCTTACATGTTTTTTTTTTTT	GTCTTACATGATTTTTTTTTTT
P1_15.11	a14.12*-T11	GTTCCFAAAGTTTTTTTTTTTT	GTTCCFAAAGATTTTTTTTTTT
P1_15.12	a14.13*-T11	GATCGCTGGGTTTTTTTTTTTT	GATCGCTGGGATTTTTTTTTTT
P1_15.13	a14.14*-T11	GCTGTTGCTGTTTTTTTTTTTT	GCTGTTGCTGATTTTTTTTTTT
P1_15.14	a14.15*-T11	GTTACTATAGTTTTTTTTTTTT	GTTACTATAGATTTTTTTTTTT
P1_16.1	a15.1*-T10	GGCTTGCCCAAGTTTTTTTTTTTT	GGCTTGCCCAATTTTTTTTTTTT
P1_16.2	a15.2*-T10	GGGACCGCACGTTTTTTTTTTTT	GGGACCGCACATTTTTTTTTTTT
P1_16.3	a15.3*-T10	GGCGGCCCGCTTTTTTTTTTTTT	GGCGGCCCGCATTTTTTTTTTTT
P1_16.4	a15.4*-T10	GTACAAGATAGTTTTTTTTTTTT	GTACAAGATATTTTTTTTTTTT
P1_16.5	a15.5*-T10	GGACGGTTTGGTTTTTTTTTTTT	GGACGGTTTGTTTTTTTTTTTTT
P1_16.6	a15.6*-T10	GTTGGGACATTTTTTTTTTTTT	GTTGGGACATTTTTTTTTTTTT
P1_16.7	a15.7*-T10	GAACGGCTGTTTTTTTTTTTT	GAACGGCTGTTTTTTTTTTTT
P1_16.8	a15.8*-T10	GAGCGGTCAAGTTTTTTTTTTTT	GAGCGGTCAATTTTTTTTTTTTT
P1_16.9	a15.9*-T10	GTGGCCCGCAGTTTTTTTTTTTT	GTGGCCCGCATTTTTTTTTTTTT
P1_16.10	a15.10*-T10	GACTAAGTAGTTTTTTTTTTTT	GACTAAGTAGATTTTTTTTTTTT
P1_16.11	a15.11*-T10	GCAGCAAGTAGTTTTTTTTTTTT	GCAGCAAGTAGATTTTTTTTTTTT
P1_16.12	a15.12*-T10	GGCAGATACTTTTTTTTTTTTT	GGCAGATACTTTTTTTTTTTTT
P1_16.13	a15.13*-T10	GTGCCAAAGCCTTTTTTTTTTTTT	GTGCCAAAGCATTTTTTTTTTTT
P1_16.14	a15.14*-T10	GTGCAACACCGTTTTTTTTTTTT	GTGCAACACCTTTTTTTTTTTTT
P1_17.1	a16.2*-T11	GTATGCTTGTTTTTTTTTTTTT	GTATGCTTGTATTTTTTTTTTTT
P1_17.2	a16.3*-T11	GGTGGTCTAGTTTTTTTTTTTT	GGTGGTCTAGATTTTTTTTTTTT
P1_17.3	a16.4*-T11	GCCACAAGGGTTTTTTTTTTTT	GCCACAAGGGATTTTTTTTTTTT
P1_17.4	a16.5*-T11	GGGTTCGGTGTTTTTTTTTTTTT	GGGTTCGGTGTATTTTTTTTTTTT
P1_17.5	a16.6*-T11	GAACTTCAGGTTTTTTTTTTTT	GAACTTCAGGATTTTTTTTTTTT
P1_17.6	a16.7*-T11	GGTCACTCAGTTTTTTTTTTTT	GGTCACTCAGATTTTTTTTTTTT
P1_17.7	a16.8*-T11	GTGCTGAGGGTTTTTTTTTTTT	GTGCTGAGGGATTTTTTTTTTTT
P1_17.8	a16.9*-T11	GTCCCTACCAGTTTTTTTTTTTT	GTCCCTACCAGATTTTTTTTTTTT
P1_17.9	a16.10*-T11	GCAGGGCACGTTTTTTTTTTTT	GCAGGGCACGATTTTTTTTTTTT
P1_17.10	a16.11*-T11	GTAATGTTGGTTTTTTTTTTTT	GTAATGTTGGATTTTTTTTTTTT
P1_17.11	a16.12*-T11	GTGTTTGTGCTTTTTTTTTTTTT	GTGTTTGTGCTATTTTTTTTTTTT
P1_17.12	a16.13*-T11	GCGGTGGGCGTTTTTTTTTTTT	GCGGTGGGCGATTTTTTTTTTTT
P1_17.13	a16.14*-T11	GCTCGTCCCGTTTTTTTTTTTT	GCTCGTCCCGATTTTTTTTTTTT
P1_17.14	a16.15*-T11	GAGTACAATGTTTTTTTTTTTT	GAGTACAATGATTTTTTTTTTTT
P1_18.1	a17.1*-T10	GGTACCCAAAGTTTTTTTTTTTT	GGTACCCAAATTTTTTTTTTTT
P1_18.2	a17.2*-T10	GCGGACATGCGTTTTTTTTTTTT	GCGGACATGCTTTTTTTTTTTTT
P1_18.3	a17.3*-T10	GACGTCCTTAGTTTTTTTTTTTT	GACGTCCTTATTTTTTTTTTTTT
P1_18.4	a17.4*-T10	GTATGCATTTGTTTTTTTTTTTT	GTATGCATTTTTTTTTTTTTTTT
P1_18.5	a17.5*-T10	GACTCTAAGTGTTTTTTTTTTTTT	GACTCTAAGTTTTTTTTTTTTTTT
P1_18.6	a17.6*-T10	GTACATGAGAGTTTTTTTTTTTT	GTACATGAGATTTTTTTTTTTTT
P1_18.7	a17.7*-T10	GTGACAGCTGTTTTTTTTTTTT	GTGACAGCTGTTTTTTTTTTTTT
P1_18.8	a17.8*-T10	GATATCAGATGTTTTTTTTTTTT	GATATCAGATTTTTTTTTTTTTT
P1_18.9	a17.9*-T10	GGCAATAGTAGTTTTTTTTTTTT	GGCAATAGTATTTTTTTTTTTTT
P1_18.10	a17.10*-T10	GGTTTCTGCAGTTTTTTTTTTTT	GGTTTCTGCATTTTTTTTTTTTT
P1_18.11	a17.11*-T10	GATCCCTCAAGTTTTTTTTTTTT	GATCCCTCAATTTTTTTTTTTTT
P1_18.12	a17.12*-T10	GGTGACTCCTGTTTTTTTTTTTT	GGTGACTCCTTTTTTTTTTTTTT
P1_18.13	a17.13*-T10	GTAGTAGTTTTGTTTTTTTTTTTT	GTAGTAGTTTTTTTTTTTTTTTT
P1_18.14	a17.14*-T10	GAGCCCATTCGTTTTTTTTTTTT	GAGCCCATTCGTTTTTTTTTTTT
P1_19.1	a18.2*-T11	GAAGCGAACGTTTTTTTTTTTT	GAAGCGAACGATTTTTTTTTTTT
P1_19.2	a18.3*-T11	GGTAAGGGTGTTTTTTTTTTTT	GGTAAGGGTGATTTTTTTTTTTT
P1_19.3	a18.4*-T11	GTGTGAGGCGTTTTTTTTTTTT	GTGTGAGGCGATTTTTTTTTTTT
P1_19.4	a18.5*-T11	GGCAGGTTAGTTTTTTTTTTTT	GGCAGGTTAGATTTTTTTTTTTT
P1_19.5	a18.6*-T11	GGTATCGTCGTTTTTTTTTTTT	GGTATCGTCGATTTTTTTTTTTT
P1_19.6	a18.7*-T11	GCAGGCGAAGTTTTTTTTTTTT	GCAGGCGAAGATTTTTTTTTTTT
P1_19.7	a18.8*-T11	GGCCGTATAGTTTTTTTTTTTT	GGCCGTATAGATTTTTTTTTTTT
P1_19.8	a18.9*-T11	GGCGTGCGTGTTTTTTTTTTTT	GGCGTGCGTGATTTTTTTTTTTT
P1_19.9	a18.10*-T11	GCACATGTCGTTTTTTTTTTTT	GCACATGTCGATTTTTTTTTTTT
P1_19.10	a18.11*-T11	GAACGTAGTGTTTTTTTTTTTTT	GAACGTAGTGATTTTTTTTTTTT
P1_19.11	a18.12*-T11	GTTGCTGTGGTTTTTTTTTTTT	GTTGCTGTGGATTTTTTTTTTTT
P1_19.12	a18.13*-T11	GGCGCAGAAGTTTTTTTTTTTT	GGCGCAGAAGATTTTTTTTTTTT
P1_19.13	a18.14*-T11	GCGGTGATCGTTTTTTTTTTTT	GCGGTGATCGATTTTTTTTTTTT
P1_19.14	a18.15*-T11	GTGCGGTTAGTTTTTTTTTTTT	GTGCGGTTAGATTTTTTTTTTTT

Seq_ID	Domains	Sequence	Note
P1_20.1	a19.1*-T10	GATCATCTCAGTTTTTTTTTTT	GATCATCTCAGTTTTTTTTTTT
P1_20.2	a19.2*-T10	GGCGGGAAGGTTTTTTTTTTT	GGCGGGAAGGTTTTTTTTTTT
P1_20.3	a19.3*-T10	GACTAGCCAGGTTTTTTTTTTT	GACTAGCCAGGTTTTTTTTTTT
P1_20.4	a19.4*-T10	GCTCCACGTAGTTTTTTTTTTT	GCTCCACGTAGTTTTTTTTTTT
P1_20.5	a19.5*-T10	GGTAATGTCAGTTTTTTTTTTT	GGTAATGTCAGTTTTTTTTTTT
P1_20.6	a19.6*-T10	GAAACGCCTAGTTTTTTTTTTT	GAAACGCCTAGTTTTTTTTTTT
P1_20.7	a19.7*-T10	GGCACCTTAAGTTTTTTTTTTT	GGCACCTTAAGTTTTTTTTTTT
P1_20.8	a19.8*-T10	GTCCAGTGTGTTTTTTTTTTT	GTCCAGTGTGTTTTTTTTTTT
P1_20.9	a19.9*-T10	GTAACGAGGTTTTTTTTTTT	GTAACGAGGTTTTTTTTTTT
P1_20.10	a19.10*-T10	GGCGACTGTCGTTTTTTTTTTT	GGCGACTGTCGTTTTTTTTTTT
P1_20.11	a19.11*-T10	GAGATGTACGTTTTTTTTTTT	GAGATGTACGTTTTTTTTTTT
P1_20.12	a19.12*-T10	GCCCTGGTCCGTTTTTTTTTTT	GCCCTGGTCCGTTTTTTTTTTT
P1_20.13	a19.13*-T10	GAGCTTCCGAGTTTTTTTTTTT	GAGCTTCCGAGTTTTTTTTTTT
P1_20.14	a19.14*-T10	GTTCCCGGGCTTTTTTTTTTT	GTTCCCGGGCTTTTTTTTTTT
P1_21.1	a20.2*-T11	GACTTAAGCGTTTTTTTTTTT	GACTTAAGCGATTTTTTTTTTTT
P1_21.2	a20.3*-T11	GGGCCTAGGGTTTTTTTTTTT	GGGCCTAGGGATTTTTTTTTTTT
P1_21.3	a20.4*-T11	GAAGGCTTAGTTTTTTTTTTT	GAAGGCTTAGATTTTTTTTTTTT
P1_21.4	a20.5*-T11	GTGGAGCCCGTTTTTTTTTTT	GTGGAGCCCGATTTTTTTTTTTT
P1_21.5	a20.6*-T11	GATAACAGAGTTTTTTTTTTT	GATAACAGAGATTTTTTTTTTTT
P1_21.6	a20.7*-T11	GTCGCACGGGTTTTTTTTTTT	GTCGCACGGGATTTTTTTTTTTT
P1_21.7	a20.8*-T11	GCCGTTGGTGTTTTTTTTTTT	GCCGTTGGTGATTTTTTTTTTTT
P1_21.8	a20.9*-T11	GACTGCCAGTTTTTTTTTTT	GACTGCCAGATTTTTTTTTTTT
P1_21.9	a20.10*-T11	GTATCGCTCGTTTTTTTTTTT	GTATCGCTCGATTTTTTTTTTTT
P1_21.10	a20.11*-T11	GGGCATAACGTTTTTTTTTTT	GGGCATAACGATTTTTTTTTTTT
P1_21.11	a20.12*-T11	GGACCTCAGTTTTTTTTTTT	GGACCTCAGATTTTTTTTTTTT
P1_21.12	a20.13*-T11	GCAAAGCCCGTTTTTTTTTTT	GCAAAGCCCGATTTTTTTTTTTT
P1_21.13	a20.14*-T11	GAAGTAGCCGTTTTTTTTTTT	GAAGTAGCCGATTTTTTTTTTTT
P1_21.14	a20.15*-T11	GGATATGACGTTTTTTTTTTT	GGATATGACGATTTTTTTTTTTT
P1_22.1	a21.1*-T10	GGCAAAGCAAGTTTTTTTTTTT	GGCAAAGCAATTTTTTTTTTTT
P1_22.2	a21.2*-T10	GCGGTGTATTGTTTTTTTTTTT	GCGGTGTATTGTTTTTTTTTTT
P1_22.3	a21.3*-T10	GCCGTCCTCAAGTTTTTTTTTTT	GCCGTCCTCAATTTTTTTTTTTT
P1_22.4	a21.4*-T10	GTCCATTAATGGTTTTTTTTTTT	GTCCATTAATGGTTTTTTTTTTT
P1_22.5	a21.5*-T10	GATGGCCAAAGTTTTTTTTTTT	GATGGCCAAATTTTTTTTTTTT
P1_22.6	a21.6*-T10	GATAACCAGGTTTTTTTTTTT	GATAACCAGGTTTTTTTTTTT
P1_22.7	a21.7*-T10	GAGGACAATAGTTTTTTTTTTT	GAGGACAATATTTTTTTTTTTT
P1_22.8	a21.8*-T10	GTATTGCAAAGTTTTTTTTTTT	GTATTGCAAATTTTTTTTTTTT
P1_22.9	a21.9*-T10	GACGCTGTAGTTTTTTTTTTT	GACGCTGTAGTTTTTTTTTTT
P1_22.10	a21.10*-T10	GAGGTGATCCGTTTTTTTTTTT	GAGGTGATCCTTTTTTTTTTT
P1_22.11	a21.11*-T10	GAGATGCTAGGTTTTTTTTTTT	GAGATGCTAGTTTTTTTTTTT
P1_22.12	a21.12*-T10	GTTCCGCTATGTTTTTTTTTTT	GTTCCGCTATTTTTTTTTTTT
P1_22.13	a21.13*-T10	GATGGCGGTCGTTTTTTTTTTT	GATGGCGGTCTTTTTTTTTTT
P1_22.14	a21.14*-T10	GTCCATCACAGTTTTTTTTTTT	GTCCATCACATTTTTTTTTTTT
P1_23.1	a22.2*-T11	GCCGTCAGAGTTTTTTTTTTT	GCCGTCAGAGATTTTTTTTTTTT
P1_23.2	a22.3*-T11	GGCAC TTCGTTTTTTTTTTT	GGCAC TTCGATTTTTTTTTTTT
P1_23.3	a22.4*-T11	GCCATGGTAGTTTTTTTTTTT	GCCATGGTAGATTTTTTTTTTTT
P1_23.4	a22.5*-T11	GCCGACTAAGTTTTTTTTTTT	GCCGACTAAGATTTTTTTTTTTT
P1_23.5	a22.6*-T11	GGCGCTTGCCTTTTTTTTTTTT	GGCGCTTGCATTTTTTTTTTTT
P1_23.6	a22.7*-T11	GCGTCACCAGTTTTTTTTTTT	GCGTCACCAGATTTTTTTTTTTT
P1_23.7	a22.8*-T11	GGTTCCTCTGTTTTTTTTTTT	GGTTCCTCTGATTTTTTTTTTTT
P1_23.8	a22.9*-T11	GTGTAGAGGGTTTTTTTTTTT	GTGTAGAGGGATTTTTTTTTTTT
P1_23.9	a22.10*-T11	GTTAAGTCCGTTTTTTTTTTT	GTTAAGTCCGATTTTTTTTTTTT
P1_23.10	a22.11*-T11	GATCGCCAGGTTTTTTTTTTT	GATCGCCAGGATTTTTTTTTTTT
P1_23.11	a22.12*-T11	GCGACTCACGTTTTTTTTTTT	GCGACTCACGATTTTTTTTTTTT
P1_23.12	a22.13*-T11	GTAGGAGGGTTTTTTTTTTT	GTAGGAGGGATTTTTTTTTTTT
P1_23.13	a22.14*-T11	GCAATTCTAGTTTTTTTTTTT	GCAATTCTAGATTTTTTTTTTTT
P1_23.14	a22.15*-T11	GTCCCAGCCGTTTTTTTTTTT	GTCCCAGCCGATTTTTTTTTTTT
P1_24.1	a23.1*-T10	GGGAGGCATTTTTTTTTTTT	GGGAGGCATTTTTTTTTTTT
P1_24.2	a23.2*-T10	GTATAGTCTTGTTTTTTTTTTTT	GTATAGTCTTTTTTTTTTTTTT
P1_24.3	a23.3*-T10	GGATGCGCGTTTTTTTTTTTT	GGATGCGCGTTTTTTTTTTTTT
P1_24.4	a23.4*-T10	GCAGCTTACGTTTTTTTTTTT	GCAGCTTACTTTTTTTTTTTTT
P1_24.5	a23.5*-T10	GTGCATTCACGTTTTTTTTTTT	GTGCATTCACTTTTTTTTTTTTT
P1_24.6	a23.6*-T10	GTATTACCGAGTTTTTTTTTTT	GTATTACCGATTTTTTTTTTTTTT
P1_24.7	a23.7*-T10	GGAGACTCTTGTTTTTTTTTTTT	GGAGACTCTTTTTTTTTTTTTT

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P1_24.8	a23.8*-T10	GGGCCAGCCGGTTTTTTTTTTT	GGGCCAGCCGGTTTTTTTTTTT
P1_24.9	a23.9*-T10	GTGTCCATAGTTTTTTTTTTT	GTGTCCATAGTTTTTTTTTTT
P1_24.10	a23.10*-T10	GTTCACTCTGTTTTTTTTTTT	GTTCACTCTTTTTTTTTTTTT
P1_24.11	a23.11*-T10	GCGCTAGGGTGTTTTTTTTTTT	GCGCTAGGGTTTTTTTTTTTT
P1_24.12	a23.12*-T10	GTACGGGCAGGTTTTTTTTTTT	GTACGGGCAGTTTTTTTTTTTT
P1_24.13	a23.13*-T10	GGGTCTCTTCGTTTTTTTTTTT	GGGTCTCTTCTTTTTTTTTTTT
P1_24.14	a23.14*-T10	GCCGGCAAAGTTTTTTTTTTTT	GCCGGCAAAGTTTTTTTTTTTT
P1_25.1	a24.2*-T11	GCCGATACAGTTTTTTTTTTTT	GCCGATACAGTTTTTTTTTTTT
P1_25.2	a24.3*-T11	GACCCAGATGTTTTTTTTTTTT	GACCCAGATGATTTTTTTTTTT
P1_25.3	a24.4*-T11	GACATCTGTGTTTTTTTTTTTT	GACATCTGTGATTTTTTTTTTT
P1_25.4	a24.5*-T11	GTCCACGCTGTTTTTTTTTTTT	GTCCACGCTGATTTTTTTTTTT
P1_25.5	a24.6*-T11	GGCGAGCCGGTTTTTTTTTTTT	GGCGAGCCGGATTTTTTTTTTT
P1_25.6	a24.7*-T11	GAGCTAGGCGTTTTTTTTTTTT	GAGCTAGGCGATTTTTTTTTTT
P1_25.7	a24.8*-T11	GATAGCCGGGTTTTTTTTTTTT	GATAGCCGGGATTTTTTTTTTT
P1_25.8	a24.9*-T11	GTCATCTGGGTTTTTTTTTTTT	GTCATCTGGGATTTTTTTTTTT
P1_25.9	a24.10*-T11	GTCGCTTTGTTTTTTTTTTTTT	GTCGCTTTGATTTTTTTTTTTT
P1_25.10	a24.11*-T11	GTTGGCCAGTTTTTTTTTTTTT	GTTGGCCAGATTTTTTTTTTTT
P1_25.11	a24.12*-T11	GTCACACAGTTTTTTTTTTTTT	GTCACACAGATTTTTTTTTTTT
P1_25.12	a24.13*-T11	GGAAACGGTGTTTTTTTTTTTTT	GGAAACGGTGTATTTTTTTTTTT
P1_25.13	a24.14*-T11	GAAGCCTGGGTTTTTTTTTTTTT	GAAGCCTGGGATTTTTTTTTTT
P1_25.14	a24.15*-T11	GTCTTCCAAGTTTTTTTTTTTTT	GTCTTCCAAGATTTTTTTTTTTT
P2_2.2	T11-b1.1*	TTTTTTTTTTTACGATAAATA	
P2_2.3	T11-b1.2*	TTTTTTTTTTTATAGTAAGCTGA	
P2_2.4	T11-b1.3*	TTTTTTTTTTTATATATATCCA	
P2_2.5	T11-b1.4*	TTTTTTTTTTTATAGAAATATAA	
P2_2.6	T11-b1.5*	TTTTTTTTTTTACTTCCCTGGA	
P2_2.7	T11-b1.6*	TTTTTTTTTTTAAATCCATATA	
P2_2.8	T11-b1.7*	TTTTTTTTTTTACTTCAACCA	
P2_2.9	T11-b1.8*	TTTTTTTTTTTATAGGTGTGTTA	
P2_2.10	T11-b1.9*	TTTTTTTTTTTATAGTGTTCACA	
P2_2.11	T11-b1.10*	TTTTTTTTTTTATAGAACTTAA	
P2_2.12	T11-b1.11*	TTTTTTTTTTTATCATTCTAA	
P2_2.13	T11-b1.12*	TTTTTTTTTTTAAAGGCTTCA	
P2_2.14	T11-b1.13*	TTTTTTTTTTTATCGACTAAA	
P2_2.15	T11-b1.14*	TTTTTTTTTTTATACATCTGA	
P2_3.1	T10-b2.1*	TTTTTTTTTTTATGGGCAACCA	
P2_3.2	T10-b2.2*	TTTTTTTTTTTATGCTTCGGA	
P2_3.3	T10-b2.3*	TTTTTTTTTTTATCATAATGCA	
P2_3.4	T10-b2.4*	TTTTTTTTTTTATAGCTGCAGGGA	
P2_3.5	T10-b2.5*	TTTTTTTTTTTACACAACCTTA	
P2_3.6	T10-b2.6*	TTTTTTTTTTTATACAGGTGCA	
P2_3.7	T10-b2.7*	TTTTTTTTTTTATAGTACGACGA	
P2_3.8	T10-b2.8*	TTTTTTTTTTTAAATCTGCAGTA	
P2_3.9	T10-b2.9*	TTTTTTTTTTTATAGTCAACTGA	
P2_3.10	T10-b2.10*	TTTTTTTTTTTATAGTGCAGGGA	
P2_3.11	T10-b2.11*	TTTTTTTTTTTATAGAGGGGA	
P2_3.12	T10-b2.12*	TTTTTTTTTTTATAGCATCTTA	
P2_3.13	T10-b2.13*	TTTTTTTTTTTATAGCCACTA	
P2_3.14	T10-b2.14*	TTTTTTTTTTTAAAGAGGAATAA	
P2_4.2	T11-b3.1*	TTTTTTTTTTTAAACCAGATA	
P2_4.3	T11-b3.2*	TTTTTTTTTTTATAGGCTGCTTA	
P2_4.4	T11-b3.3*	TTTTTTTTTTTATACCTGACGA	
P2_4.5	T11-b3.4*	TTTTTTTTTTTATATGTCGTTTA	
P2_4.6	T11-b3.5*	TTTTTTTTTTTAAATCTTCTA	
P2_4.7	T11-b3.6*	TTTTTTTTTTTAAATGCATAA	
P2_4.8	T11-b3.7*	TTTTTTTTTTTATACGACTTCA	
P2_4.9	T11-b3.8*	TTTTTTTTTTTATACCTGGTTTA	
P2_4.10	T11-b3.9*	TTTTTTTTTTTAAATCTGACGA	
P2_4.11	T11-b3.10*	TTTTTTTTTTTATACAGCTCTA	
P2_4.12	T11-b3.11*	TTTTTTTTTTTATACCGACCAA	
P2_4.13	T11-b3.12*	TTTTTTTTTTTATACACAGCA	
P2_4.14	T11-b3.13*	TTTTTTTTTTTATACACTCAGA	
P2_4.15	T11-b3.14*	TTTTTTTTTTTAAAGGACTCA	

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P2_5.1	T10-b4.1*	TTTTTTTTTTATCCACTCCCA	
P2_5.2	T10-b4.2*	TTTTTTTTTTTATATCCTCCCA	
P2_5.3	T10-b4.3*	TTTTTTTTTTTATATAAATGTA	
P2_5.4	T10-b4.4*	TTTTTTTTTTTATAAATGGTAAA	
P2_5.5	T10-b4.5*	TTTTTTTTTTTACAAGGCACAA	
P2_5.6	T10-b4.6*	TTTTTTTTTTTAAATGCTAGTA	
P2_5.7	T10-b4.7*	TTTTTTTTTTTATATATATTGA	
P2_5.8	T10-b4.8*	TTTTTTTTTTTACGATGGTCCA	
P2_5.9	T10-b4.9*	TTTTTTTTTTTATAGTTCATTA	
P2_5.10	T10-b4.10*	TTTTTTTTTTTACAGGTATTTA	
P2_5.11	T10-b4.11*	TTTTTTTTTTTAAACAATGGTA	
P2_5.12	T10-b4.12*	TTTTTTTTTTTATTAACCTATA	
P2_5.13	T10-b4.13*	TTTTTTTTTTTAAAGCGAGGCA	
P2_5.14	T10-b4.14*	TTTTTTTTTTTAGTCTCTGTGA	
P2_6.2	T11-b5.1*	TTTTTTTTTTTATAAACATA	
P2_6.3	T11-b5.2*	TTTTTTTTTTTAAATCCGCCCA	
P2_6.4	T11-b5.3*	TTTTTTTTTTTATAGGACCAGA	
P2_6.5	T11-b5.4*	TTTTTTTTTTTACGCAACCAA	
P2_6.6	T11-b5.5*	TTTTTTTTTTTATGCATCCTA	
P2_6.7	T11-b5.6*	TTTTTTTTTTTACAATGCCA	
P2_6.8	T11-b5.7*	TTTTTTTTTTTATGCGGACTA	
P2_6.9	T11-b5.8*	TTTTTTTTTTTAAATGGATTA	
P2_6.10	T11-b5.9*	TTTTTTTTTTTATAGTCAGTAA	
P2_6.11	T11-b5.10*	TTTTTTTTTTTACGTGGCGAA	
P2_6.12	T11-b5.11*	TTTTTTTTTTTATAGTACCTAAA	
P2_6.13	T11-b5.12*	TTTTTTTTTTTATAGGTAGTAA	
P2_6.14	T11-b5.13*	TTTTTTTTTTTATAGTATGTTA	
P2_6.15	T11-b5.14*	TTTTTTTTTTTATAGCCCGGTA	
P2_7.1	T10-b6.1*	TTTTTTTTTTTATAGAACTCCA	
P2_7.2	T10-b6.2*	TTTTTTTTTTTATTTCCGGCGA	
P2_7.3	T10-b6.3*	TTTTTTTTTTTATAACTGAGAA	
P2_7.4	T10-b6.4*	TTTTTTTTTTTATACCCCTAA	
P2_7.5	T10-b6.5*	TTTTTTTTTTTAAATAACAGGAA	
P2_7.6	T10-b6.6*	TTTTTTTTTTTATCTCGCCGTA	
P2_7.7	T10-b6.7*	TTTTTTTTTTTAACTGCATTGA	
P2_7.8	T10-b6.8*	TTTTTTTTTTTACTGCCTCCGA	
P2_7.9	T10-b6.9*	TTTTTTTTTTTAAACAGCCTGCA	
P2_7.10	T10-b6.10*	TTTTTTTTTTTATTGCCCAAGA	
P2_7.11	T10-b6.11*	TTTTTTTTTTTAAATGGTTGTA	
P2_7.12	T10-b6.12*	TTTTTTTTTTTAAAGAACTAAA	
P2_7.13	T10-b6.13*	TTTTTTTTTTTATAGCGAGTTCA	
P2_7.14	T10-b6.14*	TTTTTTTTTTTAACTAGAGCAA	
P2_8.2	T11-b7.1*	TTTTTTTTTTTATAAGTCTCA	
P2_8.3	T11-b7.2*	TTTTTTTTTTTATTTGTCAATA	
P2_8.4	T11-b7.3*	TTTTTTTTTTTATACATCGGAAA	
P2_8.5	T11-b7.4*	TTTTTTTTTTTAAAGTGTGTA	
P2_8.6	T11-b7.5*	TTTTTTTTTTTATAGGAATTCGA	
P2_8.7	T11-b7.6*	TTTTTTTTTTTATAGCATCTGTA	
P2_8.8	T11-b7.7*	TTTTTTTTTTTATAGACCTGTCA	
P2_8.9	T11-b7.8*	TTTTTTTTTTTATACAGAAGTTA	
P2_8.10	T11-b7.9*	TTTTTTTTTTTATACGGGCTATA	
P2_8.11	T11-b7.10*	TTTTTTTTTTTATAGACCTAACA	
P2_8.12	T11-b7.11*	TTTTTTTTTTTAAATGCGGGTA	
P2_8.13	T11-b7.12*	TTTTTTTTTTTATAGGGTCATA	
P2_8.14	T11-b7.13*	TTTTTTTTTTTATAGATGGATA	
P2_8.15	T11-b7.14*	TTTTTTTTTTTACTATTTCGCA	
P2_9.1	T10-b8.1*	TTTTTTTTTTTAAACCAAGCAA	
P2_9.2	T10-b8.2*	TTTTTTTTTTTATAGAGGGTATGA	
P2_9.3	T10-b8.3*	TTTTTTTTTTTATATAAGGAA	
P2_9.4	T10-b8.4*	TTTTTTTTTTTAAACGGTGTGA	
P2_9.5	T10-b8.5*	TTTTTTTTTTTATAGCGTGATATA	
P2_9.6	T10-b8.6*	TTTTTTTTTTTAAAGACAACAA	
P2_9.7	T10-b8.7*	TTTTTTTTTTTATAGGTCCAGA	

Seq_ID	Domains	Sequence	Note
P2_9.8	T10-b8.8*	TTTTTTTTTTTAGGATAAGTTA	
P2_9.9	T10-b8.9*	TTTTTTTTTTTACTGGCTCGAA	
P2_9.10	T10-b8.10*	TTTTTTTTTTTATAGTAGGTGTA	
P2_9.11	T10-b8.11*	TTTTTTTTTTTATCCGCTTAA	
P2_9.12	T10-b8.12*	TTTTTTTTTTTATAGTCGAACTAA	
P2_9.13	T10-b8.13*	TTTTTTTTTTTATGTTTCGTGA	
P2_9.14	T10-b8.14*	TTTTTTTTTTTAAATGTGCATCA	
P2_10.2	T11-b9.1*	TTTTTTTTTTTATTACGGAAA	
P2_10.3	T11-b9.2*	TTTTTTTTTTTATGAGCACTA	
P2_10.4	T11-b9.3*	TTTTTTTTTTTAAATATGACAA	
P2_10.5	T11-b9.4*	TTTTTTTTTTTATTGGTACGA	
P2_10.6	T11-b9.5*	TTTTTTTTTTTATACTATGCA	
P2_10.7	T11-b9.6*	TTTTTTTTTTTATAGCACAAGGA	
P2_10.8	T11-b9.7*	TTTTTTTTTTTACTAACGTAA	
P2_10.9	T11-b9.8*	TTTTTTTTTTTATACTAACTA	
P2_10.10	T11-b9.9*	TTTTTTTTTTTATAGTAATCCCA	
P2_10.11	T11-b9.10*	TTTTTTTTTTTAAAGGTAGCCA	
P2_10.12	T11-b9.11*	TTTTTTTTTTTATTGCAGTTA	
P2_10.13	T11-b9.12*	TTTTTTTTTTTACGCCGATAA	
P2_10.14	T11-b9.13*	TTTTTTTTTTTATAAACGATA	
P2_10.15	T11-b9.14*	TTTTTTTTTTTACGGTCTCCA	
P2_11.1	T10-b10.1*	TTTTTTTTTTTATCTGCACTA	
P2_11.2	T10-b10.2*	TTTTTTTTTTTAAATGACCTAA	
P2_11.3	T10-b10.3*	TTTTTTTTTTTAAACCTACTGA	
P2_11.4	T10-b10.4*	TTTTTTTTTTTATAGTGATGACCA	
P2_11.5	T10-b10.5*	TTTTTTTTTTTATAATCAGAAA	
P2_11.6	T10-b10.6*	TTTTTTTTTTTAAACCCTAGTAA	
P2_11.7	T10-b10.7*	TTTTTTTTTTTACGAGCCCTGA	
P2_11.8	T10-b10.8*	TTTTTTTTTTTATAGTGGGCTAA	
P2_11.9	T10-b10.9*	TTTTTTTTTTTATACTCGTCTA	
P2_11.10	T10-b10.10*	TTTTTTTTTTTATAGCCGATCAA	
P2_11.11	T10-b10.11*	TTTTTTTTTTTATTTGCTTACA	
P2_11.12	T10-b10.12*	TTTTTTTTTTTATAGCGCTTACAA	
P2_11.13	T10-b10.13*	TTTTTTTTTTTACACATCTCGA	
P2_11.14	T10-b10.14*	TTTTTTTTTTTACAATATTATA	
P2_12.2	T11-b11.1*	TTTTTTTTTTTACTTGGTCAA	
P2_12.3	T11-b11.2*	TTTTTTTTTTTATAGGAGGTGA	
P2_12.4	T11-b11.3*	TTTTTTTTTTTATACCTGGACAA	
P2_12.5	T11-b11.4*	TTTTTTTTTTTATATCGCATGCA	
P2_12.6	T11-b11.5*	TTTTTTTTTTTATACGAGGGCTA	
P2_12.7	T11-b11.6*	TTTTTTTTTTTATATTAGTGTA	
P2_12.8	T11-b11.7*	TTTTTTTTTTTAAAGGCAGAA	
P2_12.9	T11-b11.8*	TTTTTTTTTTTAAATCAAGTGA	
P2_12.10	T11-b11.9*	TTTTTTTTTTTATAGGACGTGA	
P2_12.11	T11-b11.10*	TTTTTTTTTTTATAGTGCTGTA	
P2_12.12	T11-b11.11*	TTTTTTTTTTTAAAGATGTCCA	
P2_12.13	T11-b11.12*	TTTTTTTTTTTATATAGTCATAA	
P2_12.14	T11-b11.13*	TTTTTTTTTTTATCAGCATTA	
P2_12.15	T11-b11.14*	TTTTTTTTTTTATAGTTACCGCA	
P2_13.1	T10-b12.1*	TTTTTTTTTTTATATGCACAGA	
P2_13.2	T10-b12.2*	TTTTTTTTTTTATACACGGTCAGA	
P2_13.3	T10-b12.3*	TTTTTTTTTTTATCTATAAACA	
P2_13.4	T10-b12.4*	TTTTTTTTTTTACTCCTAATGA	
P2_13.5	T10-b12.5*	TTTTTTTTTTTACTGGGTACAA	
P2_13.6	T10-b12.6*	TTTTTTTTTTTATACCAGCTAGCA	
P2_13.7	T10-b12.7*	TTTTTTTTTTTATATCCGAGTGA	
P2_13.8	T10-b12.8*	TTTTTTTTTTTATACCGCCCAA	
P2_13.9	T10-b12.9*	TTTTTTTTTTTATAGTAGTTATAA	
P2_13.10	T10-b12.10*	TTTTTTTTTTTATGAATCCGGA	
P2_13.11	T10-b12.11*	TTTTTTTTTTTATACAGCCAGA	
P2_13.12	T10-b12.12*	TTTTTTTTTTTATACACTCGACGA	
P2_13.13	T10-b12.13*	TTTTTTTTTTTATACGATCTCGA	
P2_13.14	T10-b12.14*	TTTTTTTTTTTATACGACGATCA	

Seq_ID	Domains	Sequence	Note
P2_14.2	T11-b13.1*	TTTTTTTTTTTATCCTGCAGA	
P2_14.3	T11-b13.2*	TTTTTTTTTTTACTCATCGTA	
P2_14.4	T11-b13.3*	TTTTTTTTTTTATTTGAAGGA	
P2_14.5	T11-b13.4*	TTTTTTTTTTTACCCTCAGGA	
P2_14.6	T11-b13.5*	TTTTTTTTTTTAAAGTTGGGA	
P2_14.7	T11-b13.6*	TTTTTTTTTTTAAAGGGTAGA	
P2_14.8	T11-b13.7*	TTTTTTTTTTTAAACCTAAACA	
P2_14.9	T11-b13.8*	TTTTTTTTTTTATGGTGTCCA	
P2_14.10	T11-b13.9*	TTTTTTTTTTTATAGCGAATGCA	
P2_14.11	T11-b13.10*	TTTTTTTTTTTATGGAGATCA	
P2_14.12	T11-b13.11*	TTTTTTTTTTTATAACGGGTA	
P2_14.13	T11-b13.12*	TTTTTTTTTTTAAACATTCTTA	
P2_14.14	T11-b13.13*	TTTTTTTTTTTACAGGACAGA	
P2_14.15	T11-b13.14*	TTTTTTTTTTTACTGTCGGGA	
P2_15.1	T10-b14.1*	TTTTTTTTTTTATCAAGTAACA	
P2_15.2	T10-b14.2*	TTTTTTTTTTTATAGACATACAA	
P2_15.3	T10-b14.3*	TTTTTTTTTTTAAAGGCCCTGAA	
P2_15.4	T10-b14.4*	TTTTTTTTTTTACAGTTACACA	
P2_15.5	T10-b14.5*	TTTTTTTTTTTAAATAGCCGCA	
P2_15.6	T10-b14.6*	TTTTTTTTTTTAAAGCGTTGGA	
P2_15.7	T10-b14.7*	TTTTTTTTTTTATGACGTGCCA	
P2_15.8	T10-b14.8*	TTTTTTTTTTTACAACGACGCA	
P2_15.9	T10-b14.9*	TTTTTTTTTTTATAGACACTGTTA	
P2_15.10	T10-b14.10*	TTTTTTTTTTTACACCAGTAAA	
P2_15.11	T10-b14.11*	TTTTTTTTTTTATAGCGATTCGTA	
P2_15.12	T10-b14.12*	TTTTTTTTTTTAAACAAAGATTA	
P2_15.13	T10-b14.13*	TTTTTTTTTTTACGATGCAACA	
P2_15.14	T10-b14.14*	TTTTTTTTTTTAGTAAAGGTTA	
P2_16.2	T11-b15.1*	TTTTTTTTTTTATCGCAATAA	
P2_16.3	T11-b15.2*	TTTTTTTTTTTACTGCGCGTA	
P2_16.4	T11-b15.3*	TTTTTTTTTTTATAAATGAAA	
P2_16.5	T11-b15.4*	TTTTTTTTTTTAAACGGTGCA	
P2_16.6	T11-b15.5*	TTTTTTTTTTTAAACGTAGGA	
P2_16.7	T11-b15.6*	TTTTTTTTTTTAAAGACTCCA	
P2_16.8	T11-b15.7*	TTTTTTTTTTTATAAGACACA	
P2_16.9	T11-b15.8*	TTTTTTTTTTTATAGAACTCCA	
P2_16.10	T11-b15.9*	TTTTTTTTTTTAAATGGCGCGA	
P2_16.11	T11-b15.10*	TTTTTTTTTTTAAATACTTTA	
P2_16.12	T11-b15.11*	TTTTTTTTTTTATAGAGAACGA	
P2_16.13	T11-b15.12*	TTTTTTTTTTTACGCCAAATTA	
P2_16.14	T11-b15.13*	TTTTTTTTTTTACCCTACTTA	
P2_16.15	T11-b15.14*	TTTTTTTTTTTAAAGCTGTAA	
P2_17.1	T10-b16.1*	TTTTTTTTTTTATGATGGGCCA	
P2_17.2	T10-b16.2*	TTTTTTTTTTTAAATACAGAATA	
P2_17.3	T10-b16.3*	TTTTTTTTTTTATAAAGAAAGA	
P2_17.4	T10-b16.4*	TTTTTTTTTTTATAGACCTCCTTA	
P2_17.5	T10-b16.5*	TTTTTTTTTTTATAGCGAGCGAA	
P2_17.6	T10-b16.6*	TTTTTTTTTTTATCGGGATCAA	
P2_17.7	T10-b16.7*	TTTTTTTTTTTAAATGGATGGAA	
P2_17.8	T10-b16.8*	TTTTTTTTTTTATACCAGAAGTGA	
P2_17.9	T10-b16.9*	TTTTTTTTTTTATACGGATGGA	
P2_17.10	T10-b16.10*	TTTTTTTTTTTAAACGGGTTTA	
P2_17.11	T10-b16.11*	TTTTTTTTTTTATCCCGCGGAA	
P2_17.12	T10-b16.12*	TTTTTTTTTTTATCGTAATGCAA	
P2_17.13	T10-b16.13*	TTTTTTTTTTTATAGACGACTTA	
P2_17.14	T10-b16.14*	TTTTTTTTTTTACAAGCGTTGA	
P2_18.2	T11-b17.1*	TTTTTTTTTTTAAACCGTCTA	
P2_18.3	T11-b17.2*	TTTTTTTTTTTACTTTCTGGGA	
P2_18.4	T11-b17.3*	TTTTTTTTTTTATGAATGGA	
P2_18.5	T11-b17.4*	TTTTTTTTTTTACTAAACAAA	
P2_18.6	T11-b17.5*	TTTTTTTTTTTACCGGGCCCA	
P2_18.7	T11-b17.6*	TTTTTTTTTTTACTGAACATA	
P2_18.8	T11-b17.7*	TTTTTTTTTTTATAGTGGCGCA	

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P2_18.9	T11-b17.8*	TTTTTTTTTTTATCGTCCGA	
P2_18.10	T11-b17.9*	TTTTTTTTTTTACCTCGAGCA	
P2_18.11	T11-b17.10*	TTTTTTTTTTTACGAGGAGCA	
P2_18.12	T11-b17.11*	TTTTTTTTTTTATAAATTACA	
P2_18.13	T11-b17.12*	TTTTTTTTTTTAAATGAGCATA	
P2_18.14	T11-b17.13*	TTTTTTTTTTTATTTACGCGA	
P2_18.15	T11-b17.14*	TTTTTTTTTTTATGACATCTA	
P2_19.1	T10-b18.1*	TTTTTTTTTTTATAGCTGGAA	
P2_19.2	T10-b18.2*	TTTTTTTTTTTACGGCCAGCA	
P2_19.3	T10-b18.3*	TTTTTTTTTTTATTGGCAGAAA	
P2_19.4	T10-b18.4*	TTTTTTTTTTTAAACTCTGACA	
P2_19.5	T10-b18.5*	TTTTTTTTTTTACGATCGGTCA	
P2_19.6	T10-b18.6*	TTTTTTTTTTTACCACGCCCTTA	
P2_19.7	T10-b18.7*	TTTTTTTTTTTAGACATGGTAA	
P2_19.8	T10-b18.8*	TTTTTTTTTTTAAATTACCACCA	
P2_19.9	T10-b18.9*	TTTTTTTTTTTACCAAGGCATA	
P2_19.10	T10-b18.10*	TTTTTTTTTTTAGCGAACACTA	
P2_19.11	T10-b18.11*	TTTTTTTTTTTACTTTGTGCGA	
P2_19.12	T10-b18.12*	TTTTTTTTTTTATATGGACTTA	
P2_19.13	T10-b18.13*	TTTTTTTTTTTATGACAGTCAA	
P2_19.14	T10-b18.14*	TTTTTTTTTTTATAGTTACGA	
P2_20.2	T11-b19.1*	TTTTTTTTTTTATTCGTTGA	
P2_20.3	T11-b19.2*	TTTTTTTTTTTAGCCGCTTAA	
P2_20.4	T11-b19.3*	TTTTTTTTTTTATTAACAATA	
P2_20.5	T11-b19.4*	TTTTTTTTTTTATCCCTAATA	
P2_20.6	T11-b19.5*	TTTTTTTTTTTAGGATGTGTA	
P2_20.7	T11-b19.6*	TTTTTTTTTTTAAAGGACATAA	
P2_20.8	T11-b19.7*	TTTTTTTTTTTAAATATATA	
P2_20.9	T11-b19.8*	TTTTTTTTTTTAGTTGTCTA	
P2_20.10	T11-b19.9*	TTTTTTTTTTTAGCCTAAGAA	
P2_20.11	T11-b19.10*	TTTTTTTTTTTACTAACCACA	
P2_20.12	T11-b19.11*	TTTTTTTTTTTATCTGCTTTA	
P2_20.13	T11-b19.12*	TTTTTTTTTTTATCGAGCCCA	
P2_20.14	T11-b19.13*	TTTTTTTTTTTATATGTAGGA	
P2_20.15	T11-b19.14*	TTTTTTTTTTTATAGGCCGAA	
P2_21.1	T10-b20.1*	TTTTTTTTTTTAAAGCAAGGTAA	
P2_21.2	T10-b20.2*	TTTTTTTTTTTATTAGCGCAA	
P2_21.3	T10-b20.3*	TTTTTTTTTTTACATGCAGCTA	
P2_21.4	T10-b20.4*	TTTTTTTTTTTAAAGAATTAACA	
P2_21.5	T10-b20.5*	TTTTTTTTTTTAAAGCACTTACA	
P2_21.6	T10-b20.6*	TTTTTTTTTTTACCTACTACCA	
P2_21.7	T10-b20.7*	TTTTTTTTTTTATCTAATTGTA	
P2_21.8	T10-b20.8*	TTTTTTTTTTTAGCCGTGCCTA	
P2_21.9	T10-b20.9*	TTTTTTTTTTTAAAGAGTTCGTA	
P2_21.10	T10-b20.10*	TTTTTTTTTTTACAATGGGTGA	
P2_21.11	T10-b20.11*	TTTTTTTTTTTATAATCTTGAA	
P2_21.12	T10-b20.12*	TTTTTTTTTTTAGCACTCTGGA	
P2_21.13	T10-b20.13*	TTTTTTTTTTTAAACACAGCTCA	
P2_21.14	T10-b20.14*	TTTTTTTTTTTACCCAAGATCA	
P2_22.2	T11-b21.1*	TTTTTTTTTTTATCGTTAGGA	
P2_22.3	T11-b21.2*	TTTTTTTTTTTAGGTCTTGCA	
P2_22.4	T11-b21.3*	TTTTTTTTTTTAAATTTCCAAA	
P2_22.5	T11-b21.4*	TTTTTTTTTTTATCTAAATTA	
P2_22.6	T11-b21.5*	TTTTTTTTTTTATTGGATAA	
P2_22.7	T11-b21.6*	TTTTTTTTTTTAAAGGATAGGA	
P2_22.8	T11-b21.7*	TTTTTTTTTTTAGGACCCCTTA	
P2_22.9	T11-b21.8*	TTTTTTTTTTTAGTTCCGGTA	
P2_22.10	T11-b21.9*	TTTTTTTTTTTATTTGCCATA	
P2_22.11	T11-b21.10*	TTTTTTTTTTTAGGCCTGTGA	
P2_22.12	T11-b21.11*	TTTTTTTTTTTAAACACCAGA	
P2_22.13	T11-b21.12*	TTTTTTTTTTTACTTGTTAAA	
P2_22.14	T11-b21.13*	TTTTTTTTTTTACCTGAGATA	
P2_22.15	T11-b21.14*	TTTTTTTTTTTATGTTCCGTA	

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P2_23.1	T10-b22.1*	TTTTTTTTTTAACAAACAACA	
P2_23.2	T10-b22.2*	TTTTTTTTTTTACCTCAATGTA	
P2_23.3	T10-b22.3*	TTTTTTTTTTTACAATCATGGA	
P2_23.4	T10-b22.4*	TTTTTTTTTTTACTCGTGGAGCA	
P2_23.5	T10-b22.5*	TTTTTTTTTTTAACTATCGGCA	
P2_23.6	T10-b22.6*	TTTTTTTTTTTAACTGATACA	
P2_23.7	T10-b22.7*	TTTTTTTTTTTACGAATAGAA	
P2_23.8	T10-b22.8*	TTTTTTTTTTTATTGTTGAAGA	
P2_23.9	T10-b22.9*	TTTTTTTTTTTATAGCACCGAA	
P2_23.10	T10-b22.10*	TTTTTTTTTTTACGGAGCTCGA	
P2_23.11	T10-b22.11*	TTTTTTTTTTTACGCTTGTGA	
P2_23.12	T10-b22.12*	TTTTTTTTTTTACGGCCCTTTA	
P2_23.13	T10-b22.13*	TTTTTTTTTTTACTGGCATACA	
P2_23.14	T10-b22.14*	TTTTTTTTTTTAAATGAGAGGCA	
P2_24.2	T11-b23.1*	TTTTTTTTTTTAAAGTTAGCAA	
P2_24.3	T11-b23.2*	TTTTTTTTTTTACGCTCCTGA	
P2_24.4	T11-b23.3*	TTTTTTTTTTTAAATAAACGGA	
P2_24.5	T11-b23.4*	TTTTTTTTTTTATAGACCATA	
P2_24.6	T11-b23.5*	TTTTTTTTTTTACTGTACCGA	
P2_24.7	T11-b23.6*	TTTTTTTTTTTATAGCATAAA	
P2_24.8	T11-b23.7*	TTTTTTTTTTTACTGTCTAAA	
P2_24.9	T11-b23.8*	TTTTTTTTTTTACGCAGCCCA	
P2_24.10	T11-b23.9*	TTTTTTTTTTTAAACGTGCGTA	
P2_24.11	T11-b23.10*	TTTTTTTTTTTAAACGAGTCAA	
P2_24.12	T11-b23.11*	TTTTTTTTTTTAAAGTGCCCA	
P2_24.13	T11-b23.12*	TTTTTTTTTTTACTATGTATA	
P2_24.14	T11-b23.13*	TTTTTTTTTTTACCAAATCAA	
P2_24.15	T11-b23.14*	TTTTTTTTTTTAAAGTATAGAA	
P2_25.1	T10-b24.1*	TTTTTTTTTTTATACACTGA	
P2_25.2	T10-b24.2*	TTTTTTTTTTTATTATACTAAA	
P2_25.3	T10-b24.3*	TTTTTTTTTTTAGGGTCTTGTA	
P2_25.4	T10-b24.4*	TTTTTTTTTTTACTCGCAAATA	
P2_25.5	T10-b24.5*	TTTTTTTTTTTAAATGTTACGA	
P2_25.6	T10-b24.6*	TTTTTTTTTTTAGCTACCCAGA	
P2_25.7	T10-b24.7*	TTTTTTTTTTTACAGTTTGCTA	
P2_25.8	T10-b24.8*	TTTTTTTTTTTACGTGCGACTA	
P2_25.9	T10-b24.9*	TTTTTTTTTTTACCGAGGTCGA	
P2_25.10	T10-b24.10*	TTTTTTTTTTTAAACGGAATAGA	
P2_25.11	T10-b24.11*	TTTTTTTTTTTAGAGGCCCGTA	
P2_25.12	T10-b24.12*	TTTTTTTTTTTAGGTCGGAACA	
P2_25.13	T10-b24.13*	TTTTTTTTTTTATGACTACTTA	
P2_25.14	T10-b24.14*	TTTTTTTTTTTATACTCTTACA	
P3_1.1	a1.1-T10	CAGGGTGGTACTTTTTTTTTT	
P3_1.2	a1.2-T10	CCTCCGGGCACTTTTTTTTTT	
P3_1.3	a1.3-T10	CAACCGATCTCTTTTTTTTTT	
P3_1.4	a1.4-T10	CCCGTCAAAGCTTTTTTTTTT	
P3_1.5	a1.5-T10	CTATTTAGAACTTTTTTTTTT	
P3_1.6	a1.6-T10	CCAGGCCACCTTTTTTTTTT	
P3_1.7	a1.7-T10	CTTAAAGGCTCTTTTTTTTTT	
P3_1.8	a1.8-T10	CAGATCAGACTTTTTTTTTT	
P3_1.9	a1.9-T10	CGCCTCTATCCTTTTTTTTTT	
P3_1.10	a1.10-T10	CGGCTGAGAACTTTTTTTTTT	
P3_1.11	a1.11-T10	CGGTCCTCGCCCTTTTTTTTTT	
P3_1.12	a1.12-T10	CGGGCGCCAACCTTTTTTTTTT	
P3_1.13	a1.13-T10	CGGGACATCCCTTTTTTTTTT	
P3_1.14	a1.14-T10	CGGAGATGCGCTTTTTTTTTT	
P3_2.2	a2.2-T11	CGGGCTGGTCTTTTTTTTTT	
P3_2.3	a2.3-T11	CGAAGTTTCCTTTTTTTTTT	
P3_2.4	a2.4-T11	CTTCAAGTGCCTTTTTTTTTT	
P3_2.5	a2.5-T11	CGATTTACAGCTTTTTTTTTT	
P3_2.6	a2.6-T11	CCAATGCGCCTTTTTTTTTT	
P3_2.7	a2.7-T11	CATCACATCCCTTTTTTTTTT	
P3_2.8	a2.8-T11	CACAGTCTGCTTTTTTTTTT	

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P3_2.9	a2.9-T11	CTTGGATACCTTTTTTTTTTTT	
P3_2.10	a2.10-T11	CAACTCTAGCTTTTTTTTTTTT	
P3_2.11	a2.11-T11	CTCACATAACTTTTTTTTTTTT	
P3_2.12	a2.12-T11	CTTGGGAGGCTTTTTTTTTTTT	
P3_2.13	a2.13-T11	CAGCGGACTCTTTTTTTTTTTT	
P3_2.14	a2.14-T11	CATCGTGTGCTTTTTTTTTTTT	
P3_2.15	a2.15-T11	CCTATTTGTCTTTTTTTTTTTT	
P3_3.1	a3.1-T10	CGCCGCGTGTCTTTTTTTTTTTT	
P3_3.2	a3.2-T10	CCATTAGGGCCTTTTTTTTTTTT	
P3_3.3	a3.3-T10	CATATATCGACTTTTTTTTTTTT	
P3_3.4	a3.4-T10	CGAAAGTTGGCTTTTTTTTTTTT	
P3_3.5	a3.5-T10	CATACGGTTTCTTTTTTTTTTTT	
P3_3.6	a3.6-T10	CAAGGCTCGGCTTTTTTTTTTTT	
P3_3.7	a3.7-T10	CAACTTAGCTCTTTTTTTTTTTT	
P3_3.8	a3.8-T10	CACTTCCCATCTTTTTTTTTTTT	
P3_3.9	a3.9-T10	CAAGTCCGCGCTTTTTTTTTTTT	
P3_3.10	a3.10-T10	CGTGTAGAATCTTTTTTTTTTTT	
P3_3.11	a3.11-T10	CAGCTGAGAGCTTTTTTTTTTTT	
P3_3.12	a3.12-T10	CATCTTAGGGCTTTTTTTTTTTT	
P3_3.13	a3.13-T10	CCTTCTCGACTTTTTTTTTTTT	
P3_3.14	a3.14-T10	CGCCCTGTTTCTTTTTTTTTTTT	
P3_4.2	a4.2-T11	CAGGCTCTACTTTTTTTTTTTT	
P3_4.3	a4.3-T11	CGCGCTAGACTTTTTTTTTTTT	
P3_4.4	a4.4-T11	CTACGCTATCTTTTTTTTTTTT	
P3_4.5	a4.5-T11	CGGAGTAAACTTTTTTTTTTTT	
P3_4.6	a4.6-T11	CAGATAAAGCTTTTTTTTTTTT	
P3_4.7	a4.7-T11	CGCCTCCTTCTTTTTTTTTTTT	
P3_4.8	a4.8-T11	CCAAC TAGGCTTTTTTTTTTTT	
P3_4.9	a4.9-T11	CTAATGATGCTTTTTTTTTTTT	
P3_4.10	a4.10-T11	CCGCCAGTACTTTTTTTTTTTT	
P3_4.11	a4.11-T11	CGTGGCGTTCCTTTTTTTTTTTT	
P3_4.12	a4.12-T11	CACTTTATTCCTTTTTTTTTTTT	
P3_4.13	a4.13-T11	CCCGACCGTCTTTTTTTTTTTT	
P3_4.14	a4.14-T11	CGGATTTGACTTTTTTTTTTTT	
P3_4.15	a4.15-T11	CATGCTCGCCTTTTTTTTTTTT	
P3_5.1	a5.1-T10	CGGACTTCATCTTTTTTTTTTTT	
P3_5.2	a5.2-T10	CCGTTGATGACTTTTTTTTTTTT	
P3_5.3	a5.3-T10	CTAATGGGACCTTTTTTTTTTTT	
P3_5.4	a5.4-T10	CCACTTCCTTCTTTTTTTTTTTT	
P3_5.5	a5.5-T10	CAGTACATAGCTTTTTTTTTTTT	
P3_5.6	a5.6-T10	CGAAGGGAGCCTTTTTTTTTTTT	
P3_5.7	a5.7-T10	CGCCAAGTAGCTTTTTTTTTTTT	
P3_5.8	a5.8-T10	CTAGCAGCATCTTTTTTTTTTTT	
P3_5.9	a5.9-T10	CAAGCGCGTACTTTTTTTTTTTT	
P3_5.10	a5.10-T10	CCCTGCGCACCTTTTTTTTTTTT	
P3_5.11	a5.11-T10	CCCTAACCCCTTTTTTTTTTTT	
P3_5.12	a5.12-T10	CTGCAAACATCTTTTTTTTTTTT	
P3_5.13	a5.13-T10	CATGGTACGGCTTTTTTTTTTTT	
P3_5.14	a5.14-T10	CATGCGGCTGCTTTTTTTTTTTT	
P3_6.2	a6.2-T11	CCCGTGGTCCCTTTTTTTTTTTT	
P3_6.3	a6.3-T11	CTTTATFGGCTTTTTTTTTTTT	
P3_6.4	a6.4-T11	CACTAGAAGCTTTTTTTTTTTT	
P3_6.5	a6.5-T11	CGCGAGAGCCTTTTTTTTTTTT	
P3_6.6	a6.6-T11	CGCGTCCCTCTTTTTTTTTTTT	
P3_6.7	a6.7-T11	CCAGTTAGTCTTTTTTTTTTTT	
P3_6.8	a6.8-T11	CCAATACTCCCTTTTTTTTTTTT	
P3_6.9	a6.9-T11	CCAATCGGCCCTTTTTTTTTTTT	
P3_6.10	a6.10-T11	CCCTATATTCCTTTTTTTTTTTT	
P3_6.11	a6.11-T11	CGGTGGCCGCTTTTTTTTTTTT	
P3_6.12	a6.12-T11	CTGTTGCTTCTTTTTTTTTTTT	
P3_6.13	a6.13-T11	CAGCGTTGGCTTTTTTTTTTTT	
P3_6.14	a6.14-T11	CGTGGTCAGCTTTTTTTTTTTT	
P3_6.15	a6.15-T11	CCCTGACGCCCTTTTTTTTTTTT	

Seq_ID	Domains	Sequence	Note
P3_7.1	a7.1-T10	CGATTGGTCTCTTTTTTTTTTT	
P3_7.2	a7.2-T10	CGGGCCGGCTCTTTTTTTTTTT	
P3_7.3	a7.3-T10	CAGAGGATGGCTTTTTTTTTTT	
P3_7.4	a7.4-T10	CACCAAAGGGCTTTTTTTTTTT	
P3_7.5	a7.5-T10	CTTGTTTCAGACTTTTTTTTTTT	
P3_7.6	a7.6-T10	CAGAGCATCCCTTTTTTTTTTT	
P3_7.7	a7.7-T10	CGTACTGGTCTCTTTTTTTTTTT	
P3_7.8	a7.8-T10	CCTCGGACGCCTTTTTTTTTTT	
P3_7.9	a7.9-T10	CCACCAAACCTCTTTTTTTTTTT	
P3_7.10	a7.10-T10	CATGAGTGAACCTTTTTTTTTTT	
P3_7.11	a7.11-T10	CTAGAGTACACTTTTTTTTTTT	
P3_7.12	a7.12-T10	CGAGAAGTATCTTTTTTTTTTT	
P3_7.13	a7.13-T10	CTATTGAGGACTTTTTTTTTTT	
P3_7.14	a7.14-T10	CCGACTGCTGCTTTTTTTTTTT	
P3_8.2	a8.2-T11	CCGCACAGCCCTTTTTTTTTTT	
P3_8.3	a8.3-T11	CTAGGTTCCCTTTTTTTTTTTT	
P3_8.4	a8.4-T11	CTATGGCTACTTTTTTTTTTTT	
P3_8.5	a8.5-T11	CGTGTGTGCCCTTTTTTTTTTT	
P3_8.6	a8.6-T11	CGAGCGTCTCTTTTTTTTTTTT	
P3_8.7	a8.7-T11	CTGACGCTCCCTTTTTTTTTTT	
P3_8.8	a8.8-T11	CACATTTAACTTTTTTTTTTTT	
P3_8.9	a8.9-T11	CAACATACGCCTTTTTTTTTTT	
P3_8.10	a8.10-T11	CAATACTTCCCTTTTTTTTTTT	
P3_8.11	a8.11-T11	CTTCCAGCCCTTTTTTTTTTTT	
P3_8.12	a8.12-T11	CCCTATCCACTTTTTTTTTTTT	
P3_8.13	a8.13-T11	CTCCAAGCCCTTTTTTTTTTTT	
P3_8.14	a8.14-T11	CCTACGGATCTTTTTTTTTTTT	
P3_8.15	a8.15-T11	CCAGCAACGCCTTTTTTTTTTT	
P3_9.1	a9.1-T10	CAGGGTGGTACTTTTTTTTTTT	
P3_9.2	a9.2-T10	CCTCCGGGCACTTTTTTTTTTT	
P3_9.3	a9.3-T10	CAACCGATCTCTTTTTTTTTTT	
P3_9.4	a9.4-T10	CCCGTCAAAGCTTTTTTTTTTT	
P3_9.5	a9.5-T10	CTATTTAGAACCTTTTTTTTTTT	
P3_9.6	a9.6-T10	CCAGGCCACCTTTTTTTTTTTT	
P3_9.7	a9.7-T10	CTTAAAGGCTCTTTTTTTTTTT	
P3_9.8	a9.8-T10	CAGATCACGACTTTTTTTTTTT	
P3_9.9	a9.9-T10	CGGTCITTAACCTTTTTTTTTTT	
P3_9.10	a9.10-T10	CAGTTCGTCACTTTTTTTTTTT	
P3_9.11	a9.11-T10	CATACTGTCTCTTTTTTTTTTT	
P3_9.12	a9.12-T10	CTTGGCTTTACTTTTTTTTTTT	
P3_9.13	a9.13-T10	CGTAAGGGCACTTTTTTTTTTT	
P3_9.14	a9.14-T10	CTCGCTTTAGCTTTTTTTTTTT	
P3_10.2	a10.2-T11	CGGGCTGGTCTTTTTTTTTTTT	
P3_10.3	a10.3-T11	CGAAGTTTCCCTTTTTTTTTTT	
P3_10.4	a10.4-T11	CTTCAAGTGCCTTTTTTTTTTT	
P3_10.5	a10.5-T11	CGATTTACAGCTTTTTTTTTTTT	
P3_10.6	a10.6-T11	CCAATGCGCCCTTTTTTTTTTT	
P3_10.7	a10.7-T11	CATCACATCCCTTTTTTTTTTT	
P3_10.8	a10.8-T11	CACAGTCTGCTTTTTTTTTTTT	
P3_10.9	a10.9-T11	CGAATTTAACTTTTTTTTTTTT	
P3_10.10	a10.10-T11	CATAAGCGACTTTTTTTTTTTT	
P3_10.11	a10.11-T11	CATGCAACCCCTTTTTTTTTTT	
P3_10.12	a10.12-T11	CACTACTGGCTTTTTTTTTTTT	
P3_10.13	a10.13-T11	CTGTAAGGCTCTTTTTTTTTTT	
P3_10.14	a10.14-T11	CCGTCTAACCTTTTTTTTTTTT	
P3_10.15	a10.15-T11	CGGCAACGTCCTTTTTTTTTTT	
P3_11.1	a11.1-T10	CGCCGCGTGTCTTTTTTTTTTT	
P3_11.2	a11.2-T10	CCATTAGGGCCTTTTTTTTTTT	
P3_11.3	a11.3-T10	CATATATCGACTTTTTTTTTTT	
P3_11.4	a11.4-T10	CGAAAGTTGGCTTTTTTTTTTT	
P3_11.5	a11.5-T10	CATACGGTTTCTTTTTTTTTTT	
P3_11.6	a11.6-T10	CAAGGCTCGGCTTTTTTTTTTT	
P3_11.7	a11.7-T10	CAACTTAGCTCTTTTTTTTTTT	

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P3_11.8	a11.8-T10	CACTTCCCATCTTTTTTTTTTT	
P3_11.9	a11.9-T10	CGTCCTTGGACTTTTTTTTTTT	
P3_11.10	a11.10-T10	CTGCGAAGGCCTTTTTTTTTTT	
P3_11.11	a11.11-T10	CTTCTTCGAACTTTTTTTTTTT	
P3_11.12	a11.12-T10	CAGTCGTGTCCTTTTTTTTTTT	
P3_11.13	a11.13-T10	CATTACATGGCTTTTTTTTTTT	
P3_11.14	a11.14-T10	CCAGCATCCACTTTTTTTTTTT	
P3_12.2	a12.2-T11	CAGGCTCTACTTTTTTTTTTTT	
P3_12.3	a12.3-T11	CGCGCTAGACTTTTTTTTTTTT	
P3_12.4	a12.4-T11	CTACGCTATCTTTTTTTTTTTT	
P3_12.5	a12.5-T11	CGGAGTAAACTTTTTTTTTTTT	
P3_12.6	a12.6-T11	CAGATAAAGCTTTTTTTTTTTT	
P3_12.7	a12.7-T11	CGCCTCCTTCTTTTTTTTTTTT	
P3_12.8	a12.8-T11	CCAACTAGGCTTTTTTTTTTTT	
P3_12.9	a12.9-T11	CAAATGATCTTTTTTTTTTTT	
P3_12.10	a12.10-T11	CTTCACGGACTTTTTTTTTTTT	
P3_12.11	a12.11-T11	CGCGCCTGACTTTTTTTTTTTT	
P3_12.12	a12.12-T11	CTCAAACCTCTTTTTTTTTTTT	
P3_12.13	a12.13-T11	CATACATCACTTTTTTTTTTT	
P3_12.14	a12.14-T11	CCACGGGTGCTTTTTTTTTTTT	
P3_12.15	a12.15-T11	CCACCTCCTCTTTTTTTTTTTT	
P3_13.1	a13.1-T10	CCCGAAGTACCTTTTTTTTTTT	
P3_13.2	a13.2-T10	CGTTACCAGGCTTTTTTTTTTT	
P3_13.3	a13.3-T10	CTGTCCCACTCTTTTTTTTTTT	
P3_13.4	a13.4-T10	CATTATATTGCTTTTTTTTTTT	
P3_13.5	a13.5-T10	CGTGCATGCCCTTTTTTTTTTT	
P3_13.6	a13.6-T10	CATTGCACTGCTTTTTTTTTTT	
P3_13.7	a13.7-T10	CTTCATCGACTTTTTTTTTTTT	
P3_13.8	a13.8-T10	CTACCGGCGCTTTTTTTTTTTT	
P3_13.9	a13.9-T10	CCGCGGTGTGCTTTTTTTTTTT	
P3_13.10	a13.10-T10	CCCGAGGTTCCCTTTTTTTTTTT	
P3_13.11	a13.11-T10	CATGAGCGTGCTTTTTTTTTTT	
P3_13.12	a13.12-T10	CTCTGGAATACCTTTTTTTTTTT	
P3_13.13	a13.13-T10	CTATTCGTTGCTTTTTTTTTTT	
P3_13.14	a13.14-T10	CCCTCGCAGACTTTTTTTTTTT	
P3_14.2	a14.2-T11	CCGATGCGACTTTTTTTTTTTT	
P3_14.3	a14.3-T11	CGCTGCCAGCTTTTTTTTTTTT	
P3_14.4	a14.4-T11	CAGAAGGCTCTTTTTTTTTTTT	
P3_14.5	a14.5-T11	CGAGCGCCGCTTTTTTTTTTTT	
P3_14.6	a14.6-T11	CAGGAGGCTCTTTTTTTTTTTT	
P3_14.7	a14.7-T11	CTGGGACGACTTTTTTTTTTTT	
P3_14.8	a14.8-T11	CTGCACCAGCTTTTTTTTTTTT	
P3_14.9	a14.9-T11	CAAAGGAAACTTTTTTTTTTTT	
P3_14.10	a14.10-T11	CTCTGCTCTCTTTTTTTTTTTT	
P3_14.11	a14.11-T11	CATGTAAGACTTTTTTTTTTTT	
P3_14.12	a14.12-T11	CTTTAGGAACTTTTTTTTTTTT	
P3_14.13	a14.13-T11	CCCAGCGATCTTTTTTTTTTTT	
P3_14.14	a14.14-T11	CACGAACAGCTTTTTTTTTTTT	
P3_14.15	a14.15-T11	CTATAGTAACTTTTTTTTTTTT	
P3_15.1	a15.1-T10	CTGGGCAAGCCTTTTTTTTTTT	
P3_15.2	a15.2-T10	CGTGGGTCCTTTTTTTTTTTT	
P3_15.3	a15.3-T10	CGCGGGCCGCCTTTTTTTTTTT	
P3_15.4	a15.4-T10	CTATCTGTACTTTTTTTTTTTT	
P3_15.5	a15.5-T10	CCAAACCGTCTTTTTTTTTTTT	
P3_15.6	a15.6-T10	CATGTCCCAACTTTTTTTTTTTT	
P3_15.7	a15.7-T10	CCAGCGGTTCTTTTTTTTTTTT	
P3_15.8	a15.8-T10	CTTGACCGCTCTTTTTTTTTTT	
P3_15.9	a15.9-T10	CTGCGGGCCACTTTTTTTTTTT	
P3_15.10	a15.10-T10	CTACCTTAGTCTTTTTTTTTTT	
P3_15.11	a15.11-T10	CTACTTGCTGCTTTTTTTTTTT	
P3_15.12	a15.12-T10	CAGTATCTGCCTTTTTTTTTTT	
P3_15.13	a15.13-T10	CGCTTTGGCACTTTTTTTTTTT	
P3_15.14	a15.14-T10	CGGTGTGCACTTTTTTTTTTTT	

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P3_16.2	a16.2-T11	CAAGACATACTTTTTTTTTTTT	
P3_16.3	a16.3-T11	CTAGACCACCTTTTTTTTTTTT	
P3_16.4	a16.4-T11	CCCTTGTGGCTTTTTTTTTTTT	
P3_16.5	a16.5-T11	CACCGAACCCCTTTTTTTTTTTT	
P3_16.6	a16.6-T11	CCTGAAGTTCTTTTTTTTTTTT	
P3_16.7	a16.7-T11	CTGAGTGACCTTTTTTTTTTTT	
P3_16.8	a16.8-T11	CCCTCAGCACCTTTTTTTTTTTT	
P3_16.9	a16.9-T11	CTGGTAGGACTTTTTTTTTTTT	
P3_16.10	a16.10-T11	CGTGCCCTGCTTTTTTTTTTTT	
P3_16.11	a16.11-T11	CCAACATTACTTTTTTTTTTTT	
P3_16.12	a16.12-T11	CGACAAACACTTTTTTTTTTTT	
P3_16.13	a16.13-T11	CGCCCACCGCTTTTTTTTTTTT	
P3_16.14	a16.14-T11	CGGGACGAGCTTTTTTTTTTTT	
P3_16.15	a16.15-T11	CATTGTACTCTTTTTTTTTTTT	
P3_17.1	a17.1-T10	CTTTGGGTACCTTTTTTTTTTTT	
P3_17.2	a17.2-T10	CGCATGTCCGCTTTTTTTTTTTT	
P3_17.3	a17.3-T10	CTAAGGACGCTTTTTTTTTTTT	
P3_17.4	a17.4-T10	CAAATGCATACTTTTTTTTTTTT	
P3_17.5	a17.5-T10	CACTTAGAGTCTTTTTTTTTTTT	
P3_17.6	a17.6-T10	CTCTCATGTACTTTTTTTTTTTT	
P3_17.7	a17.7-T10	CCAGCTGTCACTTTTTTTTTTTT	
P3_17.8	a17.8-T10	CATCTGATATCTTTTTTTTTTTT	
P3_17.9	a17.9-T10	CTACTATGCGCTTTTTTTTTTTT	
P3_17.10	a17.10-T10	CTGCAGAAACCTTTTTTTTTTTT	
P3_17.11	a17.11-T10	CTTGAGGGATCTTTTTTTTTTTT	
P3_17.12	a17.12-T10	CAGGAGTCACCTTTTTTTTTTTT	
P3_17.13	a17.13-T10	CAAAC TACTACTTTTTTTTTTTT	
P3_17.14	a17.14-T10	CGAATGGGCTCTTTTTTTTTTTT	
P3_18.2	a18.2-T11	CGTTCGCTTCTTTTTTTTTTTT	
P3_18.3	a18.3-T11	CACCCTTACCTTTTTTTTTTTT	
P3_18.4	a18.4-T11	CGCCTCACACTTTTTTTTTTTT	
P3_18.5	a18.5-T11	CTAACCTGCCCTTTTTTTTTTTT	
P3_18.6	a18.6-T11	CGACGATACCTTTTTTTTTTTT	
P3_18.7	a18.7-T11	CTTCGCCTGCTTTTTTTTTTTT	
P3_18.8	a18.8-T11	CTATACGGCCTTTTTTTTTTTT	
P3_18.9	a18.9-T11	CACGCACGCCTTTTTTTTTTTT	
P3_18.10	a18.10-T11	CGACATGTGCTTTTTTTTTTTT	
P3_18.11	a18.11-T11	CACTACGTTCTTTTTTTTTTTT	
P3_18.12	a18.12-T11	CCACAGCAACTTTTTTTTTTTT	
P3_18.13	a18.13-T11	CTTCTGCGCCTTTTTTTTTTTT	
P3_18.14	a18.14-T11	CGATCACCGCTTTTTTTTTTTT	
P3_18.15	a18.15-T11	CTAACCGCACTTTTTTTTTTTT	
P3_19.1	a19.1-T10	CTGAGATGATCTTTTTTTTTTTT	
P3_19.2	a19.2-T10	CCCTTCCCGCCTTTTTTTTTTTT	
P3_19.3	a19.3-T10	CCTGGCTAGTCTTTTTTTTTTTT	
P3_19.4	a19.4-T10	CTACGTGGAGCTTTTTTTTTTTT	
P3_19.5	a19.5-T10	CTGACATTACCTTTTTTTTTTTT	
P3_19.6	a19.6-T10	CTAGGCGTTTCTTTTTTTTTTTT	
P3_19.7	a19.7-T10	CTTAAGGTGCCTTTTTTTTTTTT	
P3_19.8	a19.8-T10	CAACACTGGACTTTTTTTTTTTT	
P3_19.9	a19.9-T10	CCCTCGTTTACTTTTTTTTTTTT	
P3_19.10	a19.10-T10	CGACAGTGCCTTTTTTTTTTTT	
P3_19.11	a19.11-T10	CCGTACATCTCTTTTTTTTTTTT	
P3_19.12	a19.12-T10	CGGACCAGGGCTTTTTTTTTTTT	
P3_19.13	a19.13-T10	CTCGGAAGCTCTTTTTTTTTTTT	
P3_19.14	a19.14-T10	CGCCCGGGAAC TTTTTTTTTTTT	
P3_20.2	a20.2-T11	CGCTTAAGTCTTTTTTTTTTTT	
P3_20.3	a20.3-T11	CCCTAGGCCCTTTTTTTTTTTT	
P3_20.4	a20.4-T11	CTAAGCCTTCTTTTTTTTTTTT	
P3_20.5	a20.5-T11	CGGGCTCCACTTTTTTTTTTTT	
P3_20.6	a20.6-T11	CTCTGTTATCTTTTTTTTTTTT	
P3_20.7	a20.7-T11	CCCGTGC GACTTTTTTTTTTTT	
P3_20.8	a20.8-T11	CACCAACGGCTTTTTTTTTTTT	

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P3_20.9	a20.9-T11	CTGGGCAGTCTTTTTTTTTTTT	
P3_20.10	a20.10-T11	CGAGCGATACTTTTTTTTTTTT	
P3_20.11	a20.11-T11	CGTTATGCCCTTTTTTTTTTTT	
P3_20.12	a20.12-T11	CTGAAGGTCCCTTTTTTTTTTTT	
P3_20.13	a20.13-T11	CGGGCTTTGCTTTTTTTTTTTT	
P3_20.14	a20.14-T11	CGGCTACTTCTTTTTTTTTTTT	
P3_20.15	a20.15-T11	CGTCATATCCTTTTTTTTTTTT	
P3_21.1	a21.1-T10	CAGGGTGGTACTTTTTTTTTTTT	
P3_21.2	a21.2-T10	CCTCCGGGCACCTTTTTTTTTTTT	
P3_21.3	a21.3-T10	CAACCGATCTCTTTTTTTTTTTT	
P3_21.4	a21.4-T10	CCCGTCAAAGCTTTTTTTTTTTT	
P3_21.5	a21.5-T10	CTATTTAGAACTTTTTTTTTTTT	
P3_21.6	a21.6-T10	CCAGGCCACCTTTTTTTTTTTT	
P3_21.7	a21.7-T10	CTTAAAGGCTCTTTTTTTTTTTT	
P3_21.8	a21.8-T10	CAGATCACGACTTTTTTTTTTTT	
P3_21.9	a21.9-T10	CCTACAGCGTCTTTTTTTTTTTT	
P3_21.10	a21.10-T10	CGGATCACCTCTTTTTTTTTTTT	
P3_21.11	a21.11-T10	CCTAGCATCTCTTTTTTTTTTTT	
P3_21.12	a21.12-T10	CATAGCGGAACTTTTTTTTTTTT	
P3_21.13	a21.13-T10	CGACCGCCATCTTTTTTTTTTTT	
P3_21.14	a21.14-T10	CTGTGATGGACTTTTTTTTTTTT	
P3_22.2	a22.2-T11	CGGGCTGGTCTTTTTTTTTTTT	
P3_22.3	a22.3-T11	CGAAGTTTCCTTTTTTTTTTTT	
P3_22.4	a22.4-T11	CTTCAAGTGCCTTTTTTTTTTTT	
P3_22.5	a22.5-T11	CGATTTTCAGCTTTTTTTTTTTT	
P3_22.6	a22.6-T11	CCAATGCGCCTTTTTTTTTTTT	
P3_22.7	a22.7-T11	CATCACATCCTTTTTTTTTTTT	
P3_22.8	a22.8-T11	CACAGTCTGCTTTTTTTTTTTT	
P3_22.9	a22.9-T11	CCCTCTACACTTTTTTTTTTTT	
P3_22.10	a22.10-T11	CGGACTTAACTTTTTTTTTTTT	
P3_22.11	a22.11-T11	CCTGGCGATCTTTTTTTTTTTT	
P3_22.12	a22.12-T11	CGTGAGTCGCTTTTTTTTTTTT	
P3_22.13	a22.13-T11	CCCTCCCTACTTTTTTTTTTTT	
P3_22.14	a22.14-T11	CTAGAAATGCTTTTTTTTTTTT	
P3_22.15	a22.15-T11	CGGCTGGGACTTTTTTTTTTTT	
P3_23.1	a23.1-T10	CGCCGCGTGTCTTTTTTTTTTTT	
P3_23.2	a23.2-T10	CCATTAGGGCCTTTTTTTTTTTT	
P3_23.3	a23.3-T10	CATATATCGACTTTTTTTTTTTT	
P3_23.4	a23.4-T10	CGAAAGTTGGCTTTTTTTTTTTT	
P3_23.5	a23.5-T10	CATACGGTTTCTTTTTTTTTTTT	
P3_23.6	a23.6-T10	CAAGGCTCGGCTTTTTTTTTTTT	
P3_23.7	a23.7-T10	CAACTTAGCTCTTTTTTTTTTTT	
P3_23.8	a23.8-T10	CACTTCCCATCTTTTTTTTTTTT	
P3_23.9	a23.9-T10	CCTATGGACACTTTTTTTTTTTT	
P3_23.10	a23.10-T10	CAGAGATGAACTTTTTTTTTTTT	
P3_23.11	a23.11-T10	CACCCTAGCGCTTTTTTTTTTTT	
P3_23.12	a23.12-T10	CCTGCCCGTACTTTTTTTTTTTT	
P3_23.13	a23.13-T10	CGAAGAGACCCTTTTTTTTTTTT	
P3_23.14	a23.14-T10	CCTTTGCCGGCTTTTTTTTTTTT	
P3_24.2	a24.2-T11	CAGGCTCTACTTTTTTTTTTTT	
P3_24.3	a24.3-T11	CGCGCTAGACTTTTTTTTTTTT	
P3_24.4	a24.4-T11	CTACGTATCTTTTTTTTTTTT	
P3_24.5	a24.5-T11	CGGAGTAAACTTTTTTTTTTTT	
P3_24.6	a24.6-T11	CAGATAAAGCTTTTTTTTTTTT	
P3_24.7	a24.7-T11	CGCCTCCTTCTTTTTTTTTTTT	
P3_24.8	a24.8-T11	CCAAC TAGGCTTTTTTTTTTTT	
P3_24.9	a24.9-T11	CCAGAATGACTTTTTTTTTTTT	
P3_24.10	a24.10-T11	CAAAGACGACTTTTTTTTTTTT	
P3_24.11	a24.11-T11	CTGGGCCAAC TTTTTTTTTTTT	
P3_24.12	a24.12-T11	CGTGTGTGACTTTTTTTTTTTT	
P3_24.13	a24.13-T11	CACCGTTTCCTTTTTTTTTTTT	
P3_24.14	a24.14-T11	CCCAGGCTTCTTTTTTTTTTTT	
P3_24.15	a24.15-T11	CTTGG AAGACTTTTTTTTTTTT	

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P4_1.1	T11-b1.1	TTTTTTTTTTTTTATTATCGT	
P4_1.2	T11-b1.2	TTTTTTTTTTTTTCAGCTTACT	
P4_1.3	T11-b1.3	TTTTTTTTTTTTTGGATAATAT	
P4_1.4	T11-b1.4	TTTTTTTTTTTTTATATTTCT	
P4_1.5	T11-b1.5	TTTTTTTTTTTTTCCAGGAAGT	
P4_1.6	T11-b1.6	TTTTTTTTTTTTTATATGGATT	
P4_1.7	T11-b1.7	TTTTTTTTTTTTTGGTGAAGT	
P4_1.8	T11-b1.8	TTTTTTTTTTTTTAAACACACCT	
P4_1.9	T11-b1.9	TTTTTTTTTTTTTGTGAACACT	
P4_1.10	T11-b1.10	TTTTTTTTTTTTTAAAGTTTCT	
P4_1.11	T11-b1.11	TTTTTTTTTTTTTAGAATGAT	
P4_1.12	T11-b1.12	TTTTTTTTTTTTTGAAGCCCTT	
P4_1.13	T11-b1.13	TTTTTTTTTTTTTTAGTCGAT	
P4_1.14	T11-b1.14	TTTTTTTTTTTTTCAGATGTAT	
P4_2.1	T10-b2.1	TTTTTTTTTTTTTGGGTGCCAT	
P4_2.2	T10-b2.2	TTTTTTTTTTTTTCCGAAGGACT	
P4_2.3	T10-b2.3	TTTTTTTTTTTTTGCATATGAT	
P4_2.4	T10-b2.4	TTTTTTTTTTTTTCCCTGCAGCT	
P4_2.5	T10-b2.5	TTTTTTTTTTTTTAAAGTTGTGT	
P4_2.6	T10-b2.6	TTTTTTTTTTTTTGCACCTGTAT	
P4_2.7	T10-b2.7	TTTTTTTTTTTTTCGTTTCGTACT	
P4_2.8	T10-b2.8	TTTTTTTTTTTTTACTGCAGATT	
P4_2.9	T10-b2.9	TTTTTTTTTTTTTCAGTCTGACT	
P4_2.10	T10-b2.10	TTTTTTTTTTTTTCCTCCGCACT	
P4_2.11	T10-b2.11	TTTTTTTTTTTTTCCCTCTTCT	
P4_2.12	T10-b2.12	TTTTTTTTTTTTTAAAGAATGCT	
P4_2.13	T10-b2.13	TTTTTTTTTTTTTAGTGGGCTAT	
P4_2.14	T10-b2.14	TTTTTTTTTTTTTATTCCTCTT	
P4_3.1	T11-b3.1	TTTTTTTTTTTTTATCGTGGTT	
P4_3.2	T11-b3.2	TTTTTTTTTTTTTAAAGCAGCCT	
P4_3.3	T11-b3.3	TTTTTTTTTTTTTTCGTCAAGGT	
P4_3.4	T11-b3.4	TTTTTTTTTTTTTAAACGACAT	
P4_3.5	T11-b3.5	TTTTTTTTTTTTTAGAAAGATT	
P4_3.6	T11-b3.6	TTTTTTTTTTTTTATGCAATT	
P4_3.7	T11-b3.7	TTTTTTTTTTTTTGAAAGTCGT	
P4_3.8	T11-b3.8	TTTTTTTTTTTTTAAACCAGGT	
P4_3.9	T11-b3.9	TTTTTTTTTTTTTTCGTCAGATT	
P4_3.10	T11-b3.10	TTTTTTTTTTTTTAGAGCTGAT	
P4_3.11	T11-b3.11	TTTTTTTTTTTTTTGGTCGGT	
P4_3.12	T11-b3.12	TTTTTTTTTTTTTGCTGTGTAT	
P4_3.13	T11-b3.13	TTTTTTTTTTTTTCTGAAGTGT	
P4_3.14	T11-b3.14	TTTTTTTTTTTTTGAGTCCCTT	
P4_4.1	T10-b4.1	TTTTTTTTTTTTTGGGAGTGGAT	
P4_4.2	T10-b4.2	TTTTTTTTTTTTTGGGAGGATAT	
P4_4.3	T10-b4.3	TTTTTTTTTTTTTACATTTATAT	
P4_4.4	T10-b4.4	TTTTTTTTTTTTTTACCATTAT	
P4_4.5	T10-b4.5	TTTTTTTTTTTTTGTGCCTTGT	
P4_4.6	T10-b4.6	TTTTTTTTTTTTTACTAGCATTT	
P4_4.7	T10-b4.7	TTTTTTTTTTTTTCAATAATAAT	
P4_4.8	T10-b4.8	TTTTTTTTTTTTTGGACCATCGT	
P4_4.9	T10-b4.9	TTTTTTTTTTTTTAAATGAACAT	
P4_4.10	T10-b4.10	TTTTTTTTTTTTTAAATACCTGT	
P4_4.11	T10-b4.11	TTTTTTTTTTTTTACCATTGTTT	
P4_4.12	T10-b4.12	TTTTTTTTTTTTTATGAGTTAAT	
P4_4.13	T10-b4.13	TTTTTTTTTTTTTGCCCTCGCTT	
P4_4.14	T10-b4.14	TTTTTTTTTTTTTCACAGAGACT	
P4_5.1	T11-b5.1	TTTTTTTTTTTTTATGGTTTAT	
P4_5.2	T11-b5.2	TTTTTTTTTTTTTGGGCGGATT	
P4_5.3	T11-b5.3	TTTTTTTTTTTTTCTGGTCCCT	
P4_5.4	T11-b5.4	TTTTTTTTTTTTTGGTTCGGT	
P4_5.5	T11-b5.5	TTTTTTTTTTTTTAGGATGCAT	
P4_5.6	T11-b5.6	TTTTTTTTTTTTTGGCATTGT	
P4_5.7	T11-b5.7	TTTTTTTTTTTTTAGTCCGCAT	

Seq_ID	Domains	Sequence	Note
P4_5.8	T11-b5.8	TTTTTTTTTTTTTAATCCATTT	
P4_5.9	T11-b5.9	TTTTTTTTTTTTTTACCTGACT	
P4_5.10	T11-b5.10	TTTTTTTTTTTTTTCGCGACGT	
P4_5.11	T11-b5.11	TTTTTTTTTTTTTTTAGGTACT	
P4_5.12	T11-b5.12	TTTTTTTTTTTTTTACTGACCT	
P4_5.13	T11-b5.13	TTTTTTTTTTTTTTAACATATCT	
P4_5.14	T11-b5.14	TTTTTTTTTTTTTTACGGGCAT	
P4_6.1	T10-b6.1	TTTTTTTTTTTTTGGAGGATTCT	
P4_6.2	T10-b6.2	TTTTTTTTTTTTTCGCCCAGAAAT	
P4_6.3	T10-b6.3	TTTTTTTTTTTTTCTCAGTTAT	
P4_6.4	T10-b6.4	TTTTTTTTTTTTTAAGGGTAAT	
P4_6.5	T10-b6.5	TTTTTTTTTTTTTCTGTATT	
P4_6.6	T10-b6.6	TTTTTTTTTTTTTACGGCGAGAT	
P4_6.7	T10-b6.7	TTTTTTTTTTTTTCAATGCAGTT	
P4_6.8	T10-b6.8	TTTTTTTTTTTTTCGGAGGCAGT	
P4_6.9	T10-b6.9	TTTTTTTTTTTTTGCAGGCTGTT	
P4_6.10	T10-b6.10	TTTTTTTTTTTTTCTGGGCAAT	
P4_6.11	T10-b6.11	TTTTTTTTTTTTTACAACCAATT	
P4_6.12	T10-b6.12	TTTTTTTTTTTTTTAGTCTTT	
P4_6.13	T10-b6.13	TTTTTTTTTTTTTGAAACTCGCT	
P4_6.14	T10-b6.14	TTTTTTTTTTTTTGCTCTAGTT	
P4_7.1	T11-b7.1	TTTTTTTTTTTTTGAGACTTAT	
P4_7.2	T11-b7.2	TTTTTTTTTTTTTATTGACAAAT	
P4_7.3	T11-b7.3	TTTTTTTTTTTTTTCCGATGT	
P4_7.4	T11-b7.4	TTTTTTTTTTTTTCAACAACCTT	
P4_7.5	T11-b7.5	TTTTTTTTTTTTTCGAATTCCT	
P4_7.6	T11-b7.6	TTTTTTTTTTTTTACAGATGCT	
P4_7.7	T11-b7.7	TTTTTTTTTTTTTGCAGGCTCT	
P4_7.8	T11-b7.8	TTTTTTTTTTTTTAACTTCTGT	
P4_7.9	T11-b7.9	TTTTTTTTTTTTTATAGCCCGT	
P4_7.10	T11-b7.10	TTTTTTTTTTTTTGTTAGGCTCT	
P4_7.11	T11-b7.11	TTTTTTTTTTTTTTACCCGCAT	
P4_7.12	T11-b7.12	TTTTTTTTTTTTTTATGCACCCCT	
P4_7.13	T11-b7.13	TTTTTTTTTTTTTTATCCAATCT	
P4_7.14	T11-b7.14	TTTTTTTTTTTTTGGCAATAGT	
P4_8.1	T10-b8.1	TTTTTTTTTTTTTGCTTGGGTT	
P4_8.2	T10-b8.2	TTTTTTTTTTTTTCATACCCTCT	
P4_8.3	T10-b8.3	TTTTTTTTTTTTTCCCTATAAAT	
P4_8.4	T10-b8.4	TTTTTTTTTTTTTCACAACCGTT	
P4_8.5	T10-b8.5	TTTTTTTTTTTTTATATCACGCT	
P4_8.6	T10-b8.6	TTTTTTTTTTTTTGTGTCTTT	
P4_8.7	T10-b8.7	TTTTTTTTTTTTTCTGGACCTAT	
P4_8.8	T10-b8.8	TTTTTTTTTTTTTAACTTATCCT	
P4_8.9	T10-b8.9	TTTTTTTTTTTTTCGAGCCAGT	
P4_8.10	T10-b8.10	TTTTTTTTTTTTTACACCTATCT	
P4_8.11	T10-b8.11	TTTTTTTTTTTTTAAAGCGGAT	
P4_8.12	T10-b8.12	TTTTTTTTTTTTTTAGTTCGACT	
P4_8.13	T10-b8.13	TTTTTTTTTTTTTCACGAAACAT	
P4_8.14	T10-b8.14	TTTTTTTTTTTTTGATGCACATT	
P4_9.1	T11-b9.1	TTTTTTTTTTTTTTCCGTAAT	
P4_9.2	T11-b9.2	TTTTTTTTTTTTTTAGTGCTCAT	
P4_9.3	T11-b9.3	TTTTTTTTTTTTTTGTGCATATT	
P4_9.4	T11-b9.4	TTTTTTTTTTTTTTCGTACCAAT	
P4_9.5	T11-b9.5	TTTTTTTTTTTTTTGCAATAGTAT	
P4_9.6	T11-b9.6	TTTTTTTTTTTTTTCCTGTGCT	
P4_9.7	T11-b9.7	TTTTTTTTTTTTTTACGTTAGT	
P4_9.8	T11-b9.8	TTTTTTTTTTTTTTAGTTAGTAT	
P4_9.9	T11-b9.9	TTTTTTTTTTTTTTGGGATTACT	
P4_9.10	T11-b9.10	TTTTTTTTTTTTTTGGCTACCTT	
P4_9.11	T11-b9.11	TTTTTTTTTTTTTTAACTGCAAT	
P4_9.12	T11-b9.12	TTTTTTTTTTTTTTATCGGCGT	
P4_9.13	T11-b9.13	TTTTTTTTTTTTTTATCGTTTAT	
P4_9.14	T11-b9.14	TTTTTTTTTTTTTTGGAGACCGT	

Seq_ID	Domains	Sequence	Note
P4_10.1	T10-b10.1	TTTTTTTTTTTTAGTGCAAAAT	
P4_10.2	T10-b10.2	TTTTTTTTTTTTTAGGCAAAAT	
P4_10.3	T10-b10.3	TTTTTTTTTTTTTCAGTAGGTTT	
P4_10.4	T10-b10.4	TTTTTTTTTTTTTGGTCATCACT	
P4_10.5	T10-b10.5	TTTTTTTTTTTTTCTGATTAT	
P4_10.6	T10-b10.6	TTTTTTTTTTTTTACTAGGGTT	
P4_10.7	T10-b10.7	TTTTTTTTTTTTTCAGGGCTCGT	
P4_10.8	T10-b10.8	TTTTTTTTTTTTTACGCCCACT	
P4_10.9	T10-b10.9	TTTTTTTTTTTTTAGACGAGTAT	
P4_10.10	T10-b10.10	TTTTTTTTTTTTTGTATCGGCT	
P4_10.11	T10-b10.11	TTTTTTTTTTTTTGTAAAGCAAAT	
P4_10.12	T10-b10.12	TTTTTTTTTTTTTGTAAAGCGCT	
P4_10.13	T10-b10.13	TTTTTTTTTTTTTCGAGATGTGT	
P4_10.14	T10-b10.14	TTTTTTTTTTTTTATAATATTGT	
P4_11.1	T11-b11.1	TTTTTTTTTTTTTTGACCAAGT	
P4_11.2	T11-b11.2	TTTTTTTTTTTTTCCACCTCCT	
P4_11.3	T11-b11.3	TTTTTTTTTTTTTGTCCAGGT	
P4_11.4	T11-b11.4	TTTTTTTTTTTTTGCATGCGAT	
P4_11.5	T11-b11.5	TTTTTTTTTTTTTAGCCCTCGT	
P4_11.6	T11-b11.6	TTTTTTTTTTTTTTACACTAAAT	
P4_11.7	T11-b11.7	TTTTTTTTTTTTTCTGCCTTT	
P4_11.8	T11-b11.8	TTTTTTTTTTTTTCACTTGATT	
P4_11.9	T11-b11.9	TTTTTTTTTTTTTCAACGTCCT	
P4_11.10	T11-b11.10	TTTTTTTTTTTTTACAGGCACT	
P4_11.11	T11-b11.11	TTTTTTTTTTTTTGGACATCTT	
P4_11.12	T11-b11.12	TTTTTTTTTTTTTTATGACTAT	
P4_11.13	T11-b11.13	TTTTTTTTTTTTTTAATGCTGAT	
P4_11.14	T11-b11.14	TTTTTTTTTTTTTGGCGTAACT	
P4_12.1	T10-b12.1	TTTTTTTTTTTTTCTGTGCATAT	
P4_12.2	T10-b12.2	TTTTTTTTTTTTTCTGACCGTGT	
P4_12.3	T10-b12.3	TTTTTTTTTTTTTGTATTATAGAT	
P4_12.4	T10-b12.4	TTTTTTTTTTTTTCATTAGGAGT	
P4_12.5	T10-b12.5	TTTTTTTTTTTTTGTACCCAGT	
P4_12.6	T10-b12.6	TTTTTTTTTTTTTGTAGCTGGT	
P4_12.7	T10-b12.7	TTTTTTTTTTTTTCACTCGGAAAT	
P4_12.8	T10-b12.8	TTTTTTTTTTTTTGGGCGGGT	
P4_12.9	T10-b12.9	TTTTTTTTTTTTTATAACTACT	
P4_12.10	T10-b12.10	TTTTTTTTTTTTTCCGGATTCAAT	
P4_12.11	T10-b12.11	TTTTTTTTTTTTTCTGGCTGTAT	
P4_12.12	T10-b12.12	TTTTTTTTTTTTTCGTCGAGTGT	
P4_12.13	T10-b12.13	TTTTTTTTTTTTTCGAGAATCGT	
P4_12.14	T10-b12.14	TTTTTTTTTTTTTGATCGTCCGT	
P4_13.1	T11-b13.1	TTTTTTTTTTTTTCTGCAGGAT	
P4_13.2	T11-b13.2	TTTTTTTTTTTTTACGATGAGT	
P4_13.3	T11-b13.3	TTTTTTTTTTTTTCCCTCAAAT	
P4_13.4	T11-b13.4	TTTTTTTTTTTTTCCAGGGGT	
P4_13.5	T11-b13.5	TTTTTTTTTTTTTCCCAAACCTT	
P4_13.6	T11-b13.6	TTTTTTTTTTTTTCTACCCCTTT	
P4_13.7	T11-b13.7	TTTTTTTTTTTTTGTTAGGTT	
P4_13.8	T11-b13.8	TTTTTTTTTTTTTGGACACCAT	
P4_13.9	T11-b13.9	TTTTTTTTTTTTTGCATTCGCT	
P4_13.10	T11-b13.10	TTTTTTTTTTTTTGTATCTCCAT	
P4_13.11	T11-b13.11	TTTTTTTTTTTTTACCCTTAT	
P4_13.12	T11-b13.12	TTTTTTTTTTTTTAAAGATGTT	
P4_13.13	T11-b13.13	TTTTTTTTTTTTTCTGTCTGT	
P4_13.14	T11-b13.14	TTTTTTTTTTTTTCCCGACAGT	
P4_14.1	T10-b14.1	TTTTTTTTTTTTTGTACTTGAT	
P4_14.2	T10-b14.2	TTTTTTTTTTTTTGTATATGCT	
P4_14.3	T10-b14.3	TTTTTTTTTTTTTCCAGGCCTT	
P4_14.4	T10-b14.4	TTTTTTTTTTTTTGTGTAACGT	
P4_14.5	T10-b14.5	TTTTTTTTTTTTTGGCGCTATT	
P4_14.6	T10-b14.6	TTTTTTTTTTTTTCCAACCGCTT	
P4_14.7	T10-b14.7	TTTTTTTTTTTTTGGCACGTCAAT	

Seq_ID	Domains	Sequence	Note
P4_14.8	T10-b14.8	TTTTTTTTTTTTGCGTCGTTGT	
P4_14.9	T10-b14.9	TTTTTTTTTTTTAACAGTGTCT	
P4_14.10	T10-b14.10	TTTTTTTTTTTTTACTGGTGT	
P4_14.11	T10-b14.11	TTTTTTTTTTTTTACGAATCGCT	
P4_14.12	T10-b14.12	TTTTTTTTTTTTTAATCTTTGTT	
P4_14.13	T10-b14.13	TTTTTTTTTTTTTGTTCATCGT	
P4_14.14	T10-b14.14	TTTTTTTTTTTTTAACCTAACF	
P4_15.1	T11-b15.1	TTTTTTTTTTTTTATGCGAT	
P4_15.2	T11-b15.2	TTTTTTTTTTTTTACGCGCAGT	
P4_15.3	T11-b15.3	TTTTTTTTTTTTTTCAAATAT	
P4_15.4	T11-b15.4	TTTTTTTTTTTTTGCACCGGTT	
P4_15.5	T11-b15.5	TTTTTTTTTTTTTTCCTACGTTT	
P4_15.6	T11-b15.6	TTTTTTTTTTTTTGGAGTCTTT	
P4_15.7	T11-b15.7	TTTTTTTTTTTTTGTGCTTAT	
P4_15.8	T11-b15.8	TTTTTTTTTTTTTGGAGATTCT	
P4_15.9	T11-b15.9	TTTTTTTTTTTTTCGCGCCATF	
P4_15.10	T11-b15.10	TTTTTTTTTTTTTAAAGTAAAT	
P4_15.11	T11-b15.11	TTTTTTTTTTTTTCGTTCCTCT	
P4_15.12	T11-b15.12	TTTTTTTTTTTTTAAATTCGCGT	
P4_15.13	T11-b15.13	TTTTTTTTTTTTTAGTAGCGGT	
P4_15.14	T11-b15.14	TTTTTTTTTTTTTAAACAGCTT	
P4_16.1	T10-b16.1	TTTTTTTTTTTTTGGCCCATCAT	
P4_16.2	T10-b16.2	TTTTTTTTTTTTTATTCGTATF	
P4_16.3	T10-b16.3	TTTTTTTTTTTTTCTTCTTTAT	
P4_16.4	T10-b16.4	TTTTTTTTTTTTTAAAGGAGTCT	
P4_16.5	T10-b16.5	TTTTTTTTTTTTTCCGCTCGCT	
P4_16.6	T10-b16.6	TTTTTTTTTTTTTGATCCCGAT	
P4_16.7	T10-b16.7	TTTTTTTTTTTTTCCATCCATF	
P4_16.8	T10-b16.8	TTTTTTTTTTTTTCACFTCTGGF	
P4_16.9	T10-b16.9	TTTTTTTTTTTTTCCATCCGTAT	
P4_16.10	T10-b16.10	TTTTTTTTTTTTTAAACCGCGTT	
P4_16.11	T10-b16.11	TTTTTTTTTTTTTCCGCGGGAT	
P4_16.12	T10-b16.12	TTTTTTTTTTTTTGCATTACGT	
P4_16.13	T10-b16.13	TTTTTTTTTTTTTAAAGTGCCTCT	
P4_16.14	T10-b16.14	TTTTTTTTTTTTTCAACGCTTGT	
P4_17.1	T11-b17.1	TTTTTTTTTTTTTAGACGGGTT	
P4_17.2	T11-b17.2	TTTTTTTTTTTTTCCAGAAAGT	
P4_17.3	T11-b17.3	TTTTTTTTTTTTTCCAATTCAT	
P4_17.4	T11-b17.4	TTTTTTTTTTTTTTGTTTAGT	
P4_17.5	T11-b17.5	TTTTTTTTTTTTTGGGCCCGGT	
P4_17.6	T11-b17.6	TTTTTTTTTTTTTATGTTTCAGT	
P4_17.7	T11-b17.7	TTTTTTTTTTTTTGGCCACCT	
P4_17.8	T11-b17.8	TTTTTTTTTTTTTCCGGAACGAT	
P4_17.9	T11-b17.9	TTTTTTTTTTTTTGCTCGAGGT	
P4_17.10	T11-b17.10	TTTTTTTTTTTTTGCTCCTCGT	
P4_17.11	T11-b17.11	TTTTTTTTTTTTTGTAAATAT	
P4_17.12	T11-b17.12	TTTTTTTTTTTTTATGCTCATF	
P4_17.13	T11-b17.13	TTTTTTTTTTTTTTCGCGTAAAT	
P4_17.14	T11-b17.14	TTTTTTTTTTTTTAGATGTCAT	
P4_18.1	T10-b18.1	TTTTTTTTTTTTTCCAGACTAT	
P4_18.2	T10-b18.2	TTTTTTTTTTTTTGCTGGGCCGT	
P4_18.3	T10-b18.3	TTTTTTTTTTTTTTCFGCCAAT	
P4_18.4	T10-b18.4	TTTTTTTTTTTTTGTTCAGAGTTT	
P4_18.5	T10-b18.5	TTTTTTTTTTTTTGACCGATCGF	
P4_18.6	T10-b18.6	TTTTTTTTTTTTTAAAGCGTGGT	
P4_18.7	T10-b18.7	TTTTTTTTTTTTTACCATGTCT	
P4_18.8	T10-b18.8	TTTTTTTTTTTTTGGTGGTAAAT	
P4_18.9	T10-b18.9	TTTTTTTTTTTTTATGCCTTGGT	
P4_18.10	T10-b18.10	TTTTTTTTTTTTTAGTGTTCGCT	
P4_18.11	T10-b18.11	TTTTTTTTTTTTTCGCACAAAGT	
P4_18.12	T10-b18.12	TTTTTTTTTTTTTAAAGTCCATAT	
P4_18.13	T10-b18.13	TTTTTTTTTTTTTGACTGTCTAT	
P4_18.14	T10-b18.14	TTTTTTTTTTTTTCGTAAACTAT	

Seq_ID	Domains	Sequence	Note
P4_19.1	T11-b19.1	TTTTTTTTTTTTCAAACGAAT	
P4_19.2	T11-b19.2	TTTTTTTTTTTTTAGGCGGCT	
P4_19.3	T11-b19.3	TTTTTTTTTTTTTATGTAAAT	
P4_19.4	T11-b19.4	TTTTTTTTTTTTTATAGGGAT	
P4_19.5	T11-b19.5	TTTTTTTTTTTTTCACAATCCT	
P4_19.6	T11-b19.6	TTTTTTTTTTTTTATGTCCTT	
P4_19.7	T11-b19.7	TTTTTTTTTTTTTATATAATTT	
P4_19.8	T11-b19.8	TTTTTTTTTTTTTAGAACAACT	
P4_19.9	T11-b19.9	TTTTTTTTTTTTTCTTAGGCT	
P4_19.10	T11-b19.10	TTTTTTTTTTTTTGTTGGTTAGT	
P4_19.11	T11-b19.11	TTTTTTTTTTTTTAAAGCAGAT	
P4_19.12	T11-b19.12	TTTTTTTTTTTTTGGGCTCGAT	
P4_19.13	T11-b19.13	TTTTTTTTTTTTTCCACATAT	
P4_19.14	T11-b19.14	TTTTTTTTTTTTTCGGCCTAT	
P4_20.1	T10-b20.1	TTTTTTTTTTTTTACCTTGCTT	
P4_20.2	T10-b20.2	TTTTTTTTTTTTTGGCGCTAAT	
P4_20.3	T10-b20.3	TTTTTTTTTTTTTAGCTGCATGT	
P4_20.4	T10-b20.4	TTTTTTTTTTTTTGTAAATCCTT	
P4_20.5	T10-b20.5	TTTTTTTTTTTTTGTAAAGTCTT	
P4_20.6	T10-b20.6	TTTTTTTTTTTTTGGTAGTAGGT	
P4_20.7	T10-b20.7	TTTTTTTTTTTTTACAATTAGAT	
P4_20.8	T10-b20.8	TTTTTTTTTTTTTAGGCACGGCT	
P4_20.9	T10-b20.9	TTTTTTTTTTTTTACGAACCTT	
P4_20.10	T10-b20.10	TTTTTTTTTTTTTCACCCATTGT	
P4_20.11	T10-b20.11	TTTTTTTTTTTTTCAAGATTAT	
P4_20.12	T10-b20.12	TTTTTTTTTTTTTCCAGAGTGCT	
P4_20.13	T10-b20.13	TTTTTTTTTTTTTGAGCTGTGTT	
P4_20.14	T10-b20.14	TTTTTTTTTTTTTGATCTGGGT	
P4_21.1	T11-b21.1	TTTTTTTTTTTTTCCTAACGAT	
P4_21.2	T11-b21.2	TTTTTTTTTTTTTGCAAGACCT	
P4_21.3	T11-b21.3	TTTTTTTTTTTTTTGGAAATT	
P4_21.4	T11-b21.4	TTTTTTTTTTTTTAAATTTAGAT	
P4_21.5	T11-b21.5	TTTTTTTTTTTTTTATCCAAT	
P4_21.6	T11-b21.6	TTTTTTTTTTTTTCCATACCTT	
P4_21.7	T11-b21.7	TTTTTTTTTTTTTAAAGGTCCT	
P4_21.8	T11-b21.8	TTTTTTTTTTTTTACCGAACCT	
P4_21.9	T11-b21.9	TTTTTTTTTTTTTATGGCAAAT	
P4_21.10	T11-b21.10	TTTTTTTTTTTTTCACAGGCCCT	
P4_21.11	T11-b21.11	TTTTTTTTTTTTTCTGGTGTTF	
P4_21.12	T11-b21.12	TTTTTTTTTTTTTTAAACAAGT	
P4_21.13	T11-b21.13	TTTTTTTTTTTTTATCTCAGGT	
P4_21.14	T11-b21.14	TTTTTTTTTTTTTACGGAACAT	
P4_22.1	T10-b22.1	TTTTTTTTTTTTTGTGTTGTGTT	
P4_22.2	T10-b22.2	TTTTTTTTTTTTTACATTGAGGT	
P4_22.3	T10-b22.3	TTTTTTTTTTTTTCCATGATTGT	
P4_22.4	T10-b22.4	TTTTTTTTTTTTTGCTCACGAGT	
P4_22.5	T10-b22.5	TTTTTTTTTTTTTGCCGATAGTT	
P4_22.6	T10-b22.6	TTTTTTTTTTTTTGTATCAGGTT	
P4_22.7	T10-b22.7	TTTTTTTTTTTTTCTAATTCGT	
P4_22.8	T10-b22.8	TTTTTTTTTTTTTCTCAACAAT	
P4_22.9	T10-b22.9	TTTTTTTTTTTTTCCGGTCTAT	
P4_22.10	T10-b22.10	TTTTTTTTTTTTTCGAGTCCGT	
P4_22.11	T10-b22.11	TTTTTTTTTTTTTCACAAAGCGT	
P4_22.12	T10-b22.12	TTTTTTTTTTTTTAAAGGCGCT	
P4_22.13	T10-b22.13	TTTTTTTTTTTTTGTATGCCACT	
P4_22.14	T10-b22.14	TTTTTTTTTTTTTGCCCTCATT	
P4_23.1	T11-b23.1	TTTTTTTTTTTTTTGCTAACTT	
P4_23.2	T11-b23.2	TTTTTTTTTTTTTTCAGACGCT	
P4_23.3	T11-b23.3	TTTTTTTTTTTTTCCGTTTATT	
P4_23.4	T11-b23.4	TTTTTTTTTTTTTATGGTCTAT	
P4_23.5	T11-b23.5	TTTTTTTTTTTTTTCGGTAGACT	
P4_23.6	T11-b23.6	TTTTTTTTTTTTTTTATGCTAT	
P4_23.7	T11-b23.7	TTTTTTTTTTTTTTTAGACAGT	

Seq_ID	Domains	Sequence	Note
P4_23.8	T11-b23.8	TTTTTTTTTTTTGGGCTGCGT	
P4_23.9	T11-b23.9	TTTTTTTTTTTTACGCACGTT	
P4_23.10	T11-b23.10	TTTTTTTTTTTTTGACTCGTT	
P4_23.11	T11-b23.11	TTTTTTTTTTTTGGGCACTTT	
P4_23.12	T11-b23.12	TTTTTTTTTTTTTATACATAGT	
P4_23.13	T11-b23.13	TTTTTTTTTTTTTGATTTGGT	
P4_23.14	T11-b23.14	TTTTTTTTTTTTTCTATACTT	
P4_24.1	T10-b24.1	TTTTTTTTTTTTTCTAGTATGTAT	
P4_24.2	T10-b24.2	TTTTTTTTTTTTTAGTATAAT	
P4_24.3	T10-b24.3	TTTTTTTTTTTTTACAAGACCC	
P4_24.4	T10-b24.4	TTTTTTTTTTTTTATTGCGAGT	
P4_24.5	T10-b24.5	TTTTTTTTTTTTTCGTAACAATT	
P4_24.6	T10-b24.6	TTTTTTTTTTTTTCTGGGTAGCT	
P4_24.7	T10-b24.7	TTTTTTTTTTTTTAGCAAACGT	
P4_24.8	T10-b24.8	TTTTTTTTTTTTTAGTGCGACGT	
P4_24.9	T10-b24.9	TTTTTTTTTTTTTCGACCTCGGT	
P4_24.10	T10-b24.10	TTTTTTTTTTTTTCTATTCGGTT	
P4_24.11	T10-b24.11	TTTTTTTTTTTTTACGGGCTCT	
P4_24.12	T10-b24.12	TTTTTTTTTTTTTGTTCCGACCT	
P4_24.13	T10-b24.13	TTTTTTTTTTTTTAAGTAGTCAT	
P4_24.14	T10-b24.14	TTTTTTTTTTTTTGTAAGAGTAT	

Seq_ID	Domains	Sequence
D_2.13	a2.13-b2.13-a1.13*-T10	CAGCGGACTCTAGTGGGCTATGGGATGTCGCCGTTTTTTTTTTT
D_3.12	a3.12-b3.12-a2.13*-T11	CATCTTAGGGCTGCTGTGTATGAGTCCGCTGTTTTTTTTTTTT
D_4.12	a4.12-b4.12-a3.12*-T10	CACTTTATTCATGAGTTAATGCCCTAAGATGTTTTTTTTTTTT
D_5.11	a5.11-b5.11-a4.12*-T11	CCCTAACCCCTTTAGGTACTGAATAAAGTGTTTTTTTTTTTTT
D_6.11	a6.11-b6.11-a5.11*-T10	CGGTGGCCGCTACAACCAATTGAGGGTTAGGGTTTTTTTTTTTT
D_7.10	a7.10-b7.10-a6.11*-T11	CATGAGTGAAGTGTAGGTCTGCGGCCACCGTTTTTTTTTTTT
D_8.10	a8.10-b8.10-a7.10*-T10	CAATACTTCCACACCTATCTGTTCACTCATGTTTTTTTTTTTT
D_9.9	a9.9-b9.9-a8.10*-T11	CGGTCTTTAACTGGGATTACTGGAAGTATTGTTTTTTTTTTTT
D_10.9	a10.9-b10.9-a9.9*-T10	CGAATTAACCTAGACGAGTATGTTAAAGACCGTTTTTTTTTTTT
D_11.8	a11.8-b11.8-a10.9*-T11	CAATAGCCATCTCACTTGATGTTTTAATTCGTTTTTTTTTTTT
D_12.8	a12.8-b12.8-a11.8*-T10	CATCGGTACCTTTGGGCGGTGATGGCTATTGTTTTTTTTTTTT
D_13.7	a13.7-b13.7-a12.8*-T11	CTTCATCGACCTGTTTAGGTTGGTACCGATGTTTTTTTTTTTT
D_14.7	a14.7-b14.7-a13.7*-T10	CTGGGACGACTGGCACGTCAATGGTGCATGAAGTTTTTTTTTTTT
D_15.6	a15.6-b15.6-a14.7*-T11	CATGTCCCAACTGGAGTCTTTGTGTCGCCAGTTTTTTTTTTTT
D_16.6	a16.6-b16.6-a15.6*-T10	CCTGAAGTTCCTTGATCCCAGTGTGGGACATGTTTTTTTTTTTT
D_17.5	a17.5-b17.5-a16.6*-T11	CACCTAGAGTCTGGGCCCGGTGAACCTCAGGTTTTTTTTTTTT
D_18.5	a18.5-b18.5-a17.5*-T10	CTAACCTGCCGACCGATCGTGACTCTAAGTGTTTTTTTTTTTTT
D_19.4	a19.4-b19.4-a18.5*-T11	CTACGTGGAGCTATTAGGGATGGCAGGTTAGTTTTTTTTTTTT
D_20.4	a20.4-b20.4-a19.4*-T10	CTAAGCCTTCTGTTAATTCCTGCTCCACGTAGTTTTTTTTTTTT
D_21.3	a21.3-b21.3-a20.4*-T11	CTTGGGACGGCTTTGGAAATFGAAGGCTTAGTTTTTTTTTTTT
D_22.3	a22.3-b22.3-a21.3*-T10	CGGAAGTGCCCTCCATGATTGTGCCGTCCCAAGTTTTTTTTTTTT
D_23.2	a23.2-b23.2-a22.3*-T11	CAAGACTATACTCAGGACGCTGGCACTCCGTTTTTTTTTTTT
D_24.2	a24.2-b24.2-a23.2*-T10	CTGTATCGGCCTTAGTATAATGATAGTCTGTTTTTTTTTTTT
D_25.1	a24.2*-b24.1*-T11	GCCGATACAGTTTTTTTTTTTT

Strand Lists for SA-SE

SA

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8
R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3
R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13
R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9
R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.4
R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14
R_10.1	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10
R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2
R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8
R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4
R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14
R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9
R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15
R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6
R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.1
R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7
R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2
R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12
R_25.13	R_25.14								

SB

R_1.13	R_1.14	R_2.13	R_2.14	R_2.15	R_3.12	R_3.13	R_3.14	R_4.12	R_4.13
R_4.14	R_4.15	R_5.11	R_5.12	R_5.13	R_5.14	R_6.11	R_6.12	R_6.13	R_6.14
R_6.15	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.10	R_8.11	R_8.12	R_8.13
R_8.14	R_8.15	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.9	R_10.10
R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12
R_11.13	R_11.14	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.7	R_14.8
R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.6	R_15.7	R_15.8
R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.6	R_16.7	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.5	R_17.6	R_17.7	R_17.8
R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.5	R_18.6	R_18.7	R_18.8
R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.4	R_19.5	R_19.6
R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15
R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12
R_21.13	R_21.14	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10
R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.2	R_24.3
R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13
R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P4_1.12	P4_2.12	P4_3.11	P4_4.11
P4_5.10	P4_6.10	P4_7.9	P4_8.9	P4_9.8	P4_10.8	P4_11.7	P4_12.7	P4_13.6	P4_14.6
P4_15.5	P4_16.5	P4_17.4	P4_18.4	P4_19.3	P4_20.3	P4_21.2	P4_22.2	P4_23.1	P4_24.1

SC

R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_1.12	R_1.13	R_1.14	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13	R_3.14	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_5.14	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12
R_6.13	R_6.14	R_6.15	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7
R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_8.15	R_9.2	R_9.3
R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13
R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10
R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_14.15	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7
R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.3	R_17.4
R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14
R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13
R_18.14	R_18.15	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11
R_19.12	R_19.13	R_19.14	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11
R_20.12	R_20.13	R_20.14	R_20.15	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_21.11	R_21.12	R_21.13	R_21.14	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11
R_22.12	R_22.13	R_22.14	R_22.15	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_23.12	R_23.13	R_23.14	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13
R_24.14	R_24.15	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14
PI_14.1	PI_15.1	PI_16.2	PI_17.2	PI_18.3	PI_19.3	PI_20.4	PI_21.4	PI_22.5	PI_23.5
PI_24.6	PI_25.6	P4_1.5	P4_2.5	P4_3.4	P4_4.4	P4_5.3	P4_6.3	P4_7.2	P4_8.2
P4_9.1	P4_10.1								

SD

R_1.4	R_1.5	R_1.10	R_1.11	R_2.4	R_2.5	R_2.6	R_2.10	R_2.11	R_2.12
R_3.3	R_3.4	R_3.5	R_3.6	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4
R_4.5	R_4.6	R_4.7	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13
R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8
R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4
R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5
R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15
R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10
R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.2	R_15.3	R_15.4
R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_16.3
R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12
R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_19.4
R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_20.5	R_20.6	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_23.6	R_23.7	R_23.8	R_23.9	R_24.7
R_24.8	R_24.9	R_25.7	R_25.8	PI_14.1	PI_15.1	PI_16.2	PI_17.2	PI_18.3	PI_19.3
PI_20.4	PI_21.4	PI_22.5	PI_23.5	PI_24.6	PI_25.6	P2_14.15	P2_15.14	P2_16.14	P2_17.13
P2_18.13	P2_19.12	P2_20.12	P2_21.11	P2_22.11	P2_23.10	P2_24.10	P2_25.9	P3_1.6	P3_1.12
P3_2.7	P3_2.13	P3_3.7	P3_3.13	P3_4.8	P3_4.14	P3_5.14	P3_6.15	P4_1.3	P4_1.9
P4_2.3	P4_2.9	P4_3.2	P4_3.8	P4_4.2	P4_4.8	P4_5.1	P4_6.1		

SE

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1

Strand Lists for S1-S100

S1

R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.11
R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7
R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6
R_9.7	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6
R_10.7	R_10.8	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.5
R_11.6	R_11.7	R_11.8	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4
R_12.6	R_12.7	R_12.8	R_12.9	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2
R_14.3	R_14.4	R_14.7	R_14.8	R_14.9	R_14.10	R_14.12	R_14.13	R_14.14	R_14.15
R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.9	R_15.10	R_15.12	R_15.13	R_15.14
R_16.1	R_16.2	R_16.3	R_16.4	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12
R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.9	R_18.10	R_18.11	R_18.12
R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.9	R_19.10	R_19.11
R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8
R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4
R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4
R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.4	R_25.5
R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	PI_7.7	PI_7.8	PI_7.9	PI_7.10
PI_8.11	PI_9.11	PI_11.4	PI_11.11	PI_12.5	PI_13.5	PI_13.11	PI_14.6	PI_15.6	PI_15.11
PI_16.7	PI_17.7	PI_18.8	PI_19.8	PI_20.1	PI_21.1	PI_22.2	PI_23.2	PI_24.3	PI_25.3
P2_7.7	P2_7.8	P2_7.9	P2_7.10	P2_11.4	P2_13.4	P2_15.4	P2_17.4	P2_20.15	P2_21.14
P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_6.15
P3_7.7	P3_8.8	P3_9.8	P3_10.9	P3_11.4	P3_11.9	P3_12.10	P3_13.4	P3_13.10	P3_14.11
P3_15.4	P3_15.11	P3_17.4	P3_18.5	P3_19.5	P3_19.6	P3_19.7	P3_19.8	P4_1.3	P4_2.3
P4_3.2	P4_4.2	P4_5.1	P4_6.1	P4_9.11	P4_11.11	P4_13.11	P4_15.11	P4_19.5	P4_19.6
P4_19.7	P4_19.8								

S2

R_1.13	R_1.14	R_2.13	R_2.14	R_2.15	R_3.13	R_3.14	R_4.13	R_4.14	R_4.15
R_5.13	R_5.14	R_6.13	R_6.14	R_6.15	R_7.13	R_7.14	R_8.13	R_8.14	R_8.15
R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8
R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3
R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14
R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11
R_14.12	R_14.13	R_14.14	R_14.15	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_15.14	R_16.3	R_16.4
R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.12	R_16.13	R_16.14
R_17.3	R_17.4	R_17.5	R_17.12	R_17.13	R_17.14	R_18.4	R_18.5	R_18.13	R_18.14
R_18.15	R_19.4	R_19.5	R_19.13	R_19.14	R_20.4	R_20.5	R_20.13	R_20.14	R_20.15
R_21.13	R_21.14	R_22.13	R_22.14	R_22.15	R_23.13	R_23.14	R_24.13	R_24.14	R_24.15
R_25.13	R_25.14	PI_3.12	PI_5.12	PI_7.12	PI_14.1	PI_15.1	PI_16.2	PI_17.2	PI_17.6
PI_17.7	PI_17.8	PI_17.9	PI_17.10	PI_17.11	PI_18.3	PI_18.12	PI_19.3	PI_19.12	PI_21.3
PI_21.4	PI_21.12	PI_23.12	PI_25.12	P2_17.6	P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.11
P2_18.6	P2_20.6	P2_21.4	P2_21.5	P3_9.2	P3_9.3	P3_9.4	P3_9.5	P3_9.6	P3_9.7
P3_9.8	P3_9.9	P3_9.10	P3_9.11	P3_18.6	P4_1.12	P4_3.12	P4_5.12	P4_7.12	P4_8.12
P4_9.1	P4_9.2	P4_9.3	P4_9.4	P4_9.5	P4_9.6	P4_9.7	P4_9.8	P4_9.9	P4_9.10
P4_9.11	P4_10.1	P4_19.3	P4_19.12	P4_21.12	P4_23.12				

S3

R_1.11	R_1.12	R_1.13	R_1.14	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.3
R_3.4	R_3.5	R_3.11	R_3.12	R_3.13	R_3.14	R_4.3	R_4.4	R_4.5	R_4.6
R_4.12	R_4.13	R_4.14	R_4.15	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.12

R_5.13	R_5.14	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.13	R_6.14
R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.12	R_7.13
R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.13
R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.5	R_9.6	R_9.7	R_9.8	R_9.12
R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.6	R_10.7	R_10.8	R_10.9	R_10.13
R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_12.10	R_12.13
R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.7	R_13.8	R_13.9	R_13.10	R_13.12
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.8	R_15.9	R_15.10	R_15.11
R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.9	R_16.10	R_16.11
R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.4	R_17.9	R_17.10
R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.10
R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.10
R_19.11	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.11	R_20.12
R_20.13	R_20.14	R_20.15	R_21.2	R_21.3	R_21.4	R_21.11	R_21.12	R_21.13	R_21.14
R_22.12	R_22.13	R_22.14	R_22.15	R_23.12	R_23.13	R_23.14	R_24.12	R_24.13	R_24.14
R_24.15	R_25.12	R_25.13	R_25.14	P1_3.10	P1_4.11	P1_5.11	P1_6.12	P1_8.12	P1_9.4
P1_10.5	P1_10.12	P1_11.5	P1_12.6	P1_12.12	P1_13.6	P1_14.7	P1_15.7	P1_16.8	P1_17.8
P1_18.9	P1_19.9	P1_20.1	P1_20.10	P1_21.1	P1_21.10	P1_22.2	P1_22.3	P1_22.4	P1_22.11
P1_23.11	P1_25.11	P2_9.4	P2_10.4	P2_12.4	P2_14.4	P2_19.5	P2_21.5	P2_22.3	P2_22.4
P2_22.5	P3_2.4	P3_2.5	P3_2.6	P3_3.6	P3_4.7	P3_5.7	P3_6.8	P3_7.8	P3_8.9
P3_9.9	P3_10.4	P3_10.10	P3_11.10	P3_12.4	P3_12.11	P3_13.11	P3_14.4	P3_15.4	P3_16.5
P3_17.5	P3_19.5	P4_1.10	P4_2.3	P4_2.4	P4_2.5	P4_3.2	P4_4.2	P4_5.1	P4_6.1
P4_6.12	P4_8.12	P4_10.12	P4_12.12	P4_13.11	P4_23.11				

S4

R_1.4	R_1.5	R_1.10	R_1.11	R_2.4	R_2.5	R_2.6	R_2.10	R_2.11	R_2.12
R_3.3	R_3.4	R_3.5	R_3.6	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4
R_4.5	R_4.6	R_4.7	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.12	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8	R_9.9	R_9.12	R_9.13	R_9.14
R_10.1	R_10.2	R_10.3	R_10.4	R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.7	R_12.8	R_12.9	R_12.12	R_12.13
R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.7	R_14.8	R_14.9	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.12	R_15.13
R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.8	R_16.12	R_16.13	R_16.14	R_16.15
R_17.1	R_17.2	R_17.3	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.12
R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.12	R_19.13	R_19.14
R_20.2	R_20.3	R_20.4	R_20.5	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4
R_21.5	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.3	R_22.4	R_22.5	R_22.6
R_22.11	R_22.12	R_22.13	R_22.14	R_23.2	R_23.3	R_23.4	R_23.5	R_23.10	R_23.11
R_23.12	R_23.13	R_24.3	R_24.4	R_24.5	R_24.6	R_24.11	R_24.12	R_24.13	R_25.3
R_25.4	R_25.5	R_25.11	R_25.12	P1_8.5	P1_8.11	P1_9.5	P1_9.11	P1_10.6	P1_11.11
P1_12.6	P1_13.11	P1_14.6	P1_15.6	P1_15.11	P1_16.7	P1_17.7	P1_17.11	P1_18.1	P1_19.11
P1_20.1	P1_21.1	P1_22.2	P1_22.10	P1_24.2	P1_24.10	P1_25.2	P1_25.10	P2_8.5	P2_8.11
P2_9.4	P2_9.10	P2_10.10	P2_11.4	P2_12.10	P2_13.4	P2_14.10	P2_15.4	P2_15.9	P2_16.9
P2_17.4	P2_17.8	P2_20.15	P2_22.15	P2_23.6	P2_23.14	P2_24.14	P2_25.6	P2_25.13	P3_1.6
P3_1.12	P3_2.7	P3_2.13	P3_3.7	P3_3.13	P3_4.8	P3_4.14	P3_5.14	P3_6.15	P3_9.4
P3_10.10	P3_11.4	P3_12.10	P3_13.4	P3_15.4	P3_17.4	P3_18.5	P3_19.5	P3_20.6	P3_20.11
P3_20.15	P3_21.6	P3_23.6	P4_1.3	P4_1.9	P4_2.3	P4_2.9	P4_3.2	P4_3.8	P4_4.2
P4_4.8	P4_5.1	P4_6.1	P4_9.11	P4_10.6	P4_11.11	P4_12.6	P4_13.11	P4_15.11	P4_17.11
P4_18.1	P4_19.11	P4_20.10	P4_20.11	P4_22.2	P4_22.10				

S5

R_1.9	R_1.10	R_1.11	R_2.9	R_2.10	R_2.11	R_3.9	R_3.10	R_3.11	R_4.9
R_4.10	R_4.11	R_4.15	R_5.9	R_5.10	R_5.11	R_5.14	R_6.9	R_6.10	R_6.11
R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8
R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4
R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14
R_8.15	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9
R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4	R_10.5

R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10
R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.9	R_12.10
R_12.11	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.9	R_13.10	R_13.11
R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.9	R_14.10	R_14.11	R_14.15	R_15.2
R_15.3	R_15.4	R_15.5	R_15.9	R_15.10	R_15.11	R_16.3	R_16.4	R_16.5	R_16.6
R_16.9	R_16.10	R_16.11	R_17.3	R_17.4	R_17.5	R_17.6	R_17.9	R_17.10	R_17.11
R_18.4	R_18.5	R_18.6	R_18.7	R_18.9	R_18.10	R_18.11	R_19.4	R_19.5	R_19.6
R_19.7	R_19.9	R_19.10	R_19.11	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10
R_20.11	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_22.6	R_22.7
R_22.8	R_22.9	R_22.10	R_22.11	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11
P1_3.8	P1_5.8	P1_12.5	P1_12.6	P1_12.7	P1_12.8	P1_12.12	P1_12.13	P1_13.8	P1_13.13
P1_14.1	P1_14.14	P1_15.1	P1_15.8	P1_15.14	P1_16.2	P1_17.2	P1_17.8	P1_18.3	P1_19.3
P1_19.8	P1_20.4	P1_21.4	P1_22.5	P1_23.5	P1_24.6	P1_25.6	P2_2.12	P2_4.12	P2_6.12
P2_12.5	P2_12.6	P2_12.7	P2_12.8	P2_12.12	P2_12.13	P2_14.12	P2_16.12	P2_18.12	P2_20.12
P2_22.12	P2_24.12	P3_2.12	P3_4.12	P3_6.2	P3_6.3	P3_6.4	P3_6.5	P3_6.6	P3_6.7
P3_6.8	P3_6.12	P3_6.13	P3_12.5	P3_12.12	P3_13.5	P3_14.6	P3_14.12	P3_15.6	P3_16.7
P3_16.12	P3_17.7	P3_18.8	P3_18.12	P3_19.8	P3_20.12	P3_22.12	P3_24.12	P4_1.8	P4_3.8
P4_3.14	P4_4.14	P4_5.8	P4_5.13	P4_6.1	P4_6.2	P4_6.3	P4_6.4	P4_6.5	P4_6.6
P4_6.7	P4_6.8	P4_6.12	P4_6.13	P4_13.8	P4_15.8	P4_17.8	P4_19.8		

S6

R_1.1	R_1.2	R_1.3	R_1.4	R_1.8	R_1.9	R_1.10	R_1.11	R_2.1	R_2.2
R_2.3	R_2.4	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.1	R_3.2	R_3.3
R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.1	R_4.2	R_4.3	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.1	R_5.2	R_5.3	R_5.6
R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.1	R_6.2	R_6.3
R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_7.1
R_7.2	R_7.3	R_7.5	R_7.6	R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_7.14
R_8.1	R_8.2	R_8.3	R_8.6	R_8.7	R_8.8	R_8.12	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.5	R_9.6	R_9.7	R_9.8	R_9.12	R_9.13	R_9.14
R_10.1	R_10.2	R_10.3	R_10.6	R_10.7	R_10.8	R_10.13	R_10.14	R_10.15	R_11.1
R_11.2	R_11.3	R_11.5	R_11.6	R_11.7	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2
R_12.3	R_12.6	R_12.7	R_12.8	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3
R_13.5	R_13.6	R_13.7	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.6
R_14.7	R_14.8	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.5	R_15.6
R_15.7	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.6	R_16.7	R_16.8
R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.5	R_17.6	R_17.7	R_17.12
R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.6	R_18.7	R_18.8	R_18.13	R_18.14
R_18.15	R_19.1	R_19.2	R_19.3	R_19.5	R_19.6	R_19.7	R_19.12	R_19.13	R_19.14
R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.13	R_20.14
R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.12	R_21.13
R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.12
R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7
R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6
R_24.7	R_24.8	R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3
R_25.4	R_25.5	R_25.6	R_25.7	R_25.11	R_25.12	R_25.13	R_25.14	P1_7.9	P1_7.10
P1_8.5	P1_8.11	P1_9.11	P1_10.5	P1_10.12	P1_12.5	P1_12.12	P1_14.5	P1_14.12	P1_16.5
P1_16.12	P1_18.5	P1_18.12	P1_20.12	P1_25.10	P2_2.5	P2_3.4	P2_4.4	P2_6.4	P2_7.9
P2_7.10	P2_8.4	P2_8.9	P2_10.4	P2_10.9	P2_11.8	P2_12.4	P2_13.8	P2_14.4	P2_15.8
P2_16.4	P2_17.8	P2_18.4	P2_19.8	P2_21.8	P2_23.8	P2_25.8	P3_1.12	P3_2.13	P3_3.13
P3_4.4	P3_4.14	P3_5.14	P3_6.4	P3_6.15	P3_8.4	P3_8.9	P3_10.4	P3_11.8	P3_12.4
P3_13.8	P3_14.4	P3_15.8	P3_16.4	P3_17.8	P3_18.4	P3_19.4	P3_19.8	P3_21.8	P3_23.8
P4_1.7	P4_2.7	P4_3.6	P4_4.6	P4_5.5	P4_6.5	P4_8.5	P4_10.5	P4_10.12	P4_12.5
P4_12.12	P4_14.5	P4_14.12	P4_16.5	P4_16.12	P4_18.5	P4_18.12	P4_19.4	P4_20.12	P4_21.11
P4_22.11	P4_23.10								

S7

R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.6	R_7.7	R_7.8
R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7	R_8.8
R_8.9	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.7	R_9.8

R_9.9	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.8	R_10.9	R_10.10
R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.7	R_11.8	R_11.9	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.8	R_12.9	R_12.10	R_12.13	R_12.14
R_12.15	R_13.1	R_13.2	R_13.3	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14
R_14.1	R_14.2	R_14.3	R_14.8	R_14.9	R_14.10	R_14.13	R_14.14	R_14.15	R_15.1
R_15.2	R_15.3	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2
R_16.3	R_16.8	R_16.9	R_16.10	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3
R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4
R_18.7	R_18.8	R_18.9	R_18.10	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3
R_19.4	R_19.6	R_19.7	R_19.8	R_19.9	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3
R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.13	R_20.14	R_21.2	R_21.3
R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.12
R_24.4	R_24.5	R_24.6	R_24.7	R_25.4	R_25.5	R_25.6	P1_7.5	P1_7.9	P1_7.10
P1_8.6	P1_8.11	P1_9.6	P1_9.11	P1_10.7	P1_10.12	P1_12.7	P1_12.12	P1_14.7	P1_14.12
P1_16.7	P1_16.12	P1_20.1	P1_20.1	P1_20.12	P1_21.1	P1_22.2	P1_22.12	P1_23.2	P1_24.3
P1_24.12	P1_25.3	P2_7.5	P2_7.9	P2_7.10	P2_8.5	P2_9.4	P2_10.4	P2_11.10	P2_12.4
P2_13.10	P2_14.4	P2_15.10	P2_16.4	P2_17.10	P2_19.10	P2_20.10	P2_20.15	P2_21.9	P2_21.14
P2_22.9	P2_22.14	P2_23.8	P2_23.13	P2_24.8	P2_24.13	P2_25.7	P3_1.12	P3_2.13	P3_3.13
P3_4.14	P3_5.14	P3_6.15	P3_7.9	P3_8.10	P3_9.10	P3_10.4	P3_11.10	P3_12.4	P3_13.10
P3_14.4	P3_15.10	P3_16.4	P3_17.4	P3_17.10	P3_18.5	P3_19.5	P4_1.3	P4_2.3	P4_3.2
P4_4.2	P4_5.1	P4_6.1	P4_10.7	P4_10.12	P4_12.7	P4_12.12	P4_14.7	P4_14.12	P4_16.7
P4_16.12	P4_17.6	P4_18.6	P4_18.12	P4_19.5	P4_20.12	P4_22.12			

S8

R_1.1	R_1.2	R_1.3	R_1.4	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_6.1	R_6.2	R_6.3	R_6.4
R_6.5	R_6.6	R_6.7	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8
R_8.9	R_8.10	R_8.11	R_8.12	R_9.1	R_9.2	R_9.3	R_9.5	R_9.6	R_9.7
R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3
R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.8	R_13.9	R_13.10
R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.11	R_14.12	R_14.13
R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_16.1	R_16.2	R_16.3	R_17.1	R_17.2
R_17.3	R_18.1	R_18.2	R_18.3	R_19.1	R_19.2	R_19.3	R_19.4	R_20.1	R_20.2
R_20.3	R_20.4	R_21.1	R_21.2	R_21.3	R_21.4	R_22.1	R_22.2	R_22.3	R_22.4
R_23.1	R_23.2	R_24.2	P1_9.4	P1_10.5	P1_11.5	P1_12.6	P1_13.6	P1_13.7	P1_14.8
P1_14.9	P1_14.10	P1_15.10	P1_15.11	P1_15.12	P1_15.13	P1_15.14	P1_23.3	P1_24.1	P1_25.1
P2_9.4	P2_10.4	P2_12.4	P2_13.7	P2_14.4	P2_14.9	P2_14.10	P2_15.11	P2_15.12	P2_15.13
P2_15.14	P2_16.4	P2_18.4	P2_20.5	P2_22.5	P2_23.3	P2_23.4	P2_24.3	P2_25.2	P3_1.5
P3_2.6	P3_3.6	P3_4.7	P3_5.7	P3_6.8	P3_6.9	P3_6.10	P3_7.10	P3_7.11	P3_7.12
P3_8.13	P3_8.14	P3_8.15	P3_10.4	P3_12.4	P3_14.4	P3_16.4	P3_18.4	P3_18.5	P3_20.5
P4_6.8	P4_6.9	P4_7.10	P4_7.11	P4_8.13	P4_8.14	P4_18.4			

S9

R_1.4	R_1.5	R_1.10	R_1.11	R_2.4	R_2.5	R_2.6	R_2.10	R_2.11	R_2.12
R_3.3	R_3.4	R_3.5	R_3.6	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4
R_4.5	R_4.6	R_4.7	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.12	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8	R_9.9	R_9.12	R_9.13	R_9.14
R_10.1	R_10.2	R_10.3	R_10.7	R_10.8	R_10.9	R_10.13	R_10.14	R_10.15	R_11.1
R_11.2	R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2
R_14.3	R_14.7	R_14.8	R_14.9	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.6	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.7	R_16.8	R_16.9	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.6
R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4
R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1
R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11

R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8
R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4
R_22.5	R_22.6	R_22.7	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4
R_23.5	R_23.6	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.10
R_24.11	R_24.12	R_25.4	R_25.5	R_25.10	R_25.11	P1_8.5	P1_8.11	P1_9.5	P1_9.11
P1_10.6	P1_10.12	P1_12.6	P1_12.12	P1_14.6	P1_14.12	P1_16.6	P1_16.12	P1_20.1	P1_21.1
P1_22.2	P1_22.8	P1_23.2	P1_23.8	P1_24.3	P1_24.9	P1_25.3	P1_25.9	P2_8.5	P2_8.11
P2_9.4	P2_9.10	P2_10.4	P2_10.10	P2_12.4	P2_12.10	P2_14.4	P2_14.10	P2_16.4	P2_16.10
P2_20.15	P2_21.14	P2_22.8	P2_22.14	P2_23.7	P2_23.13	P2_24.7	P2_24.13	P2_25.6	P2_25.12
P3_1.6	P3_1.12	P3_2.7	P3_2.13	P3_3.7	P3_3.13	P3_4.8	P3_4.14	P3_5.14	P3_6.15
P3_10.4	P3_10.10	P3_12.4	P3_12.10	P3_14.4	P3_14.10	P3_16.4	P3_16.10	P3_17.4	P3_17.10
P3_18.5	P3_18.11	P4_1.3	P4_1.9	P4_2.3	P4_2.9	P4_3.2	P4_3.8	P4_4.2	P4_4.8
P4_5.1	P4_6.1	P4_10.6	P4_10.12	P4_12.6	P4_12.12	P4_14.6	P4_14.12	P4_16.6	P4_16.12
P4_17.5	P4_17.11	P4_18.5	P4_18.11						

S10

R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9
R_3.10	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11
R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_7.1	R_7.2	R_7.3	R_7.4	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10
R_7.11	R_7.12	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7	R_8.8	R_8.9	R_8.10
R_8.11	R_8.12	R_8.13	R_9.1	R_9.2	R_9.3	R_9.7	R_9.8	R_9.9	R_9.10
R_9.11	R_9.12	R_9.13	R_10.1	R_10.2	R_10.3	R_10.8	R_10.9	R_10.10	R_10.11
R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.7	R_11.8	R_11.9	R_11.11
R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.8	R_12.9	R_12.10	R_12.12
R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.7	R_13.8	R_13.9	R_13.12
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.8	R_14.9	R_14.10	R_14.13	R_14.14
R_14.15	R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.9	R_15.13	R_15.14	R_16.1
R_16.2	R_16.3	R_16.8	R_16.9	R_16.10	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3
R_17.7	R_17.8	R_17.9	R_18.1	R_18.2	R_18.3	R_18.4	R_18.7	R_18.8	R_18.9
R_18.10	R_19.1	R_19.2	R_19.3	R_19.4	R_19.6	R_19.7	R_19.8	R_19.9	R_20.2
R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_21.2	R_21.3	R_21.4
R_21.5	R_21.6	R_21.7	R_21.8	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8
R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_24.4	R_24.5	R_24.6	R_24.7	R_25.4
R_25.5	R_25.6	P1_7.5	P1_8.6	P1_9.6	P1_10.7	P1_11.10	P1_12.7	P1_12.11	P1_13.11
P1_14.7	P1_14.12	P1_15.12	P1_16.7	P1_16.13	P1_17.13	P1_17.14	P1_20.1	P1_21.1	P1_22.2
P1_23.2	P1_24.3	P1_25.3	P2_7.5	P2_8.5	P2_9.4	P2_10.4	P2_11.10	P2_12.4	P2_13.10
P2_14.4	P2_15.10	P2_16.4	P2_17.10	P2_17.14	P2_19.10	P2_20.10	P2_21.9	P2_22.9	P2_23.8
P2_24.8	P2_25.7	P3_1.10	P3_2.11	P3_3.11	P3_4.12	P3_5.12	P3_6.13	P3_7.13	P3_8.14
P3_9.14	P3_10.4	P3_10.15	P3_11.10	P3_12.4	P3_13.10	P3_14.4	P3_15.10	P3_16.4	P3_17.4
P3_17.10	P3_18.5	P3_19.5	P4_1.3	P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_6.1	P4_10.7
P4_12.7	P4_14.7	P4_16.7	P4_17.6	P4_18.6	P4_19.5				

S11

R_1.11	R_1.12	R_1.13	R_1.14	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14
R_2.15	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13	R_3.14
R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13
R_4.14	R_4.15	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8
R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4
R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14
R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_7.12	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7
R_8.8	R_8.9	R_8.10	R_9.1	R_9.2	R_9.3	R_9.4	R_9.7	R_9.8	R_9.9
R_9.10	R_10.1	R_10.2	R_10.3	R_10.8	R_10.9	R_10.10	R_11.1	R_11.2	R_11.3
R_11.7	R_11.8	R_11.9	R_11.10	R_12.1	R_12.2	R_12.3	R_12.8	R_12.9	R_12.10
R_13.1	R_13.2	R_13.3	R_13.7	R_13.8	R_13.9	R_13.10	R_14.1	R_14.2	R_14.3
R_14.8	R_14.9	R_14.10	R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.9	R_15.10
R_16.1	R_16.2	R_16.3	R_16.8	R_16.9	R_16.10	R_17.1	R_17.2	R_17.3	R_17.4
R_17.7	R_17.8	R_17.9	R_17.10	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6
R_18.7	R_18.8	R_18.9	R_18.10	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6
R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_20.1	R_20.2	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14
R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9
R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8
R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.6	R_23.7	R_23.8

R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.9	R_24.10	R_24.11	R_24.12
R_24.13	R_24.14	R_24.15	R_25.11	R_25.12	R_25.13	R_25.14	P1_7.13	P1_7.14	P1_8.11
P1_8.12	P1_9.5	P1_9.6	P1_10.4	P1_10.7	P1_12.7	P1_14.7	P1_16.7	P1_22.1	P1_22.2
P1_22.3	P1_23.3	P1_23.4	P1_23.5	P1_24.6	P1_24.7	P1_24.8	P1_25.8	P1_25.9	P1_25.10
P2_7.13	P2_7.14	P2_8.11	P2_8.12	P2_8.13	P2_9.5	P2_9.6	P2_10.4	P2_10.5	P2_10.11
P2_12.4	P2_12.11	P2_14.4	P2_14.11	P2_16.4	P2_16.11	P2_18.11	P2_22.2	P2_22.3	P2_23.4
P2_23.5	P2_24.7	P2_24.8	P2_25.9	P2_25.10	P3_1.9	P3_1.10	P3_2.7	P3_2.8	P3_3.4
P3_3.5	P3_4.2	P3_4.3	P3_8.11	P3_10.4	P3_10.11	P3_12.4	P3_12.11	P3_14.4	P3_14.11
P3_16.4	P3_16.5	P3_16.11	P3_17.5	P3_17.6	P3_18.11	P3_18.12	P3_18.13	P3_19.13	P3_19.14
P4_1.8	P4_1.9	P4_1.10	P4_2.6	P4_2.7	P4_2.8	P4_3.3	P4_3.4	P4_3.5	P4_4.1
P4_4.2	P4_4.3	P4_10.7	P4_12.7	P4_14.7	P4_16.4	P4_16.7	P4_17.5	P4_17.6	P4_18.11
P4_18.12	P4_19.13	P4_19.14							

S12

R_1.3	R_1.4	R_1.5	R_1.10	R_1.11	R_1.12	R_2.3	R_2.4	R_2.5	R_2.6
R_2.10	R_2.11	R_2.12	R_2.13	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.9
R_3.10	R_3.11	R_3.12	R_3.13	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_5.1	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9
R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.4
R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14
R_8.1	R_8.2	R_8.3	R_8.4	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.12
R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8	R_9.9
R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.7	R_10.8	R_10.9	R_10.13
R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_12.13	R_12.14
R_12.15	R_13.1	R_13.2	R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13
R_13.14	R_14.1	R_14.2	R_14.3	R_14.7	R_14.8	R_14.9	R_14.13	R_14.14	R_14.15
R_15.1	R_15.2	R_15.3	R_15.6	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14
R_16.1	R_16.2	R_16.3	R_16.7	R_16.8	R_16.9	R_16.13	R_16.14	R_16.15	R_17.1
R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.1
R_18.2	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11
R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6
R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2
R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12
R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7
R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3
R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13
R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2
R_24.3	R_24.4	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.12
R_25.13	R_25.14	P1_8.5	P1_8.11	P1_9.5	P1_9.11	P1_10.6	P1_10.12	P1_12.6	P1_12.12
P1_14.6	P1_14.12	P1_16.6	P1_16.12	P1_23.4	P1_23.5	P1_23.6	P1_23.7	P1_23.8	P1_23.9
P1_23.10	P1_23.11	P1_25.11	P2_8.5	P2_8.11	P2_9.4	P2_9.10	P2_10.4	P2_10.10	P2_12.4
P2_12.10	P2_14.4	P2_14.10	P2_16.4	P2_16.10	P2_23.4	P2_23.5	P2_23.6	P2_23.7	P2_23.8
P2_23.9	P2_23.10	P2_23.11	P2_25.4	P3_1.6	P3_1.13	P3_2.7	P3_2.14	P3_3.7	P3_3.8
P3_3.14	P3_4.15	P3_10.4	P3_10.10	P3_12.4	P3_12.10	P3_14.4	P3_14.10	P3_16.4	P3_16.10
P3_17.4	P3_17.5	P3_17.10	P3_17.11	P3_23.4	P4_1.2	P4_1.9	P4_2.2	P4_2.9	P4_3.1
P4_3.7	P4_3.8	P4_4.1	P4_10.6	P4_10.12	P4_12.6	P4_12.12	P4_14.6	P4_14.12	P4_16.6
P4_16.12	P4_17.4	P4_17.5	P4_17.10	P4_17.11	P4_23.11				

S13

R_1.4	R_1.5	R_1.6	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5	R_2.6	R_2.10
R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4
R_4.5	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.12
R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.12	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4
R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.12	R_11.13	R_11.14
R_12.1	R_12.2	R_12.3	R_12.4	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.12	R_14.13
R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2
R_16.3	R_16.4	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.4
R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.11
R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.10
R_19.11	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4
R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3

R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13
R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12
R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.4
R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	P1_2.9	P1_3.9	P1_4.10
P1_5.10	P1_6.11	P1_7.11	P1_9.11	P1_11.11	P1_13.11	P1_15.11	P1_20.1	P1_21.1	P1_22.2
P1_23.2	P1_24.3	P1_25.3	P2_2.7	P2_3.6	P2_4.6	P2_5.5	P2_6.5	P2_7.4	P2_9.4
P2_11.4	P2_13.4	P2_15.4	P2_20.15	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12
P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_6.15	P3_7.4	P3_9.4	P3_11.4	P3_13.4	P3_15.4
P3_16.5	P3_17.5	P3_18.6	P3_19.6	P3_19.7	P3_19.8	P3_19.9	P4_1.3	P4_2.3	P4_3.2
P4_4.2	P4_5.1	P4_6.1	P4_7.11	P4_9.11	P4_11.11	P4_13.11	P4_15.11	P4_16.11	P4_17.10
P4_18.10	P4_19.6	P4_19.7	P4_19.8	P4_19.9					

S14

R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_1.12
R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12
R_2.13	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10
R_3.11	R_3.12	R_3.13	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8
R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_5.1	R_5.2	R_5.3	R_5.4
R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14
R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10
R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.11
R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.12	R_8.13	R_8.14
R_8.15	R_9.1	R_9.2	R_9.3	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3
R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.12	R_13.13
R_13.14	R_14.1	R_14.2	R_14.3	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.13	R_16.14	R_16.15	R_17.1
R_17.2	R_17.3	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5
R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15
R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10
R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6
R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1
R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11
R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7
R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2
R_23.3	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3	R_24.4	R_24.12	R_24.13
R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.12	R_25.13	R_25.14	P1_7.5	P1_7.6
P1_7.7	P1_7.8	P1_7.9	P1_7.10	P1_8.11	P1_9.11	P1_10.12	P1_12.12	P1_14.12	P1_16.12
P1_23.4	P1_23.5	P1_23.6	P1_23.7	P1_23.8	P1_23.9	P1_23.10	P1_23.11	P1_25.11	P2_7.5
P2_7.6	P2_7.7	P2_7.8	P2_7.9	P2_7.10	P2_8.5	P2_9.4	P2_10.4	P2_12.4	P2_14.4
P2_16.4	P2_23.4	P2_23.5	P2_23.6	P2_23.7	P2_23.8	P2_23.9	P2_23.10	P2_23.11	P2_25.4
P3_1.13	P3_2.14	P3_3.14	P3_4.15	P3_10.4	P3_12.4	P3_14.4	P3_16.4	P3_17.4	P3_17.5
P3_17.6	P3_17.7	P3_17.8	P3_17.9	P3_17.10	P3_17.11	P3_23.4	P4_1.2	P4_2.2	P4_3.1
P4_4.1	P4_10.12	P4_12.12	P4_14.12	P4_16.12	P4_17.4	P4_17.5	P4_17.6	P4_17.7	P4_17.8
P4_17.9	P4_17.10	P4_17.11	P4_23.11						

S15

R_1.1	R_1.2	R_1.3	R_1.6	R_1.7	R_1.8	R_1.9	R_1.12	R_1.13	R_1.14
R_2.1	R_2.2	R_2.3	R_2.4	R_2.7	R_2.8	R_2.9	R_2.12	R_2.13	R_2.14
R_2.15	R_3.1	R_3.2	R_3.3	R_3.6	R_3.7	R_3.8	R_3.9	R_3.12	R_3.13
R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.7	R_4.8	R_4.9	R_4.12	R_4.13
R_4.14	R_4.15	R_5.1	R_5.2	R_5.3	R_5.6	R_5.7	R_5.8	R_5.9	R_5.12
R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.7	R_6.8	R_6.9	R_6.12
R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.6	R_7.7	R_7.8	R_7.9
R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7	R_8.8	R_8.9
R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8
R_9.9	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4	R_10.7	R_10.8
R_10.9	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.6	R_11.7
R_11.8	R_11.9	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.7
R_12.8	R_12.9	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.6
R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4
R_14.7	R_14.8	R_14.9	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.6	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.4	R_16.7	R_16.8	R_16.9	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2
R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2
R_18.3	R_18.4	R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1
R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11
R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7

R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2
R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12
R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8
R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13
R_23.14	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9
R_24.10	R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4
R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14
P1_2.6	P1_3.11	P1_4.6	P1_5.11	P1_6.6	P1_7.11	P1_8.6	P1_9.11	P1_10.6	P1_11.11
P1_12.6	P1_13.11	P1_14.6	P1_15.11	P1_16.6	P1_17.11	P1_18.6	P2_2.10	P2_3.4	P2_4.10
P2_5.4	P2_6.10	P2_7.4	P2_8.10	P2_9.4	P2_10.10	P2_11.4	P2_12.10	P2_13.4	P2_14.10
P2_15.4	P2_16.10	P2_17.4	P2_18.10	P3_1.4	P3_2.10	P3_3.4	P3_4.10	P3_5.4	P3_6.10
P3_7.4	P3_8.10	P3_9.4	P3_10.10	P3_11.4	P3_12.10	P3_13.4	P3_14.10	P3_15.4	P3_16.10
P3_17.4	P3_18.5	P3_18.6	P3_18.10	P3_18.11	P4_1.11	P4_2.6	P4_3.11	P4_4.6	P4_5.11
P4_6.6	P4_7.11	P4_8.6	P4_9.11	P4_10.6	P4_11.11	P4_12.6	P4_13.11	P4_14.6	P4_15.11
P4_16.6	P4_17.11	P4_18.5	P4_18.6	P4_18.10	P4_18.11				

S16

R_1.1	R_1.2	R_1.3	R_1.7	R_1.8	R_1.9	R_2.1	R_2.2	R_2.3	R_2.4
R_2.7	R_2.8	R_2.9	R_3.1	R_3.2	R_3.3	R_3.7	R_3.8	R_3.9	R_4.1
R_4.2	R_4.3	R_4.4	R_4.7	R_4.8	R_4.9	R_5.1	R_5.2	R_5.3	R_5.7
R_5.8	R_5.9	R_6.1	R_6.2	R_6.3	R_6.4	R_6.7	R_6.8	R_6.9	R_7.1
R_7.2	R_7.3	R_7.7	R_7.8	R_7.9	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7
R_8.8	R_8.9	R_9.1	R_9.2	R_9.3	R_9.7	R_9.8	R_9.9	R_10.1	R_10.2
R_10.3	R_10.4	R_10.7	R_10.8	R_10.9	R_11.1	R_11.2	R_11.3	R_11.7	R_11.8
R_11.9	R_12.1	R_12.2	R_12.3	R_12.4	R_12.7	R_12.8	R_12.9	R_13.1	R_13.2
R_13.3	R_13.7	R_13.8	R_13.9	R_14.1	R_14.2	R_14.3	R_14.4	R_14.7	R_14.8
R_14.9	R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.9	R_16.1	R_16.2	R_16.3
R_16.4	R_16.7	R_16.8	R_16.9	R_17.1	R_17.2	R_17.3	R_17.7	R_17.8	R_17.9
R_18.1	R_18.2	R_18.3	R_18.4	R_18.7	R_18.8	R_18.9	R_19.1	R_19.2	R_19.3
R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13
R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9
R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4
R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14
R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10
R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5
R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1
R_24.2	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11
R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6
R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_3.6	P1_5.6
P1_7.6	P1_9.6	P1_11.6	P1_13.6	P1_15.6	P1_17.6	P2_2.10	P2_3.4	P2_4.10	P2_5.4
P2_6.10	P2_7.4	P2_8.10	P2_9.4	P2_10.10	P2_11.4	P2_12.10	P2_13.4	P2_14.10	P2_15.4
P2_16.10	P2_17.4	P2_18.10	P3_1.4	P3_2.10	P3_3.4	P3_4.10	P3_5.4	P3_6.10	P3_7.4
P3_8.10	P3_9.4	P3_10.10	P3_11.4	P3_12.10	P3_13.4	P3_14.10	P3_15.4	P3_16.10	P3_17.4
P3_18.5	P3_18.6	P3_18.10	P3_18.11	P3_18.12	P3_18.13	P3_18.14	P3_18.15	P4_1.6	P4_3.6
P4_5.6	P4_7.6	P4_9.6	P4_11.6	P4_13.6	P4_15.6	P4_17.6	P4_18.5	P4_18.6	P4_18.10
P4_18.11	P4_18.12	P4_18.13	P4_18.14						

S17

R_1.4	R_1.5	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5	R_2.8
R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.7	R_3.8	R_3.9
R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.8	R_4.9	R_4.10	R_4.11
R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11
R_5.12	R_5.13	R_6.2	R_6.3	R_6.4	R_6.8	R_6.9	R_6.10	R_6.12	R_6.13
R_6.14	R_7.1	R_7.2	R_7.3	R_7.7	R_7.8	R_7.9	R_7.12	R_7.13	R_7.14
R_8.1	R_8.2	R_8.3	R_8.4	R_8.8	R_8.9	R_8.10	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.7	R_9.8	R_9.9	R_9.12	R_9.13	R_9.14	R_10.1
R_10.2	R_10.3	R_10.4	R_10.8	R_10.9	R_10.10	R_10.13	R_10.14	R_10.15	R_11.1
R_11.2	R_11.3	R_11.7	R_11.8	R_11.9	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2
R_12.3	R_12.4	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.12	R_13.13
R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2
R_15.3	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.12	R_16.13
R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.4	R_17.11	R_17.12	R_17.13	R_17.14
R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15
R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14
R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11
R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7

R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7
R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	R_25.11	P1_2.7	P1_4.7	P1_6.7	P1_6.11	P1_7.11	P1_8.7	P1_8.12
P1_10.7	P1_10.12	P1_12.7	P1_12.8	P1_12.9	P1_12.12	P1_14.12	P1_20.1	P1_21.1	P1_22.2
P1_23.2	P1_24.3	P1_25.3	P2_2.6	P2_4.6	P2_5.5	P2_6.5	P2_6.11	P2_7.4	P2_7.10
P2_9.4	P2_9.10	P2_11.4	P2_11.10	P2_12.8	P2_12.9	P2_12.10	P2_13.4	P2_15.4	P2_20.15
P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12	P3_2.6	P3_2.13	P3_3.13	P3_4.14
P3_5.14	P3_6.15	P3_7.4	P3_7.10	P3_9.4	P3_9.10	P3_11.4	P3_13.4	P3_15.4	P3_16.5
P3_17.5	P3_18.6	P3_19.6	P3_19.7	P3_19.8	P3_19.9	P4_1.3	P4_2.3	P4_2.7	P4_3.2
P4_4.2	P4_4.7	P4_5.1	P4_6.1	P4_6.7	P4_8.7	P4_8.12	P4_10.7	P4_10.12	P4_12.12
P4_14.12	P4_15.11	P4_16.11	P4_17.10	P4_18.10	P4_19.6	P4_19.7	P4_19.8	P4_19.9	

S18

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8
R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3
R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13
R_7.14	R_8.6	R_8.7	R_8.8	R_8.9	R_9.6	R_9.7	R_9.8	R_9.9	R_10.6
R_10.7	R_10.8	R_10.9	R_11.6	R_11.7	R_11.8	R_11.9	R_12.6	R_12.7	R_12.8
R_12.9	R_13.6	R_13.7	R_13.8	R_13.9	R_14.6	R_14.7	R_14.8	R_14.9	R_15.6
R_15.7	R_15.8	R_15.9	R_16.6	R_16.7	R_16.8	R_16.9	R_17.6	R_17.7	R_17.8
R_17.9	R_18.6	R_18.7	R_18.8	R_18.9	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5
R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1
R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11
R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2
R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12
R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7
R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3
R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13
R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_8.1	P1_8.2	P1_8.3	P1_8.4
P1_8.5	P1_8.10	P1_8.11	P1_8.12	P1_8.13	P1_8.14	P1_9.5	P1_11.5	P1_13.5	P1_15.5
P1_17.5	P2_8.2	P2_8.3	P2_8.4	P2_8.5	P2_8.10	P2_8.11	P2_8.12	P2_8.13	P2_8.14
P2_8.15	P2_10.10	P2_12.10	P2_14.10	P2_16.10	P2_18.10	P3_8.10	P3_10.10	P3_12.10	P3_14.10
P3_16.10	P3_18.2	P3_18.3	P3_18.4	P3_18.5	P3_18.10	P3_18.11	P3_18.12	P3_18.13	P3_18.14
P3_18.15	P4_9.5	P4_11.5	P4_13.5	P4_15.5	P4_17.5	P4_18.1	P4_18.2	P4_18.3	P4_18.4
P4_18.5	P4_18.10	P4_18.11	P4_18.12	P4_18.13	P4_18.14				

S19

R_1.12	R_1.13	R_1.14	R_2.12	R_2.13	R_2.14	R_2.15	R_3.12	R_3.13	R_3.14
R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2	R_5.3	R_5.12	R_5.13	R_5.14
R_6.1	R_6.2	R_6.3	R_6.4	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2
R_7.3	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.12	R_8.13
R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2
R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12
R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7
R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3
R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13
R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4
R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14
R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.5
R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15
R_17.1	R_17.2	R_17.3	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4
R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.12	R_19.13	R_19.14
R_20.1	R_20.2	R_20.3	R_20.4	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2
R_21.3	R_21.12	R_21.13	R_21.14	R_22.12	R_22.13	R_22.14	R_22.15	R_23.12	R_23.13
R_23.14	R_24.12	R_24.13	R_24.14	R_24.15	R_25.12	R_25.13	R_25.14	P1_3.11	P1_5.11
P1_7.11	P1_9.11	P1_17.4	P1_17.5	P1_17.6	P1_17.7	P1_17.8	P1_17.9	P1_17.10	P1_17.11

P1_19.11	P1_21.11	P1_22.1	P1_22.2	P1_22.3	P1_23.11	P1_25.11	P2_7.4	P2_9.4	P2_17.4
P2_17.5	P2_17.6	P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.11	P2_19.4	P2_21.4	P2_22.2
P2_22.3	P2_22.4	P3_4.2	P3_4.3	P3_4.4	P3_5.4	P3_7.4	P3_9.4	P3_9.5	P3_9.6
P3_9.7	P3_9.8	P3_9.9	P3_9.10	P3_9.11	P3_17.4	P3_19.4	P4_1.11	P4_3.11	P4_4.1
P4_4.2	P4_4.3	P4_5.11	P4_7.11	P4_9.4	P4_9.5	P4_9.6	P4_9.7	P4_9.8	P4_9.9
P4_9.10	P4_9.11	P4_17.11	P4_19.11	P4_21.11	P4_23.11				

S20

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8	R_2.9
R_2.10	R_2.11	R_2.12	R_3.1	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_5.13	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9
R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5
R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1
R_8.2	R_8.3	R_8.11	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3
R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.12	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2
R_12.3	R_12.12	R_12.13	R_12.14	R_12.15	R_13.11	R_13.12	R_13.13	R_13.14	R_14.12
R_14.13	R_14.14	R_14.15	R_15.11	R_15.12	R_15.13	R_15.14	R_16.11	R_16.12	R_16.13
R_16.14	R_16.15	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.10	R_18.11	R_18.12
R_18.13	R_18.14	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_20.8
R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11
R_21.12	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_23.7	R_23.8	R_23.9	R_23.10
R_23.11	R_24.8	R_24.9	R_24.10	R_24.11	R_25.7	R_25.8	R_25.9	R_25.10	P1_8.4
P1_8.5	P1_8.6	P1_8.7	P1_8.8	P1_8.9	P1_8.10	P1_9.10	P1_10.11	P1_12.11	P1_13.1
P1_13.2	P1_14.11	P1_20.7	P1_22.7	P1_24.7	P2_8.4	P2_8.5	P2_8.6	P2_8.7	P2_8.8
P2_8.9	P2_8.10	P2_10.4	P2_12.4	P2_13.1	P2_13.2	P2_13.3	P2_18.15	P2_19.14	P2_20.14
P2_21.13	P2_22.13	P2_23.12	P2_24.12	P2_25.11	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14
P3_6.15	P3_8.4	P3_10.4	P3_18.8	P3_18.9	P4_10.11	P4_12.11	P4_14.11	P4_15.10	P4_16.10
P4_17.9	P4_18.7	P4_18.8	P4_18.9	P4_20.7	P4_22.7	P4_24.7			

S21

R_1.1	R_1.2	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.13	R_2.14	R_2.15
R_3.1	R_3.2	R_3.3	R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4
R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2	R_5.3	R_5.4	R_5.11	R_5.12
R_5.13	R_5.14	R_6.2	R_6.3	R_6.4	R_6.5	R_6.11	R_6.12	R_6.13	R_6.14
R_7.2	R_7.3	R_7.4	R_7.5	R_7.10	R_7.11	R_7.12	R_7.13	R_8.3	R_8.4
R_8.5	R_8.6	R_8.10	R_8.11	R_8.12	R_8.13	R_9.3	R_9.4	R_9.5	R_9.6
R_9.9	R_9.10	R_9.11	R_9.12	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10
R_11.11	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_15.6
R_15.7	R_15.8	R_15.9	R_16.6	R_16.7	R_16.8	R_16.9	R_17.5	R_17.6	R_17.7
R_17.8	R_17.9	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_19.1	R_19.2
R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12
R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8
R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3
R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13
R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9
R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14
R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10
R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5
R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_6.1
P1_7.1	P1_8.2	P1_9.2	P1_10.3	P1_11.3	P1_12.4	P1_13.4	P1_14.5	P1_15.5	P2_6.15
P2_7.14	P2_8.14	P2_9.13	P2_10.13	P2_11.12	P2_12.12	P2_13.11	P2_14.11	P2_15.10	P2_16.10
P3_1.3	P3_2.4	P3_3.4	P3_4.5	P3_5.5	P3_6.6	P3_7.6	P3_8.7	P3_9.7	P3_9.8
P3_16.10	P3_17.10	P3_18.2	P3_18.3	P3_18.4	P3_18.11	P3_18.12	P3_18.13	P3_18.14	P3_18.15
P4_1.12	P4_2.12	P4_3.11	P4_4.11	P4_5.10	P4_6.10	P4_7.9	P4_8.9	P4_9.7	P4_9.8
P4_15.5	P4_16.5	P4_17.4	P4_18.1	P4_18.2	P4_18.3	P4_18.4	P4_18.11	P4_18.12	P4_18.13
P4_18.14									

S22

R_1.11	R_1.12	R_1.13	R_1.14	R_2.12	R_2.13	R_2.14	R_2.15	R_3.11	R_3.12
R_3.13	R_3.14	R_4.12	R_4.13	R_4.14	R_4.15	R_5.11	R_5.12	R_5.13	R_5.14
R_6.12	R_6.13	R_6.14	R_6.15	R_7.11	R_7.12	R_7.13	R_7.14	R_8.12	R_8.13
R_8.14	R_8.15	R_9.11	R_9.12	R_9.13	R_9.14	R_10.12	R_10.13	R_10.14	R_10.15
R_11.11	R_11.12	R_11.13	R_11.14	R_12.12	R_12.13	R_12.14	R_12.15	R_13.11	R_13.12
R_13.13	R_13.14	R_14.12	R_14.13	R_14.14	R_14.15	R_15.11	R_15.12	R_15.13	R_15.14
R_16.12	R_16.13	R_16.14	R_16.15	R_17.11	R_17.12	R_17.13	R_17.14	R_18.12	R_18.13
R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8
R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14
R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9
R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15
R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10
R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6
R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1
R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11
R_25.12	R_25.13	R_25.14	P1_2.11	P1_4.11	P1_6.11	P1_8.11	P1_10.11	P1_12.11	P1_14.11
P1_16.11	P1_18.11	P3_18.2	P3_18.3	P3_18.4	P3_18.5	P3_18.6	P3_18.7	P3_18.8	P3_18.9
P3_18.10	P3_18.11	P4_2.11	P4_4.11	P4_6.11	P4_8.11	P4_10.11	P4_12.11	P4_14.11	P4_16.11
P4_18.1	P4_18.2	P4_18.3	P4_18.4	P4_18.5	P4_18.6	P4_18.7	P4_18.8	P4_18.9	P4_18.10
P4_18.11									

S23

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_5.13	R_5.14	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9
R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.2	R_7.3	R_7.4	R_7.5
R_8.3	R_8.4	R_8.5	R_8.6	R_9.3	R_9.4	R_9.5	R_9.6	R_10.4	R_10.5
R_10.6	R_10.7	R_11.4	R_11.5	R_11.6	R_11.7	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_13.5	R_13.6	R_13.7	R_13.8	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_15.4	R_15.5	R_15.6	R_15.7	R_16.4	R_16.5	R_16.6	R_16.7	R_17.3	R_17.4
R_17.5	R_17.6	R_18.3	R_18.4	R_18.5	R_18.6	R_19.2	R_19.3	R_19.4	R_19.5
R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11
R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2
R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12
R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7
R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3
R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13
R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_6.1	P1_7.1	P1_7.6	P1_7.7
P1_7.8	P1_7.9	P1_7.10	P1_7.11	P1_7.12	P1_7.13	P1_7.14	P1_8.2	P1_9.2	P1_10.3
P1_11.3	P1_12.4	P1_13.4	P1_15.8	P2_7.6	P2_7.7	P2_7.8	P2_7.9	P2_7.10	P2_7.11
P2_7.12	P2_7.13	P2_7.14	P2_13.9	P2_15.8	P2_15.9	P2_16.8	P2_17.7	P2_18.7	P2_19.6
P3_7.6	P3_8.7	P3_9.7	P3_10.8	P3_11.8	P3_11.9	P3_13.9	P3_19.6	P3_19.7	P3_19.8
P3_19.9	P3_19.10	P3_19.11	P3_19.12	P3_19.13	P3_19.14	P4_11.8	P4_13.4	P4_14.4	P4_15.3
P4_16.3	P4_17.2	P4_18.2	P4_19.1	P4_19.6	P4_19.7	P4_19.8	P4_19.9	P4_19.10	P4_19.11
P4_19.12	P4_19.13	P4_19.14	P4_20.1						

S24

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8
R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3
R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13
R_7.14	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_9.7	R_9.8	R_9.9	R_9.10
R_9.11	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_11.6	R_11.7	R_11.8	R_11.9

R_11.10	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_17.3	R_17.4	R_17.5	R_17.6
R_17.7	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_19.1	R_19.2	R_19.3	R_19.4
R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14
R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10
R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1
R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11
R_22.12	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2
R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12
R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7
R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_8.1	P1_8.2	P1_8.3
P1_8.4	P1_8.5	P1_8.6	P1_8.7	P1_8.13	P1_8.14	P2_8.2	P2_8.3	P2_8.4	P2_8.5
P2_8.6	P2_8.7	P2_8.13	P2_8.14	P2_8.15	P2_9.12	P2_10.12	P2_11.11	P2_12.11	P2_13.10
P2_14.10	P2_15.9	P2_16.9	P2_17.8	P2_18.8	P3_18.2	P3_18.8	P3_18.9	P3_18.10	P3_18.11
P3_18.12	P3_18.13	P3_18.14	P3_18.15	P4_8.7	P4_9.6	P4_10.6	P4_11.5	P4_12.5	P4_13.4
P4_14.4	P4_15.3	P4_16.3	P4_17.2	P4_18.1	P4_18.2	P4_18.8	P4_18.9	P4_18.10	P4_18.11
P4_18.12	P4_18.13	P4_18.14							

S25

R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.5	R_8.11	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3
R_9.4	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4	R_10.12
R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.11	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1
R_13.2	R_13.3	R_13.4	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3
R_14.4	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.11
R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.12	R_16.13	R_16.14
R_16.15	R_17.1	R_17.2	R_17.3	R_17.4	R_17.11	R_17.12	R_17.13	R_17.14	R_18.1
R_18.2	R_18.3	R_18.4	R_18.5	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1
R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11
R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8
R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4
R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4
R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.4	R_25.5
R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	P1_8.6	P1_8.7	P1_8.8	P1_8.9
P1_8.10	P1_9.10	P1_10.11	P1_12.11	P1_14.11	P1_16.11	P1_20.1	P1_21.1	P1_22.2	P1_23.2
P1_24.3	P1_25.3	P2_8.6	P2_8.7	P2_8.8	P2_8.9	P2_8.10	P2_9.5	P2_10.5	P2_12.5
P2_14.5	P2_16.5	P2_20.15	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12	P3_2.13
P3_3.13	P3_4.14	P3_5.14	P3_6.15	P3_10.5	P3_12.5	P3_14.5	P3_16.5	P3_17.5	P3_18.6
P3_18.7	P3_18.8	P3_18.9	P3_18.10	P4_1.3	P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_6.1
P4_10.11	P4_12.11	P4_14.11	P4_16.11	P4_17.10	P4_18.6	P4_18.7	P4_18.8	P4_18.9	P4_18.10

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R_1.3	R_1.4	R_1.5	R_1.6	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_3.2
R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6
R_4.7	R_4.8	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8
R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_7.1
R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_8.1	R_8.2	R_8.3
R_8.4	R_8.6	R_8.7	R_8.8	R_8.9	R_9.1	R_9.2	R_9.3	R_9.6	R_9.7
R_9.8	R_10.1	R_10.2	R_10.3	R_10.7	R_10.8	R_10.9	R_11.1	R_11.2	R_11.3
R_11.6	R_11.7	R_11.8	R_12.1	R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_13.1
R_13.2	R_13.3	R_13.6	R_13.7	R_13.8	R_14.1	R_14.2	R_14.3	R_14.7	R_14.8
R_14.9	R_15.1	R_15.2	R_15.3	R_15.6	R_15.7	R_15.8	R_16.1	R_16.2	R_16.3
R_16.7	R_16.8	R_16.9	R_17.1	R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_18.1
R_18.2	R_18.3	R_18.7	R_18.8	R_18.9	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5
R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1

R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11
R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2
R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12
R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7
R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3
R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13
R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_8.5	P1_9.5	P1_10.6	P1_12.6
P1_14.6	P1_16.6	P1_18.6	P2_7.9	P2_8.5	P2_9.4	P2_9.9	P2_10.4	P2_11.9	P2_12.4
P2_13.9	P2_14.4	P2_15.9	P2_16.4	P2_17.9	P2_18.4	P3_1.7	P3_2.8	P3_3.8	P3_4.9
P3_5.9	P3_7.9	P3_9.9	P3_10.4	P3_11.9	P3_12.4	P3_13.9	P3_14.4	P3_15.9	P3_16.4
P3_17.9	P3_18.4	P3_18.5	P3_18.6	P3_18.10	P3_18.11	P3_18.12	P3_18.13	P3_18.14	P3_18.15
P4_1.2	P4_2.2	P4_3.1	P4_4.1	P4_10.6	P4_12.6	P4_14.6	P4_16.6	P4_18.4	P4_18.5
P4_18.6	P4_18.10	P4_18.11	P4_18.12	P4_18.13	P4_18.14				

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R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.15	R_3.3	R_3.4	R_3.5	R_3.6
R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.14	R_4.3	R_4.4	R_4.5	R_4.6
R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.14	R_4.15	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_5.14	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10
R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5
R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1
R_8.2	R_8.3	R_8.4	R_8.5	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_9.1
R_9.2	R_9.3	R_9.4	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2
R_10.3	R_10.4	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3
R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_12.1	R_12.2	R_12.3	R_12.4	R_12.10
R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.11	R_13.12	R_13.13
R_14.1	R_14.2	R_14.3	R_14.4	R_14.11	R_14.12	R_14.13	R_14.14	R_15.1	R_15.2
R_15.3	R_15.11	R_15.12	R_15.13	R_16.1	R_16.2	R_16.3	R_16.4	R_16.11	R_16.12
R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.4	R_17.10	R_17.11	R_17.12	R_17.13
R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.10	R_18.11	R_18.12	R_18.13
R_18.14	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9
R_19.10	R_19.11	R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_23.3	R_23.4	R_23.5
R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_24.4	R_24.5	R_24.6	R_24.7
R_24.8	R_24.9	R_24.10	R_24.11	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9
R_25.10	P1_8.6	P1_8.7	P1_8.8	P1_8.9	P1_9.9	P1_12.9	P1_13.9	P1_13.10	P1_15.10
P1_20.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P2_8.6	P2_8.7	P2_8.8	P2_8.9
P2_8.15	P2_9.5	P2_10.5	P2_10.15	P2_11.4	P2_11.14	P2_13.4	P2_13.10	P2_13.14	P2_15.4
P2_15.14	P2_18.15	P2_19.14	P2_20.14	P2_21.13	P2_22.13	P2_23.12	P2_24.12	P2_25.11	P2_1.11
P3_2.12	P3_3.12	P3_4.13	P3_8.15	P3_11.4	P3_11.14	P3_13.4	P3_13.14	P3_15.4	P3_15.14
P3_16.5	P3_16.15	P3_17.5	P3_18.6	P3_18.7	P3_18.8	P3_18.9	P4_1.3	P4_1.14	P4_2.3
P4_2.14	P4_3.2	P4_3.13	P4_4.2	P4_4.13	P4_5.1	P4_6.1	P4_9.9	P4_10.9	P4_13.10
P4_15.10	P4_16.10	P4_17.9	P4_18.6	P4_18.7	P4_18.8	P4_18.9			

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R_1.3	R_1.4	R_1.5	R_1.6	R_1.14	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7
R_2.14	R_2.15	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.13	R_3.14
R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.13	R_4.14	R_4.15
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.12	R_5.13
R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9
R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6
R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4
R_8.6	R_8.7	R_8.8	R_8.9	R_8.11	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2
R_9.3	R_9.6	R_9.7	R_9.8	R_9.10	R_9.11	R_9.12	R_9.13	R_10.1	R_10.2
R_10.3	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_11.1	R_11.2
R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_12.1	R_12.2
R_12.3	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_13.1	R_13.2	R_13.3
R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_14.1	R_14.2	R_14.3	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_15.1	R_15.2	R_15.3	R_15.6	R_15.7	R_15.8
R_15.9	R_15.10	R_16.1	R_16.2	R_16.3	R_16.7	R_16.8	R_16.9	R_16.10	R_17.1
R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_18.1	R_18.2	R_18.3	R_18.7
R_18.8	R_18.9	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8

R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14
R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15
R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10
R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6
R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1
R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11
R_25.12	R_25.13	R_25.14	P1_8.5	P1_9.5	P1_10.6	P1_12.6	P1_14.6	P1_16.6	P1_18.6
P2_7.9	P2_8.5	P2_8.15	P2_9.4	P2_9.9	P2_9.14	P2_10.4	P2_10.14	P2_11.13	P2_12.4
P2_12.13	P2_13.12	P2_14.4	P2_14.12	P2_15.11	P2_16.4	P2_16.11	P2_17.10	P2_18.4	P2_18.10
P3_1.7	P3_2.8	P3_3.8	P3_4.9	P3_5.9	P3_7.9	P3_9.9	P3_10.4	P3_12.4	P3_14.4
P3_16.4	P3_18.4	P3_18.5	P3_18.6	P3_18.10	P3_18.11	P3_18.12	P3_18.13	P3_18.14	P3_18.15
P4_1.2	P4_1.13	P4_2.2	P4_2.13	P4_3.1	P4_3.12	P4_4.1	P4_4.12	P4_5.11	P4_6.11
P4_7.10	P4_8.10	P4_9.9	P4_10.6	P4_12.6	P4_14.6	P4_16.6	P4_18.4	P4_18.5	P4_18.6
P4_18.10	P4_18.11	P4_18.12	P4_18.13	P4_18.14					

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R_1.3	R_1.4	R_1.9	R_1.10	R_1.11	R_1.12	R_2.3	R_2.4	R_2.5	R_2.9
R_2.10	R_2.11	R_2.12	R_2.13	R_3.2	R_3.3	R_3.4	R_3.5	R_3.8	R_3.9
R_3.10	R_3.11	R_3.12	R_3.13	R_4.2	R_4.3	R_4.4	R_4.5	R_4.8	R_4.9
R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_5.1	R_5.2	R_5.3	R_5.4	R_5.7
R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2	R_6.3
R_6.4	R_6.7	R_6.8	R_6.9	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2
R_7.3	R_7.7	R_7.8	R_7.9	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.7	R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2
R_9.3	R_9.7	R_9.8	R_9.9	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3
R_10.4	R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2
R_11.3	R_11.7	R_11.8	R_11.9	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3
R_12.4	R_12.7	R_12.8	R_12.9	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3
R_14.4	R_14.7	R_14.8	R_14.9	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2
R_15.3	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.4	R_16.7	R_16.8	R_16.9	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2
R_17.3	R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3
R_18.4	R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2
R_19.3	R_19.4	R_19.6	R_19.7	R_19.8	R_19.9	R_19.12	R_19.13	R_19.14	R_20.1
R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.12	R_20.13
R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.11	R_21.12	R_21.13	R_21.14	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7
R_22.8	R_22.11	R_22.12	R_22.13	R_22.14	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.10	R_23.11	R_23.12	R_23.13	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7
R_24.11	R_24.12	R_24.13	R_25.3	R_25.4	R_25.5	R_25.6	R_25.11	R_25.12	P1_6.10
P1_6.11	P1_7.6	P1_7.11	P1_9.6	P1_9.11	P1_11.6	P1_11.11	P1_13.6	P1_13.11	P1_15.6
P1_15.11	P1_17.6	P1_17.11	P1_19.11	P1_22.1	P1_23.1	P1_24.2	P1_24.10	P1_25.2	P1_25.10
P2_4.6	P2_5.5	P2_6.5	P2_6.10	P2_6.11	P2_7.4	P2_8.10	P2_9.4	P2_10.10	P2_11.4
P2_12.10	P2_13.4	P2_14.10	P2_15.4	P2_16.10	P2_17.4	P2_18.10	P2_20.10	P2_21.9	P2_22.9
P2_22.15	P2_23.8	P2_23.14	P2_24.8	P2_24.14	P2_25.7	P2_25.13	P3_1.5	P3_1.13	P3_2.6
P3_2.14	P3_3.14	P3_4.15	P3_6.10	P3_7.4	P3_8.10	P3_9.4	P3_10.10	P3_11.4	P3_12.10
P3_13.4	P3_14.10	P3_15.4	P3_16.10	P3_17.4	P3_18.5	P3_18.10	P3_19.5	P4_1.2	P4_1.8
P4_2.2	P4_2.8	P4_3.1	P4_3.7	P4_4.1	P4_4.7	P4_5.6	P4_7.6	P4_7.11	P4_9.6
P4_9.11	P4_11.6	P4_11.11	P4_13.6	P4_13.11	P4_15.6	P4_15.11	P4_17.6	P4_17.11	P4_18.6
P4_19.5	P4_19.11	P4_20.11	P4_21.10	P4_22.10					

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R_1.1	R_1.2	R_1.3	R_1.4	R_2.1	R_2.2	R_2.3	R_2.4	R_3.1	R_3.2
R_3.3	R_3.4	R_4.1	R_4.2	R_4.3	R_4.4	R_5.1	R_5.2	R_5.3	R_5.4
R_6.1	R_6.2	R_6.3	R_6.4	R_7.1	R_7.2	R_7.3	R_7.4	R_8.1	R_8.2
R_8.3	R_8.4	R_9.1	R_9.2	R_9.3	R_9.4	R_10.1	R_10.2	R_10.3	R_10.4
R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5
R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15
R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10
R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6
R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1
R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11

R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7
R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2
R_17.3	R_17.4	R_18.1	R_18.2	R_18.3	R_18.4	R_19.1	R_19.2	R_19.3	R_19.4
R_20.1	R_20.2	R_20.3	R_20.4	R_21.1	R_21.2	R_21.3	R_21.4	R_22.1	R_22.2
R_22.3	R_22.4	R_23.1	R_23.2	R_23.3	R_23.4	R_24.1	R_24.2	R_24.3	R_24.4
R_25.1	R_25.2	R_25.3	R_25.4	P1_17.5	P1_17.6	P1_17.7	P1_17.8	P1_17.9	P1_17.10
P1_17.11	P1_17.12	P1_17.13	P1_17.14	P2_2.5	P2_4.5	P2_6.5	P2_8.5	P2_17.5	P2_17.6
P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.11	P2_17.12	P2_17.13	P2_17.14	P2_18.5	P2_20.5
P2_22.5	P2_24.5	P3_2.5	P3_4.5	P3_6.5	P3_8.5	P3_9.5	P3_9.6	P3_9.7	P3_9.8
P3_9.9	P3_9.10	P3_9.11	P3_9.12	P3_9.13	P3_9.14	P3_18.5	P3_20.5	P3_22.5	P3_24.5
P4_9.5	P4_9.6	P4_9.7	P4_9.8	P4_9.9	P4_9.10	P4_9.11	P4_9.12	P4_9.13	P4_9.14

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R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8
R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_3.1	R_3.2	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13	R_4.1	R_4.2
R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12
R_4.13	R_4.14	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8
R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4
R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14
R_6.15	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.11	R_8.12	R_8.13	R_8.14	R_8.15
R_9.11	R_9.12	R_9.13	R_9.14	R_10.12	R_10.13	R_10.14	R_10.15	R_11.11	R_11.12
R_11.13	R_11.14	R_12.12	R_12.13	R_12.14	R_12.15	R_13.11	R_13.12	R_13.13	R_13.14
R_14.12	R_14.13	R_14.14	R_14.15	R_15.11	R_15.12	R_15.13	R_15.14	R_16.12	R_16.13
R_16.14	R_16.15	R_17.11	R_17.12	R_17.13	R_17.14	R_18.11	R_18.12	R_18.13	R_18.14
R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9
R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15
R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6
R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_23.1	R_23.2
R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12
R_23.13	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9
R_24.10	R_24.11	R_24.12	R_24.13	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6
R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	P1_8.1	P1_8.2	P1_8.3	P1_8.4
P1_8.5	P1_8.6	P1_8.7	P1_8.8	P1_8.9	P1_8.10	P1_9.10	P1_10.11	P1_12.11	P1_14.11
P1_16.11	P2_8.2	P2_8.3	P2_8.4	P2_8.5	P2_8.6	P2_8.7	P2_8.8	P2_8.9	P2_8.10
P2_22.15	P2_23.14	P2_24.14	P2_25.13	P3_1.13	P3_2.14	P3_3.14	P3_4.15	P3_18.2	P3_18.3
P3_18.4	P3_18.5	P3_18.6	P3_18.7	P3_18.8	P3_18.9	P3_18.10	P4_10.11	P4_12.11	P4_14.11
P4_16.11	P4_17.10	P4_18.1	P4_18.2	P4_18.3	P4_18.4	P4_18.5	P4_18.6	P4_18.7	P4_18.8
P4_18.9	P4_18.10								

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R_1.1	R_1.2	R_1.3	R_1.4	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6
R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5
R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_7.3	R_7.4
R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_8.6
R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_9.8	R_9.9
R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15
R_11.11	R_11.12	R_11.13	R_11.14	R_12.12	R_12.13	R_12.14	R_12.15	R_13.12	R_13.13
R_13.14	R_14.12	R_14.13	R_14.14	R_14.15	R_15.11	R_15.12	R_15.13	R_15.14	R_16.11
R_16.12	R_16.13	R_16.14	R_16.15	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13
R_17.14	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14
R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12
R_19.13	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9
R_20.10	R_20.11	R_20.12	R_20.13	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6
R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_25.1	R_25.2	R_25.3	R_25.4	P1_7.1
P1_7.2	P1_8.3	P1_8.4	P1_8.5	P1_9.5	P1_9.6	P1_9.7	P1_10.8	P1_10.9	P1_10.10
P1_11.10	P1_12.11	P1_13.11	P1_21.12	P1_22.10	P1_22.11	P1_23.7	P1_23.8	P1_24.6	P2_7.1
P2_7.2	P2_8.4	P2_8.5	P2_9.6	P2_9.7	P2_10.9	P2_10.10	P2_18.15	P2_19.14	P2_20.14
P2_21.12	P2_21.13	P2_22.10	P2_22.11	P2_22.12	P2_23.7	P2_23.8	P2_23.9	P2_24.6	P2_24.7
P2_25.5	P3_1.5	P3_2.6	P3_2.7	P3_3.7	P3_3.8	P3_3.9	P3_4.10	P3_4.11	P3_4.12

P3_5.12	P3_5.13	P3_6.14	P3_7.14	P3_8.15	P3_16.9	P3_16.10	P3_17.6	P3_17.7	P3_18.4
P3_18.5	P3_19.1	P3_19.2	P4_2.6	P4_3.7	P4_3.8	P4_4.10	P4_4.11	P4_5.12	P4_13.11
P4_14.11	P4_15.10	P4_16.8	P4_16.9	P4_16.10	P4_17.5	P4_17.6	P4_17.7	P4_18.3	P4_18.4
P4_18.5	P4_19.1	P4_19.2							

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R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_2.1	R_2.2
R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_3.1	R_3.2
R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_4.1
R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11
R_4.12	R_4.13	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8
R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.4
R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14
R_6.15	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.11	R_8.12	R_8.13	R_8.14
R_8.15	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_10.8	R_10.9	R_10.10	R_10.11
R_10.12	R_10.13	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11
R_11.12	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8
R_15.9	R_15.10	R_15.11	R_15.12	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15
R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15
R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6
R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.1	R_23.2	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_24.1	R_24.2
R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_25.1	R_25.2
R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	P1_7.1	P1_7.2	P1_7.3	P1_7.4
P1_7.5	P1_7.6	P1_7.7	P1_7.8	P1_7.9	P1_8.10	P1_9.14	P1_12.4	P1_14.4	P1_16.4
P1_16.5	P1_16.6	P1_16.7	P1_17.7	P1_17.8	P1_18.9	P1_18.10	P1_22.14	P1_23.12	P1_24.11
P1_25.9	P2_7.1	P2_7.2	P2_7.3	P2_7.4	P2_7.5	P2_7.6	P2_7.7	P2_7.8	P2_7.9
P2_9.14	P2_10.14	P2_11.13	P2_12.13	P2_13.12	P2_16.5	P2_16.6	P2_16.7	P2_17.8	P2_18.10
P2_22.14	P2_22.15	P2_23.12	P2_23.13	P2_24.11	P2_24.12	P2_25.9	P2_25.10	P3_1.9	P3_1.10
P3_2.11	P3_2.12	P3_3.12	P3_3.13	P3_4.14	P3_4.15	P3_8.10	P3_9.8	P3_10.5	P3_10.6
P3_10.7	P3_13.12	P3_14.13	P3_15.13	P3_16.14	P3_17.14	P3_19.1	P3_19.2	P3_19.3	P3_19.4
P3_19.5	P3_19.6	P3_19.7	P3_19.8	P3_19.9	P4_1.9	P4_2.11	P4_3.12	P4_4.14	P4_8.9
P4_8.10	P4_9.7	P4_9.8	P4_10.4	P4_10.5	P4_10.6	P4_10.7	P4_12.4	P4_14.4	P4_17.14
P4_18.10	P4_19.1	P4_19.2	P4_19.3	P4_19.4	P4_19.5	P4_19.6	P4_19.7	P4_19.8	P4_19.9

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R_1.1	R_1.2	R_1.3	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4
R_2.12	R_2.13	R_2.14	R_2.15	R_3.1	R_3.2	R_3.3	R_3.4	R_3.11	R_3.12
R_3.13	R_3.14	R_4.2	R_4.3	R_4.4	R_4.5	R_4.11	R_4.12	R_4.13	R_4.14
R_5.2	R_5.3	R_5.4	R_5.5	R_5.10	R_5.11	R_5.12	R_5.13	R_6.3	R_6.4
R_6.5	R_6.6	R_6.10	R_6.11	R_6.12	R_6.13	R_7.3	R_7.4	R_7.5	R_7.6
R_7.9	R_7.10	R_7.11	R_7.12	R_8.4	R_8.5	R_8.6	R_8.7	R_8.9	R_8.10
R_8.11	R_8.12	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11
R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_11.5	R_11.6	R_11.7
R_11.8	R_11.9	R_11.10	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_13.6	R_13.7
R_13.8	R_13.9	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11
R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_18.4	R_18.5
R_18.6	R_18.7	R_18.9	R_18.10	R_18.11	R_18.12	R_19.3	R_19.4	R_19.5	R_19.6
R_19.9	R_19.10	R_19.11	R_19.12	R_20.3	R_20.4	R_20.5	R_20.6	R_20.10	R_20.11
R_20.12	R_20.13	R_21.2	R_21.3	R_21.4	R_21.5	R_21.10	R_21.11	R_21.12	R_21.13
R_22.2	R_22.3	R_22.4	R_22.5	R_22.11	R_22.12	R_22.13	R_22.14	R_23.1	R_23.2
R_23.3	R_23.4	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3	R_24.4
R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.12	R_25.13	R_25.14
P1_4.1	P1_5.1	P1_6.2	P1_7.2	P1_8.3	P1_9.3	P1_10.4	P1_11.4	P1_12.5	P1_13.5
P1_18.8	P1_19.8	P1_20.9	P1_21.9	P1_22.10	P1_23.10	P1_24.11	P1_25.11	P2_4.15	P2_5.14
P2_6.14	P2_7.13	P2_8.13	P2_9.12	P2_10.12	P2_11.11	P2_12.11	P2_13.10	P2_18.8	P2_19.7
P2_20.7	P2_21.6	P2_22.6	P2_23.5	P2_24.5	P2_25.4	P3_1.4	P3_2.5	P3_3.5	P3_4.6
P3_5.6	P3_6.7	P3_7.7	P3_8.8	P3_13.10	P3_14.11	P3_15.11	P3_16.12	P3_17.12	P3_18.13
P3_19.13	P3_20.14	P3_21.14	P3_22.15	P4_1.11	P4_2.11	P4_3.10	P4_4.10	P4_5.9	P4_6.9
P4_7.8	P4_8.8	P4_13.5	P4_14.5	P4_15.4	P4_16.4	P4_17.3	P4_18.3	P4_19.2	P4_20.2
P4_21.1	P4_22.1								

S35

R_1.1	R_1.2	R_1.3	R_2.1	R_2.2	R_2.3	R_2.4	R_3.1	R_3.2	R_3.3
R_3.4	R_4.2	R_4.3	R_4.4	R_4.5	R_5.2	R_5.3	R_5.4	R_5.5	R_6.3
R_6.4	R_6.5	R_6.6	R_7.3	R_7.4	R_7.5	R_7.6	R_8.4	R_8.5	R_8.6
R_8.7	R_9.4	R_9.5	R_9.6	R_9.7	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.5	R_11.6	R_11.7	R_11.8
R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.6	R_13.7	R_13.8	R_13.9
R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10
R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.4	R_17.5	R_17.6	R_17.7
R_18.4	R_18.5	R_18.6	R_18.7	R_19.3	R_19.4	R_19.5	R_19.6	R_20.3	R_20.4
R_20.5	R_20.6	R_21.2	R_21.3	R_21.4	R_21.5	R_22.2	R_22.3	R_22.4	R_22.5
R_23.1	R_23.2	R_23.3	R_23.4	R_24.1	R_24.2	R_24.3	R_24.4	R_25.1	R_25.2
R_25.3	P1_4.1	P1_5.1	P1_6.2	P1_7.2	P1_8.3	P1_9.3	P1_10.4	P1_11.4	P1_12.5
P1_13.5	P1_17.8	P1_17.9	P1_17.10	P1_17.11	P1_17.12	P1_17.13	P1_17.14	P2_17.8	P2_17.9
P2_17.10	P2_17.11	P2_17.12	P2_17.13	P2_17.14	P2_18.8	P2_19.7	P2_20.7	P2_21.6	P2_22.6
P2_23.5	P2_24.5	P2_25.4	P3_1.4	P3_2.5	P3_3.5	P3_4.6	P3_5.6	P3_6.7	P3_7.7
P3_8.8	P3_9.8	P3_9.9	P3_9.10	P3_9.11	P3_9.12	P3_9.13	P3_9.14	P4_9.8	P4_9.9
P4_9.10	P4_9.11	P4_9.12	P4_9.13	P4_9.14	P4_13.5	P4_14.5	P4_15.4	P4_16.4	P4_17.3
P4_18.3	P4_19.2	P4_20.2	P4_21.1	P4_22.1					

S36

R_1.1	R_1.2	R_1.3	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4
R_2.12	R_2.13	R_2.14	R_2.15	R_3.1	R_3.2	R_3.3	R_3.4	R_3.12	R_3.13
R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.12	R_4.13	R_4.14	R_4.15
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2
R_6.3	R_6.4	R_6.5	R_6.6	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2
R_7.3	R_7.4	R_7.5	R_7.6	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.5	R_8.6	R_8.7	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2
R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2
R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.12	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.5	R_11.6	R_11.7	R_11.8	R_11.12	R_11.13	R_11.14
R_12.1	R_12.2	R_12.3	R_12.4	R_12.6	R_12.7	R_12.8	R_12.9	R_12.12	R_12.13
R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.7	R_14.8	R_14.9	R_14.10
R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.9
R_15.10	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.8
R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4
R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3
R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4
R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.10
R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.11	R_22.12
R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.11	R_23.12	R_23.13	R_23.14
R_24.1	R_24.2	R_24.3	R_24.4	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2
R_25.3	R_25.12	R_25.13	R_25.14	P1_3.11	P1_5.11	P1_7.11	P1_9.11	P1_11.4	P1_11.11
P1_12.5	P1_13.5	P1_13.11	P1_14.6	P1_15.6	P1_15.11	P1_16.7	P1_17.7	P1_18.8	P1_19.8
P1_20.9	P1_21.9	P1_22.10	P1_23.10	P1_24.11	P1_25.11	P2_11.4	P2_13.4	P2_15.4	P2_17.4
P2_19.4	P2_21.4	P2_23.4	P2_25.4	P3_1.4	P3_2.5	P3_3.5	P3_4.6	P3_5.6	P3_6.7
P3_7.7	P3_8.8	P3_9.8	P3_10.9	P3_11.4	P3_11.9	P3_12.10	P3_13.4	P3_13.10	P3_14.11
P3_15.4	P3_15.11	P3_17.4	P3_19.4	P3_21.4	P3_23.4	P4_1.11	P4_3.11	P4_5.11	P4_7.11
P4_9.11	P4_11.11	P4_13.11	P4_15.11						

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R_14.3	R_14.4	R_15.2	R_15.3	R_15.4	R_16.2	R_16.3	R_16.4	R_16.5	R_17.1
R_17.2	R_17.3	R_17.4	R_17.5	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6
R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_20.1	R_20.2	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7
R_22.2	R_22.3	R_22.4	R_22.5	R_22.7	R_23.2	R_23.3	R_23.4	R_23.7	R_24.3
R_24.4	R_25.3	P1_22.1	P1_22.6	P1_23.1	P1_23.6	P1_24.2	P1_24.7	P1_25.2	P2_22.6
P2_22.8	P2_23.5	P2_24.5	P2_24.8	P2_25.4	P3_13.3	P3_13.4	P3_14.5	P3_15.5	P3_16.6
P3_17.6	P3_18.7	P3_19.7	P3_20.8	P3_22.8	P4_13.2	P4_13.3	P4_14.2	P4_15.1	P4_16.1

S38

R_1.3	R_2.3	R_2.4	R_3.2	R_3.3	R_3.4	R_4.2	R_4.3	R_4.4	R_4.5
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5
R_6.6	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_8.1	R_8.2	R_8.3	R_8.4
R_8.5	R_8.6	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_10.2	R_10.3	R_10.4
R_10.5	R_11.2	R_11.3	R_11.4	R_12.3	R_12.4	P1_10.1	P1_11.1	P1_12.2	P1_13.2
P1_13.3	P2_7.6	P2_9.6	P2_10.6	P2_11.5	P2_12.5	P2_13.3	P2_13.4	P3_1.4	P3_2.5
P3_3.5	P3_4.6	P3_5.6	P3_7.6	P4_1.2	P4_2.2	P4_3.1	P4_4.1		

S39

R_8.2	R_8.3	R_8.4	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.13
R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.13
R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.10	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1
R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11
R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2
R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.12	R_15.13
R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10
R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6	R_17.13	R_18.2
R_18.3	R_18.4	P1_10.1	P1_15.11	P1_16.1	P1_16.12	P1_17.7	P1_17.8	P1_17.9	P1_17.12
P1_18.1	P1_18.5	P1_18.6	P1_18.13	P1_19.1	P1_19.2	P1_19.3	P2_15.11	P2_16.11	P2_16.15
P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.14	P2_18.5	P2_18.6	P2_18.7	P2_18.14	P2_19.2
P2_19.3	P2_19.4	P3_7.2	P3_7.3	P3_7.4	P3_8.5	P3_8.6	P3_8.7	P3_8.14	P3_9.7
P3_9.8	P3_9.9	P3_9.10	P3_9.14	P3_10.11	P3_10.15	P3_11.11	P4_7.1	P4_7.2	P4_7.3
P4_8.1	P4_8.5	P4_8.6	P4_8.13	P4_9.7	P4_9.8	P4_9.9	P4_9.12	P4_10.1	P4_10.12
P4_11.11	P4_16.1								

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R_2.3	R_2.4	R_2.5	R_3.2	R_3.3	R_3.4	R_3.5	R_4.2	R_4.3	R_4.4
R_4.5	R_4.6	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_6.2	R_6.3
R_6.4	R_6.5	R_6.6	R_6.7	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6
R_7.7	R_8.1	R_8.2	R_8.3	R_8.5	R_8.6	R_8.7	R_8.8	R_9.1	R_9.2
R_9.3	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.13	R_10.1	R_10.2	R_10.3
R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2
R_12.3	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15
R_13.1	R_13.2	R_13.3	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13
R_13.14	R_14.1	R_14.2	R_14.3	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.8	R_15.9	R_15.10	R_15.12	R_15.13
R_15.14	R_16.1	R_16.2	R_16.3	R_16.10	R_16.13	R_16.14	R_17.1	R_17.2	R_17.3
R_17.13	R_18.2	R_18.3	R_18.4	R_19.1	R_19.2	R_19.3	R_20.2	R_20.3	R_20.4
R_21.2	R_21.3	R_21.4	R_22.2	R_22.3	R_22.4	R_23.2	R_23.3	R_23.4	R_24.3
R_24.4	P1_6.1	P1_8.4	P1_9.4	P1_10.5	P1_11.5	P1_12.6	P1_13.6	P1_14.7	P1_15.7
P1_15.11	P1_16.8	P1_16.9	P1_16.12	P1_17.9	P1_17.12	P1_18.1	P1_18.13	P1_20.1	P1_21.1
P1_23.1	P1_24.2	P1_25.2	P1_25.3	P2_8.4	P2_10.4	P2_12.4	P2_14.4	P2_15.11	P2_16.4
P2_16.9	P2_16.11	P2_16.15	P2_17.10	P2_17.14	P2_18.14	P2_19.4	P2_22.5	P2_24.5	P2_25.3
P2_25.4	P3_1.3	P3_1.4	P3_1.5	P3_2.6	P3_3.6	P3_4.7	P3_5.7	P3_6.8	P3_7.8
P3_8.4	P3_8.9	P3_8.10	P3_8.14	P3_9.10	P3_9.14	P3_10.4	P3_10.11	P3_10.15	P3_11.11
P3_12.4	P3_14.4	P3_16.4	P3_17.4	P3_19.4	P3_20.5	P3_22.5	P4_1.2	P4_1.3	P4_1.4
P4_2.2	P4_3.1	P4_4.1	P4_6.1	P4_8.9	P4_8.13	P4_9.12	P4_10.12	P4_11.11	P4_18.1
P4_21.1									

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R_1.3	R_1.10	R_2.3	R_2.4	R_2.10	R_2.11	R_3.2	R_3.3	R_3.4	R_3.9
R_3.10	R_3.11	R_4.2	R_4.3	R_4.4	R_4.5	R_4.9	R_4.10	R_4.11	R_4.12
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10
R_6.11	R_6.12	R_6.13	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5
R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_9.1	R_9.2
R_9.3	R_9.4	R_9.5	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_10.2	R_10.3
R_10.4	R_10.5	R_10.9	R_10.10	R_10.11	R_10.12	R_11.2	R_11.3	R_11.4	R_11.9
R_11.10	R_11.11	R_12.3	R_12.4	R_12.10	R_12.11	R_13.3	R_13.10	P1_9.6	P1_9.7
P1_10.1	P1_10.8	P1_11.1	P1_11.8	P1_12.2	P1_12.9	P1_13.2	P1_13.9	P1_14.3	P1_14.10
P2_7.13	P2_9.6	P2_9.7	P2_9.13	P2_10.6	P2_10.13	P2_11.5	P2_11.12	P2_12.5	P2_12.12
P2_13.4	P2_13.11	P2_14.4	P2_14.11	P3_1.4	P3_1.11	P3_2.5	P3_2.12	P3_3.5	P3_3.12

P3_4.6	P3_4.13	P3_5.6	P3_5.7	P3_5.13	P3_7.13	P4_1.2	P4_1.9	P4_2.2	P4_2.9
P4_3.1	P4_3.8	P4_4.1	P4_4.8	P4_5.6	P4_5.7				

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R_1.3	R_1.10	R_2.3	R_2.4	R_2.10	R_2.11	R_3.2	R_3.3	R_3.4	R_3.9
R_3.10	R_3.11	R_4.2	R_4.3	R_4.4	R_4.5	R_4.9	R_4.10	R_4.11	R_4.12
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10
R_6.11	R_6.12	R_6.13	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_8.1	R_8.2	R_8.3	R_8.4
R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14
R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12
R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.9	R_10.10	R_10.11	R_10.12
R_10.14	R_11.2	R_11.3	R_11.4	R_11.9	R_11.10	R_11.11	R_11.14	R_12.3	R_12.4
R_12.10	R_12.11	R_13.3	R_13.10	P1_9.6	P1_9.7	P1_10.1	P1_10.8	P1_10.13	P1_11.1
P1_11.8	P1_11.13	P1_12.2	P1_12.9	P1_12.14	P1_13.2	P1_13.9	P1_14.3	P1_14.10	P2_9.6
P2_9.7	P2_10.6	P2_10.13	P2_10.15	P2_11.5	P2_11.12	P2_12.5	P2_12.12	P2_12.15	P2_13.4
P2_13.11	P2_14.4	P2_14.11	P3_1.4	P3_1.11	P3_2.5	P3_2.12	P3_3.5	P3_3.12	P3_4.6
P3_4.13	P3_5.6	P3_5.7	P3_5.13	P3_6.14	P3_7.14	P3_8.15	P3_10.15	P4_1.2	P4_1.9
P4_2.2	P4_2.9	P4_3.1	P4_3.8	P4_4.1	P4_4.8	P4_5.6	P4_5.7		

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R_1.3	R_2.3	R_2.4	R_3.2	R_3.3	R_3.4	R_4.2	R_4.3	R_4.4	R_4.5
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5
R_6.6	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_8.1	R_8.2	R_8.3
R_8.4	R_8.5	R_8.6	R_8.7	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6
R_9.7	R_10.2	R_10.3	R_10.4	R_10.5	R_10.7	R_11.2	R_11.3	R_11.4	R_11.7
R_12.3	R_12.4	R_13.2	R_13.3	R_14.3	R_14.4	R_15.2	R_15.3	R_15.4	R_16.2
R_16.3	R_16.4	R_16.5	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_18.1	R_18.2
R_18.3	R_18.4	R_18.5	R_18.6	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6
R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_21.1	R_21.2	R_21.3
R_21.4	R_21.5	R_21.6	R_21.7	R_22.2	R_22.3	R_22.4	R_22.5	R_22.7	R_23.2
R_23.3	R_23.4	R_23.7	R_24.3	R_24.4	R_25.3	P1_10.1	P1_10.6	P1_11.1	P1_11.6
P1_12.2	P1_12.7	P1_14.2	P1_22.1	P1_22.6	P1_23.1	P1_23.6	P1_24.2	P1_24.7	P1_25.2
P2_10.6	P2_10.8	P2_11.5	P2_12.5	P2_12.8	P2_13.4	P2_22.6	P2_22.8	P2_23.5	P2_24.5
P2_24.8	P2_25.4	P3_1.4	P3_2.5	P3_3.5	P3_4.6	P3_5.6	P3_6.7	P3_7.7	P3_8.8
P3_10.8	P3_13.4	P3_14.5	P3_15.5	P3_16.6	P3_17.6	P3_18.7	P3_19.7	P3_20.8	P3_22.8
P4_1.2	P4_2.2	P4_3.1	P4_4.1	P4_12.2	P4_14.2	P4_15.1	P4_16.1		

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R_1.7	R_2.7	R_2.8	R_3.6	R_3.7	R_3.8	R_4.6	R_4.7	R_4.8	R_4.9
R_5.6	R_5.7	R_5.8	R_5.9	R_6.7	R_6.8	R_6.9	R_6.10	R_7.7	R_7.8
R_7.9	R_7.10	R_8.8	R_8.9	R_8.10	R_9.7	R_9.8	R_9.9	R_9.10	R_10.7
R_10.8	R_10.9	R_10.10	R_11.6	R_11.7	R_11.8	R_11.9	R_12.6	R_12.7	R_12.8
R_12.9	R_13.5	R_13.6	R_13.7	R_13.8	R_14.5	R_14.6	R_14.7	R_14.8	R_15.4
R_15.5	R_15.6	R_15.7	R_16.5	R_16.6	R_16.7	R_17.4	R_17.5	R_17.6	R_17.7
R_18.5	R_18.6	R_18.7	R_18.8	R_19.5	R_19.6	R_19.7	R_19.8	R_20.6	R_20.7
R_20.8	R_20.9	R_21.6	R_21.7	R_21.8	R_21.9	R_22.7	R_22.8	R_22.9	R_23.7
R_23.8	R_23.9	R_24.8	R_24.9	R_25.8	P1_5.5	P1_6.6	P1_7.6	P1_8.7	P1_16.4
P1_18.4	P1_19.4	P1_20.5	P1_21.5	P1_22.6	P1_23.6	P1_24.7	P1_25.7	P2_8.11	P2_10.11
P2_11.10	P2_12.10	P2_13.9	P2_14.9	P2_15.8	P2_16.8	P2_22.10	P2_24.10	P2_25.9	P3_1.8
P3_2.9	P3_3.9	P3_4.10	P3_5.10	P3_6.11	P3_8.11	P3_16.8	P3_17.8	P3_18.9	P3_19.9
P3_20.10	P3_22.10	P4_1.6	P4_2.6	P4_3.5	P4_8.7	P4_9.6	P4_10.6	P4_11.5	P4_12.5
P4_13.4	P4_14.4	P4_16.4							

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R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.12	R_2.13	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6
R_3.7	R_3.8	R_3.9	R_3.11	R_3.12	R_3.13	R_4.2	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.12	R_4.13	R_4.14	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.12	R_5.13
R_5.14	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9
R_6.10	R_6.11	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.5	R_7.6
R_7.7	R_7.8	R_7.9	R_7.10	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.5	R_8.6	R_8.7	R_8.9	R_8.10	R_8.11	R_8.13	R_8.14	R_8.15	R_9.1
R_9.2	R_9.3	R_9.5	R_9.6	R_9.9	R_9.10	R_9.12	R_9.13	R_9.14	R_10.1

R_10.2	R_10.3	R_10.5	R_10.6	R_10.7	R_10.9	R_10.10	R_10.11	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.5	R_11.6	R_11.9	R_11.10	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10
R_12.11	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.5	R_13.6	R_13.7
R_13.8	R_13.9	R_13.10	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.6
R_14.7	R_14.8	R_14.9	R_14.10	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.6	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.7	R_16.8	R_16.9	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.7
R_17.8	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.12	R_18.13
R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.11	R_19.12	R_19.13	R_19.14
R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10
R_20.11	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.2
R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12
R_22.13	R_22.14	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9
R_23.10	R_23.11	R_23.12	R_23.13	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8
R_24.9	R_24.10	R_24.11	R_24.12	R_24.13	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7
R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	P1_4.11	P1_5.11	P1_6.12	P1_7.4	P1_8.8
P1_8.12	P1_9.4	P1_9.8	P1_10.12	P1_11.4	P1_11.8	P1_12.12	P1_13.4	P1_14.5	P1_14.12
P1_15.5	P1_16.6	P1_16.12	P1_17.6	P1_18.7	P1_18.8	P1_22.1	P1_23.1	P1_24.2	P1_25.2
P2_7.4	P2_7.11	P2_8.4	P2_8.8	P2_9.7	P2_9.11	P2_10.4	P2_11.7	P2_11.11	P2_12.4
P2_13.11	P2_14.4	P2_14.11	P2_15.10	P2_16.4	P2_16.10	P2_17.9	P2_18.8	P2_18.9	P2_22.15
P2_23.14	P2_24.14	P2_25.13	P3_1.9	P3_1.12	P3_1.13	P3_2.10	P3_2.14	P3_3.10	P3_3.14
P3_4.11	P3_4.15	P3_5.11	P3_7.11	P3_8.4	P3_9.7	P3_9.11	P3_10.4	P3_11.7	P3_11.8
P3_11.11	P3_12.4	P3_14.4	P3_16.4	P3_17.4	P3_18.5	P3_19.5	P3_19.6	P3_19.7	P3_19.8
P3_19.9	P3_19.10	P4_1.2	P4_1.11	P4_1.12	P4_2.2	P4_2.11	P4_3.1	P4_4.1	P4_6.12
P4_7.4	P4_8.12	P4_9.4	P4_9.8	P4_10.12	P4_11.4	P4_11.7	P4_11.8	P4_12.12	P4_14.12
P4_16.12	P4_17.11	P4_18.11	P4_19.5	P4_19.6	P4_19.7	P4_19.8	P4_19.9	P4_19.10	

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R_1.3	R_1.4	R_1.5	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5	R_2.10	R_2.11
R_3.3	R_3.4	R_3.5	R_3.9	R_3.10	R_3.11	R_4.2	R_4.3	R_4.4	R_4.5
R_4.10	R_4.11	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8
R_5.9	R_5.10	R_5.11	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8
R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4
R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14
R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11
R_8.12	R_8.13	R_8.14	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10
R_9.11	R_9.12	R_9.13	R_9.14	R_10.4	R_10.5	R_10.6	R_10.10	R_10.11	R_10.12
R_10.13	R_10.14	R_11.4	R_11.5	R_11.10	R_11.11	R_12.4	R_12.5	R_12.6	R_12.10
R_12.11	R_12.12	R_13.4	R_13.5	R_13.10	R_13.11	R_14.4	R_14.5	R_14.6	R_14.10
R_14.11	R_14.12	R_15.4	R_15.5	R_15.10	R_15.11	R_16.2	R_16.3	R_16.4	R_16.5
R_16.6	R_16.10	R_16.11	R_16.12	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6
R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6
R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_19.1	R_19.2
R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12
R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9
R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.5	R_22.6	R_22.11	R_22.12
R_22.13	R_22.14	R_23.4	R_23.5	R_23.6	R_23.10	R_23.11	R_23.12	R_24.5	R_24.6
R_24.11	R_24.12	R_25.4	R_25.5	R_25.6	R_25.10	R_25.11	R_25.12	P1_2.3	P1_2.9
P1_4.9	P1_6.1	P1_8.1	P1_9.1	P1_9.2	P1_9.3	P1_10.7	P1_10.8	P1_10.9	P1_11.3
P1_11.9	P1_11.12	P1_11.13	P1_13.3	P1_13.9	P1_15.3	P1_15.9	P1_18.1	P1_20.1	P1_21.1
P1_21.2	P1_21.3	P1_22.4	P1_22.7	P1_22.8	P1_22.9	P1_22.10	P1_23.13	P1_24.4	P1_24.10
P2_2.6	P2_2.12	P2_4.6	P2_4.12	P2_8.15	P2_9.2	P2_9.3	P2_10.7	P2_10.8	P2_10.9
P2_10.15	P2_11.6	P2_11.12	P2_11.13	P2_11.14	P2_13.6	P2_13.12	P2_15.6	P2_15.12	P2_17.12
P2_20.15	P2_21.2	P2_21.3	P2_22.7	P2_22.8	P2_22.9	P2_22.10	P2_22.15	P2_23.13	P2_23.14
P2_24.7	P2_24.13	P3_2.6	P3_2.12	P3_3.2	P3_4.6	P3_4.7	P3_4.8	P3_4.9	P3_4.12
P3_5.12	P3_5.13	P3_5.14	P3_6.15	P3_8.15	P3_11.6	P3_11.12	P3_13.6	P3_13.12	P3_15.2
P3_15.3	P3_15.6	P3_15.12	P3_16.7	P3_16.8	P3_16.9	P3_17.12	P3_17.13	P3_17.14	P3_18.15
P3_20.15	P3_22.7	P3_24.7	P3_24.13	P4_2.3	P4_2.9	P4_3.1	P4_3.2	P4_4.1	P4_4.6
P4_4.7	P4_4.8	P4_4.9	P4_5.12	P4_5.13	P4_6.1	P4_9.3	P4_11.3	P4_11.9	P4_13.3
P4_13.9	P4_15.1	P4_15.2	P4_15.3	P4_15.9	P4_16.1	P4_16.7	P4_16.8	P4_16.9	P4_17.12
P4_17.13	P4_18.1	P4_22.4	P4_22.10	P4_24.4	P4_24.10				

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R_1.9	R_1.10	R_1.11	R_1.12	R_2.3	R_2.4	R_2.9	R_2.10	R_2.11	R_2.12
R_2.13	R_3.2	R_3.3	R_3.4	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13

R_4.2	R_4.3	R_4.4	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14
R_5.2	R_5.3	R_5.4	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.8	R_6.9	R_6.10	R_6.12	R_6.13	R_6.14	R_7.2
R_7.3	R_7.4	R_7.7	R_7.8	R_7.9	R_7.12	R_7.13	R_7.14	R_8.2	R_8.3
R_8.4	R_8.7	R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3
R_9.7	R_9.8	R_9.9	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.7
R_10.8	R_10.9	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2
R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4
R_16.7	R_16.8	R_16.9	R_16.12	R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.6
R_17.7	R_17.8	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.7	R_18.8
R_18.9	R_18.12	R_18.13	R_18.14	R_19.1	R_19.2	R_19.3	R_19.6	R_19.7	R_19.8
R_19.11	R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.6	R_20.7	R_20.8	R_20.9
R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.11	R_21.12	R_21.13	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8
R_22.12	R_22.13	R_22.14	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.11
R_23.12	R_23.13	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.11	R_24.12	R_24.13
R_25.3	R_25.4	R_25.5	R_25.6	R_25.11	R_25.12	P1_5.1	P1_6.7	P1_6.11	P1_7.1
P1_7.11	P1_9.6	P1_9.11	P1_10.1	P1_16.1	P1_16.5	P1_16.6	P1_16.10	P1_16.11	P1_17.11
P1_18.1	P1_18.6	P1_20.1	P1_20.11	P1_21.1	P1_22.11	P1_23.1	P1_24.2	P1_25.2	P1_25.10
P2_4.5	P2_5.14	P2_6.5	P2_6.11	P2_7.10	P2_8.5	P2_8.10	P2_8.15	P2_9.4	P2_10.10
P2_10.15	P2_16.5	P2_16.6	P2_16.10	P2_16.11	P2_16.15	P2_17.4	P2_17.9	P2_18.15	P2_19.4
P2_19.9	P2_19.14	P2_21.9	P2_21.14	P2_22.9	P2_23.8	P2_23.14	P2_24.8	P2_24.14	P2_25.7
P2_25.13	P3_1.3	P3_1.4	P3_1.13	P3_2.5	P3_2.14	P3_3.14	P3_4.5	P3_5.14	P3_6.5
P3_6.15	P3_8.10	P3_8.15	P3_9.4	P3_10.5	P3_10.6	P3_10.10	P3_10.11	P3_10.15	P3_16.15
P3_17.4	P3_17.9	P3_19.4	P3_19.9	P3_19.14	P3_20.5	P3_21.14	P4_1.2	P4_1.3	P4_1.8
P4_2.2	P4_2.8	P4_3.1	P4_3.7	P4_4.7	P4_5.1	P4_6.7	P4_7.1	P4_7.6	P4_7.11
P4_8.1	P4_9.6	P4_9.11	P4_10.1	P4_10.5	P4_10.6	P4_10.10	P4_10.11	P4_16.1	P4_16.6
P4_17.11	P4_18.1	P4_18.6	P4_18.11	P4_19.5	P4_20.5	P4_20.11	P4_21.1	P4_22.11	P4_23.10

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R_1.2	R_1.3	R_2.2	R_2.3	R_2.4	R_3.1	R_3.2	R_3.3	R_3.4	R_3.10
R_3.11	R_3.12	R_4.2	R_4.3	R_4.4	R_4.5	R_4.10	R_4.11	R_4.12	R_4.13
R_5.2	R_5.3	R_5.4	R_5.5	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.3
R_6.4	R_6.5	R_6.6	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_7.3
R_7.4	R_7.5	R_7.6	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.3
R_8.4	R_8.5	R_8.6	R_8.7	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14
R_8.15	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10
R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8
R_10.9	R_10.10	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2
R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.13	R_12.14
R_12.15	R_13.1	R_13.2	R_13.3	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10
R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.5
R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1
R_16.2	R_16.3	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_16.14	R_17.1	R_17.2	R_17.3	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10
R_17.11	R_17.12	R_17.13	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7
R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5
R_19.6	R_19.9	R_19.10	R_19.11	R_19.12	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6
R_20.7	R_20.10	R_20.11	R_20.12	R_20.13	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.11	R_22.12
R_22.13	R_22.14	R_23.3	R_23.4	R_23.5	R_23.11	R_23.12	R_23.13	R_23.14	R_24.12
R_24.13	R_24.14	R_25.12	R_25.13	P1_4.1	P1_5.1	P1_6.2	P1_7.2	P1_7.8	P1_9.11
P1_10.12	P1_12.12	P1_13.4	P1_14.5	P1_16.5	P1_18.8	P1_19.8	P1_20.1	P1_20.9	P1_21.1
P1_21.9	P1_22.2	P1_22.10	P1_23.2	P1_23.10	P1_24.3	P1_24.4	P1_24.5	P1_24.11	P1_25.11
P2_9.11	P2_10.11	P2_12.11	P2_13.4	P2_14.4	P2_16.4	P2_16.15	P2_17.14	P2_18.8	P2_18.14
P2_19.7	P2_19.13	P2_21.7	P2_22.7	P2_23.6	P2_24.4	P2_24.5	P2_24.6	P2_24.15	P2_25.14
P3_1.4	P3_2.5	P3_2.11	P3_2.12	P3_2.13	P3_3.5	P3_3.13	P3_4.6	P3_4.14	P3_5.6
P3_5.14	P3_6.7	P3_6.15	P3_7.7	P3_8.8	P3_10.11	P3_12.11	P3_13.11	P3_14.4	P3_16.4
P3_17.4	P3_19.7	P3_19.13	P3_20.14	P3_21.14	P3_22.15	P4_1.1	P4_2.1	P4_2.10	P4_2.11
P4_2.12	P4_3.9	P4_4.9	P4_5.8	P4_7.2	P4_7.8	P4_8.2	P4_8.8	P4_9.1	P4_10.1
P4_10.12	P4_12.12	P4_13.11	P4_14.5	P4_16.5	P4_17.4				

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R_2.7	R_3.6	R_3.7	R_4.6	R_4.7	R_4.8	R_5.5	R_5.6	R_5.7	R_5.8
R_6.5	R_6.6	R_6.7	R_6.8	R_7.4	R_7.5	R_7.6	R_7.7	R_8.4	R_8.5
R_8.6	R_8.7	R_9.3	R_9.4	R_9.5	R_9.6	R_10.3	R_10.4	R_10.5	R_10.6
R_11.2	R_11.3	R_11.4	R_11.5	R_12.2	R_12.3	R_12.4	R_12.5	R_13.1	R_13.2
R_13.3	R_13.4	R_14.2	R_14.3	R_14.4	R_14.5	R_15.2	R_15.3	R_15.4	R_15.5
R_16.3	R_16.4	R_16.5	R_16.6	R_17.3	R_17.4	R_17.5	R_17.6	R_18.4	R_18.5
R_18.6	R_18.7	R_19.4	R_19.5	R_19.6	R_19.7	R_20.5	R_20.6	R_20.7	R_20.8
R_21.5	R_21.6	R_21.7	R_21.8	R_22.6	R_22.7	R_22.8	R_23.6	R_23.7	R_24.7
P1_14.1	P1_15.1	P1_16.2	P1_17.2	P1_18.3	P1_19.3	P1_20.4	P1_21.4	P1_22.5	P1_23.5
P1_24.6	P1_25.6	P2_6.9	P2_7.8	P2_8.8	P2_9.7	P2_10.7	P2_11.6	P2_12.6	P2_13.5
P2_22.9	P2_23.8	P2_24.8	P2_25.7	P3_1.7	P3_2.8	P3_3.8	P3_4.9	P3_13.5	P3_14.6
P3_15.6	P3_16.7	P3_17.7	P3_18.8	P3_19.8	P3_20.9	P4_1.6	P4_2.6	P4_3.5	P4_4.5
P4_5.4	P4_6.4	P4_7.3	P4_8.3	P4_9.2	P4_10.2	P4_11.1	P4_12.1		

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R_1.10	R_1.13	R_1.14	R_2.10	R_2.11	R_2.13	R_2.14	R_2.15	R_3.9	R_3.10
R_3.11	R_3.12	R_3.13	R_3.14	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15
R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.11	R_6.12	R_6.13	R_6.14	R_7.10
R_7.11	R_7.12	R_7.13	R_8.3	R_8.4	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14
R_9.2	R_9.3	R_9.4	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.2
R_10.3	R_10.4	R_10.5	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.8	R_11.9	R_11.10	R_11.12	R_11.13
R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.8	R_12.9	R_12.10	R_12.13
R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.5	R_15.6	R_15.7
R_15.8	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.6	R_16.7	R_16.8
R_16.9	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.6	R_17.7	R_17.8	R_17.9
R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.6	R_18.7	R_18.8	R_18.9
R_18.10	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.5	R_19.6	R_19.7
R_19.8	R_19.9	R_19.10	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.1
R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12
R_21.13	R_21.14	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.9	R_22.10	R_22.11
R_22.12	R_22.13	R_22.14	R_23.2	R_23.3	R_23.4	R_23.5	R_23.9	R_23.10	R_23.11
R_23.12	R_23.13	R_24.3	R_24.4	R_24.5	R_24.10	R_24.11	R_24.12	R_24.13	R_25.10
R_25.11	R_25.12	P1_4.9	P1_5.9	P1_6.10	P1_11.11	P1_12.1	P1_12.12	P1_14.4	P1_14.12
P1_15.4	P1_16.5	P1_16.12	P1_17.5	P1_18.12	P1_20.1	P1_21.7	P1_22.1	P1_22.8	P1_23.1
P1_23.8	P1_24.2	P1_24.9	P1_25.2	P1_25.3	P1_25.4	P1_25.9	P2_6.15	P2_7.14	P2_11.11
P2_12.11	P2_13.10	P2_14.4	P2_14.10	P2_15.3	P2_15.9	P2_17.3	P2_20.15	P2_21.7	P2_22.7
P2_22.15	P2_23.6	P2_23.14	P2_24.6	P2_24.14	P2_25.3	P2_25.4	P2_25.5	P2_25.13	P3_1.11
P3_2.12	P3_7.3	P3_7.4	P3_7.14	P3_8.5	P3_8.15	P3_9.5	P3_10.6	P3_11.6	P3_12.7
P3_15.3	P3_15.9	P3_16.10	P3_17.3	P3_17.10	P3_18.4	P3_18.11	P3_19.4	P3_19.11	P3_20.15
P4_1.9	P4_1.12	P4_2.9	P4_2.12	P4_6.10	P4_7.2	P4_7.3	P4_7.9	P4_8.2	P4_8.9
P4_9.1	P4_9.8	P4_10.1	P4_10.8	P4_11.7	P4_12.1	P4_12.7	P4_12.12	P4_14.12	P4_16.12
P4_17.5	P4_18.5	P4_18.12	P4_19.4	P4_19.11	P4_20.1				

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R_2.8	R_3.7	R_3.8	R_4.7	R_4.8	R_4.9	R_5.6	R_5.7	R_5.8	R_5.9
R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_7.6	R_7.7	R_7.8	R_7.9	R_8.6
R_8.7	R_8.8	R_8.9	R_8.10	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10
R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_11.4	R_11.5	R_11.6
R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_12.4	R_12.5	R_12.6	R_12.7	R_12.9
R_12.10	R_12.11	R_12.12	R_13.4	R_13.5	R_13.6	R_13.9	R_13.10	R_13.11	R_14.4
R_14.5	R_14.6	R_14.10	R_14.11	R_14.12	R_15.3	R_15.4	R_15.5	R_15.6	R_15.9
R_15.10	R_15.11	R_15.12	R_16.3	R_16.4	R_16.5	R_16.6	R_16.10	R_16.11	R_16.12
R_16.13	R_17.2	R_17.3	R_17.4	R_17.5	R_17.10	R_17.11	R_17.12	R_17.13	R_18.2
R_18.3	R_18.4	R_18.5	R_18.11	R_18.12	R_18.13	R_18.14	R_19.2	R_19.3	R_19.4
R_19.11	R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.12	R_20.13	R_20.14	R_21.1
R_21.2	R_21.3	R_21.4	R_21.11	R_21.12	R_21.13	R_21.14	R_22.2	R_22.3	R_22.4
R_22.12	R_22.13	R_22.14	R_23.2	R_23.3	R_23.12	R_23.13	R_24.3	R_24.13	P1_7.5
P1_12.8	P1_13.3	P1_13.8	P1_14.9	P1_16.9	P1_17.9	P1_18.10	P1_19.1	P1_19.10	P1_20.11
P1_22.1	P1_22.11	P1_23.1	P1_23.11	P1_24.2	P1_24.12	P1_25.2	P1_25.12	P2_7.10	P2_12.8
P2_13.7	P2_13.12	P2_14.7	P2_16.7	P2_17.6	P2_18.6	P2_19.5	P2_19.14	P2_20.5	P2_22.5
P2_22.15	P2_23.4	P2_23.14	P2_24.4	P2_24.14	P2_25.3	P2_25.13	P3_1.8	P3_2.9	P3_3.9

P3_4.10	P3_5.10	P3_7.10	P3_8.11	P3_9.11	P3_10.12	P3_11.12	P3_13.12	P3_14.7	P3_14.13
P3_15.13	P3_16.14	P3_17.14	P3_19.14	P3_20.5	P3_20.15	P4_1.7	P4_2.7	P4_3.6	P4_4.6
P4_5.5	P4_7.5	P4_8.5	P4_9.4	P4_10.4	P4_11.3	P4_13.3	P4_14.3	P4_14.9	P4_15.2
P4_16.2	P4_17.1	P4_19.1	P4_20.1	P4_20.11					

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R_2.7	R_2.8	R_2.9	R_3.7	R_3.8	R_3.9	R_4.7	R_4.8	R_4.9	R_5.7
R_5.8	R_5.9	R_6.7	R_6.8	R_6.9	R_7.7	R_7.8	R_7.9	R_8.7	R_8.8
R_8.9	R_9.7	R_9.8	R_9.9	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_10.13	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8
R_11.9	R_11.10	R_11.11	R_11.12	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_13.10	R_13.11	R_13.12	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.13	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8
R_15.9	R_15.10	R_15.11	R_15.12	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_16.13	R_17.7	R_17.8	R_17.9	R_18.7	R_18.8	R_18.9
R_19.7	R_19.8	R_19.9	R_20.7	R_20.8	R_20.9	R_21.7	R_21.8	R_21.9	R_22.7
R_22.8	R_22.9	R_23.7	R_23.8	R_23.9	R_24.7	R_24.8	R_24.9	P1_3.6	P1_5.6
P1_7.6	P1_9.6	P1_12.3	P1_14.3	P1_16.3	P1_17.3	P1_17.4	P1_17.5	P1_17.6	P1_17.10
P1_17.11	P1_17.12	P1_19.6	P1_21.6	P1_23.6	P1_25.6	P1_25.7	P1_25.8	P2_4.10	P2_6.10
P2_8.10	P2_11.13	P2_13.13	P2_15.13	P2_17.4	P2_17.5	P2_17.6	P2_17.10	P2_17.11	P2_17.12
P2_17.13	P2_18.10	P2_20.10	P2_22.10	P2_24.10	P2_25.7	P2_25.8	P2_25.9	P3_1.7	P3_1.8
P3_1.9	P3_2.10	P3_4.10	P3_6.10	P3_8.10	P3_9.4	P3_9.5	P3_9.6	P3_9.10	P3_9.11
P3_9.12	P3_9.13	P3_11.13	P3_13.13	P3_15.13	P3_18.10	P3_20.10	P3_22.10	P4_1.6	P4_1.7
P4_1.8	P4_3.6	P4_5.6	P4_7.6	P4_9.3	P4_9.4	P4_9.5	P4_9.6	P4_9.10	P4_9.11
P4_9.12	P4_10.3	P4_12.3	P4_14.3	P4_17.6	P4_19.6	P4_21.6	P4_23.6		

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R_2.7	R_2.8	R_2.9	R_3.7	R_3.8	R_3.9	R_4.7	R_4.8	R_4.9	R_5.7
R_5.8	R_5.9	R_6.7	R_6.8	R_6.9	R_7.7	R_7.8	R_7.9	R_8.7	R_8.8
R_8.9	R_9.7	R_9.8	R_9.9	R_10.7	R_10.8	R_10.9	R_11.7	R_11.8	R_11.9
R_12.7	R_12.8	R_12.9	R_13.7	R_13.8	R_13.9	R_14.7	R_14.8	R_14.9	R_15.7
R_15.8	R_15.9	R_16.7	R_16.8	R_16.9	R_17.7	R_17.8	R_17.9	R_18.7	R_18.8
R_18.9	R_19.7	R_19.8	R_19.9	R_20.7	R_20.8	R_20.9	R_21.7	R_21.8	R_21.9
R_22.7	R_22.8	R_22.9	R_23.7	R_23.8	R_23.9	R_24.7	R_24.8	R_24.9	P1_3.6
P1_5.6	P1_7.6	P1_9.6	P1_11.6	P1_13.6	P1_15.6	P1_17.6	P1_19.6	P1_21.6	P1_23.6
P1_25.6	P1_25.7	P1_25.8	P2_4.10	P2_6.10	P2_8.10	P2_10.10	P2_12.10	P2_14.10	P2_16.10
P2_18.10	P2_20.10	P2_22.10	P2_24.10	P2_25.7	P2_25.8	P2_25.9	P3_1.7	P3_1.8	P3_1.9
P3_2.10	P3_4.10	P3_6.10	P3_8.10	P3_10.10	P3_12.10	P3_14.10	P3_16.10	P3_18.10	P3_20.10
P3_22.10	P4_1.6	P4_1.7	P4_1.8	P4_3.6	P4_5.6	P4_7.6	P4_9.6	P4_11.6	P4_13.6
P4_15.6	P4_17.6	P4_19.6	P4_21.6	P4_23.6					

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R_3.10	R_4.5	R_4.6	R_4.10	R_4.11	R_5.4	R_5.5	R_5.6	R_5.9	R_5.10
R_5.11	R_6.4	R_6.5	R_6.6	R_6.7	R_6.9	R_6.10	R_6.11	R_6.12	R_7.4
R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_8.5	R_8.6	R_8.7
R_8.8	R_8.9	R_8.10	R_8.11	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10
R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7
R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_13.10	R_13.11	R_13.12	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_17.5	R_17.6
R_17.7	R_17.8	R_17.9	R_17.10	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10
R_18.11	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_20.4
R_20.5	R_20.6	R_20.7	R_20.9	R_20.10	R_20.11	R_20.12	R_21.4	R_21.5	R_21.6
R_21.9	R_21.10	R_21.11	R_22.5	R_22.6	R_22.10	R_22.11	R_23.5	R_23.10	P1_7.3
P1_8.4	P1_9.4	P1_10.5	P1_12.3	P1_14.3	P1_16.3	P1_16.4	P1_16.5	P1_16.11	P1_16.12
P1_20.8	P1_21.3	P1_21.8	P1_22.4	P1_22.9	P1_23.4	P1_23.9	P1_24.5	P1_24.10	P2_7.12
P2_8.12	P2_9.11	P2_10.11	P2_12.13	P2_14.13	P2_16.4	P2_16.5	P2_16.11	P2_16.12	P2_16.13
P2_20.8	P2_21.7	P2_21.12	P2_22.7	P2_22.12	P2_23.6	P2_23.11	P2_24.6	P2_24.11	P3_2.11
P3_3.5	P3_3.6	P3_3.11	P3_4.7	P3_4.12	P3_5.7	P3_5.12	P3_6.8	P3_10.4	P3_10.5
P3_10.11	P3_10.12	P3_10.13	P3_12.13	P3_14.13	P3_16.11	P3_17.11	P3_18.12	P3_19.12	P4_2.10
P4_3.4	P4_3.5	P4_3.9	P4_4.4	P4_4.9	P4_5.3	P4_5.8	P4_6.8	P4_10.3	P4_10.4
P4_10.5	P4_10.11	P4_10.12	P4_12.3	P4_14.3	P4_16.5	P4_17.4	P4_18.4	P4_19.3	

S55

R_1.2	R_1.3	R_2.2	R_2.3	R_2.4	R_3.1	R_3.2	R_3.3	R_3.4	R_4.2
R_4.3	R_4.4	R_4.5	R_5.2	R_5.3	R_5.4	R_5.5	R_6.3	R_6.4	R_6.5
R_6.6	R_7.3	R_7.4	R_7.5	R_7.6	R_8.4	R_8.5	R_8.6	R_8.7	R_9.4
R_9.5	R_9.6	R_9.7	R_10.5	R_10.6	R_10.7	R_10.8	R_11.5	R_11.6	R_11.7
R_11.8	R_12.6	R_12.7	R_12.8	R_12.9	R_13.6	R_13.7	R_13.8	R_13.9	R_14.7
R_14.8	R_14.9	R_14.10	R_15.7	R_15.8	R_15.9	R_15.10	R_16.8	R_16.9	R_16.10
R_16.11	R_17.8	R_17.9	R_17.10	R_17.11	R_18.9	R_18.10	R_18.11	R_18.12	R_19.9
R_19.10	R_19.11	R_19.12	R_20.10	R_20.11	R_20.12	R_20.13	R_21.10	R_21.11	R_21.12
R_21.13	R_22.11	R_22.12	R_22.13	R_22.14	R_23.11	R_23.12	R_23.13	R_23.14	R_24.12
R_24.13	R_24.14	R_25.12	R_25.13	P1_4.1	P1_5.1	P1_6.2	P1_7.2	P1_8.3	P1_9.3
P1_10.4	P1_11.4	P1_12.5	P1_13.5	P1_14.6	P1_15.6	P1_16.7	P1_17.7	P1_18.8	P1_19.8
P1_20.9	P1_21.9	P1_22.10	P1_23.10	P1_24.11	P1_25.11	P2_24.15	P2_25.14	P3_1.4	P3_2.5
P3_3.5	P3_4.6	P3_5.6	P3_6.7	P3_7.7	P3_8.8	P3_9.8	P3_10.9	P3_11.9	P3_12.10
P3_13.10	P3_14.11	P3_15.11	P3_16.12	P3_17.12	P3_18.13	P3_19.13	P3_20.14	P3_21.14	P3_22.15
P4_1.1	P4_2.1								

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R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10
R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5
R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1
R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11
R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6
R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2
R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12
R_16.13	R_16.14	R_16.15	P1_17.1	P1_17.2	P1_17.3	P1_17.4	P1_17.5	P1_17.6	P1_17.7
P1_17.8	P1_17.9	P1_17.10	P1_17.11	P1_17.12	P1_17.13	P1_17.14	P2_17.1	P2_17.2	P2_17.3
P2_17.4	P2_17.5	P2_17.6	P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.11	P2_17.12	P2_17.13
P2_17.14	P3_11.1	P3_11.2	P3_11.3	P3_11.4	P3_11.5	P3_11.6	P3_11.7	P3_11.8	P3_11.9
P3_11.10	P3_11.11	P3_11.12	P3_11.13	P3_11.14	P4_11.1	P4_11.2	P4_11.3	P4_11.4	P4_11.5
P4_11.6	P4_11.7	P4_11.8	P4_11.9	P4_11.10	P4_11.11	P4_11.12	P4_11.13	P4_11.14	

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R_7.1	R_7.14	R_8.1	R_8.2	R_8.14	R_8.15	R_9.1	R_9.2	R_9.13	R_9.14
R_10.1	R_10.2	R_10.3	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4
R_11.11	R_11.12	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7
R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12
R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_17.6	R_17.7	R_17.8
R_17.9	P1_12.1	P1_13.1	P1_14.2	P1_15.2	P1_16.3	P1_16.4	P1_16.12	P1_17.4	P1_17.5
P1_17.10	P1_18.6	P1_18.7	P1_18.8	P1_18.9	P2_12.15	P2_13.14	P2_14.14	P2_15.13	P2_16.4
P2_16.12	P2_16.13	P2_17.5	P2_17.10	P2_17.11	P2_18.7	P2_18.8	P2_18.9	P2_18.10	P3_6.2
P3_6.15	P3_7.2	P3_8.3	P3_9.3	P3_10.4	P3_10.5	P3_10.12	P3_11.5	P3_11.6	P3_11.7
P3_11.8	P3_11.9	P3_11.10	P4_6.1	P4_6.14	P4_7.13	P4_8.13	P4_9.12	P4_10.4	P4_10.11
P4_10.12	P4_11.5	P4_11.6	P4_11.7	P4_11.8	P4_11.9	P4_11.10			

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R_6.1	R_6.2	R_6.3	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2	R_7.3	R_7.12
R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2
R_9.3	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4
R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14
R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9
R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5
R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15
R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10
R_15.11	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6
R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	P1_8.12
P1_10.12	P1_17.1	P1_17.2	P1_17.3	P1_17.4	P1_17.5	P1_17.6	P1_17.7	P1_17.8	P1_17.9
P1_17.10	P1_17.11	P1_17.12	P1_17.13	P1_17.14	P2_8.4	P2_10.4	P2_17.1	P2_17.2	P2_17.3
P2_17.4	P2_17.5	P2_17.6	P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.11	P2_17.12	P2_17.13
P2_17.14	P3_5.1	P3_5.2	P3_5.3	P3_5.13	P3_5.14	P3_6.4	P3_8.4	P3_10.4	P3_11.4
P3_11.5	P3_11.6	P3_11.7	P3_11.8	P3_11.9	P3_11.10	P3_11.11	P4_5.1	P4_5.2	P4_5.12
P4_5.13	P4_5.14	P4_6.12	P4_8.12	P4_10.12	P4_11.4	P4_11.5	P4_11.6	P4_11.7	P4_11.8
P4_11.9	P4_11.10	P4_11.11							

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R_5.2	R_5.3	R_5.12	R_5.13	R_6.2	R_6.3	R_6.13	R_6.14	R_7.1	R_7.2
R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2
R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2
R_11.3	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.7	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12
R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6
R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_16.3	R_16.4	R_16.5
R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_17.6	R_17.7
R_17.8	R_17.9	R_18.7	R_18.8	R_18.9	R_19.7	R_19.8	R_20.7	R_20.8	R_20.9
R_21.7	R_21.8	R_22.8	P1_6.12	P1_7.12	P1_9.12	P1_14.1	P1_15.1	P1_16.2	P1_17.2
P1_17.3	P1_17.4	P1_17.5	P1_17.10	P1_17.11	P1_17.12	P1_18.6	P1_19.6	P1_21.6	P1_22.7
P1_23.7	P2_6.4	P2_7.3	P2_9.3	P2_14.15	P2_15.14	P2_16.14	P2_17.3	P2_17.4	P2_17.5
P2_17.10	P2_17.11	P2_17.12	P2_17.13	P2_18.10	P2_19.9	P2_21.9	P2_22.9	P2_23.8	P3_4.3
P3_4.4	P3_4.13	P3_4.14	P3_5.14	P3_6.15	P3_7.3	P3_9.3	P3_10.4	P3_11.4	P3_11.5
P3_11.6	P3_11.7	P3_11.9	P3_11.10	P3_11.11	P3_12.8	P3_19.9	P4_4.2	P4_4.3	P4_4.12
P4_4.13	P4_5.1	P4_6.1	P4_7.12	P4_9.12	P4_10.12	P4_11.4	P4_11.5	P4_11.6	P4_11.8
P4_11.9	P4_11.10	P4_11.11	P4_12.8	P4_19.6					

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R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8	R_2.9
R_2.10	R_2.11	R_2.12	R_2.13	R_3.1	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6
R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13	R_4.2	R_4.3	R_4.4
R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14
R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10
R_5.11	R_5.12	R_5.13	R_5.14	R_6.2	R_6.3	R_6.4	R_6.12	R_6.13	R_6.14
R_7.2	R_7.3	R_7.4	R_7.11	R_7.12	R_7.13	R_7.14	R_8.2	R_8.3	R_8.4
R_8.12	R_8.13	R_8.14	R_9.2	R_9.3	R_9.4	R_9.11	R_9.12	R_9.13	R_9.14
R_10.3	R_10.4	R_10.5	R_10.12	R_10.13	R_10.14	R_11.2	R_11.3	R_11.4	R_11.12
R_11.13	R_12.3	R_12.4	R_12.5	R_12.13	R_13.2	R_13.3	R_13.4	R_13.5	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12
R_15.13	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11
R_16.12	R_16.13	R_16.14	R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9
R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7
R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.12	R_19.13
R_19.14	R_20.12	R_20.13	R_20.14	R_20.15	R_21.12	R_21.13	R_21.14	R_22.12	R_22.13
R_22.14	R_22.15	R_23.12	R_23.13	R_23.14	R_24.13	R_24.14	R_25.13	P1_2.1	P1_4.1
P1_6.1	P1_6.5	P1_6.6	P1_6.7	P1_6.8	P1_6.9	P1_6.10	P1_6.11	P1_7.1	P1_8.11
P1_9.1	P1_10.2	P1_10.11	P1_11.11	P1_12.2	P1_12.12	P1_13.12	P1_14.2	P1_15.2	P1_17.2
P1_19.2	P1_19.3	P1_19.4	P1_19.5	P1_19.6	P1_19.7	P1_19.8	P1_19.9	P1_19.10	P1_19.11
P1_21.11	P1_23.11	P1_24.12	P1_25.12	P2_6.5	P2_6.6	P2_6.7	P2_6.8	P2_6.9	P2_6.10
P2_6.11	P2_6.15	P2_8.5	P2_8.15	P2_10.15	P2_11.5	P2_11.14	P2_12.14	P2_13.13	P2_19.3
P2_19.4	P2_19.5	P2_19.6	P2_19.7	P2_19.8	P2_19.9	P2_19.10	P2_19.11	P2_24.15	P2_25.14
P3_1.13	P3_2.14	P3_3.14	P3_4.15	P3_6.5	P3_6.15	P3_8.5	P3_8.15	P3_9.5	P3_11.5
P3_12.6	P3_13.6	P3_13.7	P3_13.8	P3_13.9	P3_13.10	P3_13.11	P3_13.12	P3_13.13	P3_14.14
P3_15.14	P3_16.15	P4_2.1	P4_4.1	P4_6.11	P4_7.1	P4_8.11	P4_10.2	P4_12.2	P4_13.6
P4_13.7	P4_13.8	P4_13.9	P4_13.10	P4_13.11	P4_13.12	P4_15.2	P4_17.2	P4_19.11	P4_21.11

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R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.6	R_7.7	R_7.8
R_7.9	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7
R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.4
R_9.6	R_9.7	R_9.8	R_9.9	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2
R_10.3	R_10.4	R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1
R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11
R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7

R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8
R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13
R_15.14	R_16.1	R_16.2	R_16.3	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.13
R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_17.12
R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.7	R_18.8	R_18.9	R_18.12
R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.11	R_19.12	R_19.13
R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2
R_21.3	R_21.4	R_21.5	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5
R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.4	R_25.5	R_25.6
R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	P1_7.5	P1_7.10	P1_8.6	P1_8.11	P1_10.6
P1_10.11	P1_16.4	P1_16.5	P1_16.11	P1_16.12	P1_17.5	P1_18.6	P1_19.6	P1_19.7	P1_19.8
P1_20.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P2_7.5	P2_7.10	P2_8.5	P2_8.10
P2_10.5	P2_10.10	P2_16.4	P2_16.5	P2_16.11	P2_16.12	P2_17.10	P2_18.10	P2_19.7	P2_19.8
P2_19.9	P2_20.15	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12	P3_2.13	P3_3.13
P3_4.14	P3_5.14	P3_6.15	P3_8.5	P3_8.10	P3_10.5	P3_10.6	P3_10.10	P3_10.11	P3_16.4
P3_17.4	P3_18.5	P3_19.5	P3_20.6	P3_21.6	P3_21.7	P3_21.8	P3_21.9	P4_1.3	P4_2.3
P4_3.2	P4_4.2	P4_5.1	P4_6.1	P4_8.6	P4_8.11	P4_10.5	P4_10.6	P4_10.10	P4_10.11
P4_16.12	P4_17.11	P4_18.11	P4_19.10	P4_20.10	P4_21.6	P4_21.7	P4_21.8	P4_21.9	

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R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.6	R_7.7	R_7.8
R_7.9	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7
R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.4
R_9.6	R_9.7	R_9.8	R_9.9	R_9.11	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2
R_10.3	R_10.4	R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1
R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11
R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7
R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8
R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.4	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.12
R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.12	R_17.13	R_17.14	R_18.1
R_18.2	R_18.3	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.13	R_18.14	R_18.15
R_19.1	R_19.2	R_19.3	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.12
R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9
R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5
R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.4	R_25.5	R_25.6
R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	P1_7.5	P1_7.10	P1_8.6	P1_8.11	P1_10.6
P1_10.11	P1_15.5	P1_15.6	P1_15.7	P1_15.8	P1_15.9	P1_15.10	P1_16.11	P1_17.11	P1_18.12
P1_20.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P2_7.5	P2_7.10	P2_8.5	P2_8.10
P2_10.5	P2_10.10	P2_15.5	P2_15.6	P2_15.7	P2_15.8	P2_15.9	P2_15.10	P2_16.5	P2_17.4
P2_18.4	P2_20.15	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12	P3_2.13	P3_3.13
P3_4.14	P3_5.14	P3_6.15	P3_8.5	P3_8.10	P3_10.5	P3_10.6	P3_10.10	P3_10.11	P3_17.6
P3_17.7	P3_17.8	P3_17.9	P3_17.10	P3_18.4	P3_18.11	P3_19.4	P3_19.11	P4_1.3	P4_2.3
P4_3.2	P4_4.2	P4_5.1	P4_6.1	P4_8.6	P4_8.11	P4_10.5	P4_10.6	P4_10.10	P4_10.11
P4_17.5	P4_17.6	P4_17.7	P4_17.8	P4_17.9	P4_18.5	P4_18.12	P4_19.4	P4_19.11	

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3

R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_6.14
R_7.2	R_7.3	R_7.4	R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3
R_8.4	R_8.8	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5
R_9.6	R_9.7	R_9.8	R_9.11	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4
R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1
R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11
R_11.12	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14
R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11
R_14.12	R_14.13	R_14.14	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4
R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.12	R_16.13	R_16.14	R_17.1	R_17.2
R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3
R_18.4	R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_18.14	R_19.2	R_19.3	R_19.4
R_19.11	R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.11	R_20.12	R_20.13
R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9
R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8
R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9
R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	P1_6.10
P1_7.1	P1_7.5	P1_7.6	P1_7.10	P1_8.7	P1_8.11	P1_10.1	P1_12.1	P1_14.1	P1_16.1
P1_16.5	P1_16.11	P1_17.5	P1_17.11	P1_18.1	P1_18.6	P1_19.1	P1_19.6	P1_19.7	P1_19.8
P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4	P1_25.11	P2_6.10	P2_7.5	P2_7.6
P2_7.9	P2_7.14	P2_8.5	P2_8.9	P2_10.15	P2_12.15	P2_14.15	P2_16.5	P2_16.11	P2_16.15
P2_17.4	P2_17.10	P2_18.10	P2_18.15	P2_19.7	P2_19.8	P2_19.9	P2_19.14	P2_21.14	P2_22.14
P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12	P3_1.4	P3_1.11	P3_1.12	P3_2.13	P3_3.13
P3_4.14	P3_5.14	P3_7.14	P3_8.5	P3_8.6	P3_8.7	P3_8.9	P3_8.15	P3_9.9	P3_10.10
P3_10.15	P3_12.15	P3_14.15	P3_16.15	P3_17.4	P3_18.5	P3_19.5	P3_19.14	P3_20.6	P3_20.7
P3_20.8	P3_20.9	P3_20.10	P4_1.3	P4_1.4	P4_1.11	P4_2.3	P4_3.2	P4_4.2	P4_5.1
P4_7.1	P4_8.1	P4_8.5	P4_8.6	P4_8.7	P4_8.11	P4_9.10	P4_10.1	P4_10.10	P4_12.1
P4_14.1	P4_16.1	P4_17.11	P4_18.11	P4_19.1	P4_19.10	P4_20.6	P4_20.7	P4_20.8	P4_20.9
P4_20.10									

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3	R_6.4
R_6.5	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_6.14	R_7.2	R_7.3	R_7.4
R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3	R_8.4	R_8.5	R_8.8
R_8.9	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.7
R_9.8	R_9.11	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6
R_10.7	R_10.8	R_10.9	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3
R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10
R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_15.1	R_15.2	R_15.3	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4
R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.11
R_17.12	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_18.8
R_18.12	R_18.13	R_18.14	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.11
R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.11
R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7
R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7
R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9
R_25.10	P1_5.6	P1_6.7	P1_6.10	P1_7.1	P1_7.10	P1_8.7	P1_8.11	P1_10.1	P1_12.1
P1_14.1	P1_15.4	P1_15.5	P1_15.6	P1_15.7	P1_15.8	P1_15.9	P1_15.10	P1_15.11	P1_16.1
P1_16.12	P1_18.1	P1_18.11	P1_19.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4
P1_25.11	P2_5.6	P2_6.6	P2_6.10	P2_7.5	P2_7.9	P2_7.14	P2_9.9	P2_10.15	P2_12.15
P2_14.15	P2_15.4	P2_15.5	P2_15.6	P2_15.7	P2_15.8	P2_15.9	P2_15.10	P2_15.11	P2_16.15
P2_18.15	P2_19.8	P2_19.14	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12
P3_1.4	P3_1.11	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_7.9	P3_7.14	P3_7.15
P3_8.6	P3_8.15	P3_9.6	P3_9.9	P3_10.10	P3_10.15	P3_12.15	P3_14.15	P3_15.4	P3_16.5
P3_16.6	P3_16.7	P3_16.8	P3_16.12	P3_16.15	P3_17.8	P3_19.8	P3_19.14	P3_20.9	P3_20.10

P4_1.3	P4_1.4	P4_1.11	P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_6.7	P4_7.1	P4_8.1
P4_8.7	P4_8.11	P4_9.6	P4_9.10	P4_10.1	P4_10.10	P4_12.1	P4_14.1	P4_16.1	P4_16.5
P4_16.6	P4_16.7	P4_16.11	P4_16.12	P4_18.11	P4_19.1	P4_19.10	P4_20.9	P4_20.10	

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3
R_6.4	R_6.5	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_6.14	R_7.2
R_7.3	R_7.4	R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3	R_8.4
R_8.6	R_8.8	R_8.10	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.5
R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3
R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13
R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2
R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12
R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5
R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2
R_16.3	R_16.4	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.12	R_16.13	R_16.14
R_17.1	R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14
R_18.2	R_18.3	R_18.4	R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_18.14	R_19.2
R_19.3	R_19.4	R_19.11	R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.11
R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7
R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7
R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9
R_25.10	P1_6.6	P1_6.10	P1_7.1	P1_7.6	P1_7.10	P1_8.7	P1_8.11	P1_9.11	P1_10.1
P1_12.1	P1_14.1	P1_16.1	P1_16.5	P1_16.11	P1_17.5	P1_17.11	P1_18.1	P1_18.6	P1_19.1
P1_19.6	P1_19.7	P1_19.8	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4	P1_25.11
P2_6.6	P2_6.10	P2_7.5	P2_7.9	P2_7.14	P2_8.5	P2_8.9	P2_9.4	P2_10.15	P2_12.15
P2_14.15	P2_16.5	P2_16.11	P2_16.15	P2_17.4	P2_17.10	P2_18.10	P2_18.15	P2_19.7	P2_19.8
P2_19.9	P2_19.14	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12	P3_1.4
P3_1.11	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_7.6	P3_7.10	P3_7.14	P3_8.7
P3_8.9	P3_8.11	P3_8.15	P3_9.4	P3_9.11	P3_10.15	P3_12.15	P3_14.15	P3_16.15	P3_17.4
P3_18.5	P3_19.5	P3_19.14	P3_20.6	P3_20.7	P3_20.8	P3_20.9	P3_20.10	P4_1.3	P4_1.4
P4_1.11	P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_7.1	P4_7.5	P4_7.9	P4_8.1	P4_8.5
P4_8.7	P4_8.9	P4_9.4	P4_9.11	P4_10.1	P4_12.1	P4_14.1	P4_16.1	P4_17.11	P4_18.11
P4_19.1	P4_19.10	P4_20.6	P4_20.7	P4_20.8	P4_20.9	P4_20.10			

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3
R_6.4	R_6.5	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_6.14	R_7.2
R_7.3	R_7.4	R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3	R_8.4
R_8.7	R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.7
R_9.8	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.6	R_10.7	R_10.8
R_10.9	R_10.10	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.2
R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12
R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.9	R_13.10
R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.10
R_14.11	R_14.12	R_14.13	R_14.14	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.10
R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.11	R_16.12
R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.10	R_17.11	R_17.12
R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.5	R_18.11	R_18.12	R_18.13	R_18.14
R_19.2	R_19.3	R_19.4	R_19.5	R_19.10	R_19.11	R_19.12	R_19.13	R_20.2	R_20.3
R_20.4	R_20.5	R_20.6	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3
R_21.4	R_21.5	R_21.6	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4
R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4

R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.5	R_25.6
R_25.7	R_25.8	R_25.9	R_25.10	P1_6.6	P1_6.10	P1_7.1	P1_7.6	P1_7.10	P1_8.11
P1_9.6	P1_9.11	P1_10.1	P1_12.1	P1_13.7	P1_13.8	P1_14.1	P1_14.9	P1_15.9	P1_16.1
P1_16.10	P1_18.1	P1_18.10	P1_19.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4
P1_25.11	P2_6.6	P2_6.10	P2_7.5	P2_7.9	P2_7.14	P2_8.5	P2_9.4	P2_9.9	P2_10.15
P2_12.15	P2_13.7	P2_13.8	P2_14.7	P2_14.15	P2_15.6	P2_16.6	P2_16.15	P2_18.6	P2_18.15
P2_19.14	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12	P3_1.4	P3_1.11
P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_7.9	P3_7.14	P3_8.15	P3_9.4	P3_9.6
P3_9.9	P3_9.10	P3_10.5	P3_10.11	P3_10.15	P3_12.15	P3_14.15	P3_16.6	P3_16.15	P3_18.6
P3_19.6	P3_19.14	P3_20.7	P3_21.7	P3_21.8	P4_1.3	P4_1.4	P4_1.11	P4_2.3	P4_3.2
P4_4.2	P4_5.1	P4_7.1	P4_7.6	P4_8.1	P4_9.5	P4_9.6	P4_9.9	P4_9.11	P4_10.1
P4_10.5	P4_10.11	P4_12.1	P4_14.1	P4_16.1	P4_16.10	P4_18.10	P4_19.1	P4_19.9	P4_20.9
P4_21.7	P4_21.8								

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3
R_6.4	R_6.5	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_6.14	R_7.2
R_7.3	R_7.4	R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3	R_8.4
R_8.7	R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.4
R_9.7	R_9.8	R_9.11	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5
R_10.7	R_10.8	R_10.9	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3
R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10
R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6
R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_17.1	R_17.2
R_17.3	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.12	R_18.13	R_18.14
R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11
R_19.12	R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9
R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5
R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7
R_25.8	R_25.9	R_25.10	P1_6.6	P1_6.10	P1_7.1	P1_7.6	P1_7.10	P1_8.11	P1_9.6
P1_10.1	P1_12.1	P1_14.1	P1_16.1	P1_17.4	P1_17.5	P1_17.6	P1_17.7	P1_17.8	P1_17.9
P1_17.10	P1_17.11	P1_18.1	P1_19.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4
P1_25.11	P2_6.6	P2_6.10	P2_7.5	P2_7.9	P2_7.14	P2_8.5	P2_9.9	P2_10.15	P2_12.15
P2_14.15	P2_16.15	P2_17.4	P2_17.5	P2_17.6	P2_17.7	P2_17.8	P2_17.9	P2_17.10	P2_17.11
P2_18.15	P2_19.14	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12	P3_1.4
P3_1.11	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_7.9	P3_7.14	P3_8.5	P3_8.15
P3_9.5	P3_9.9	P3_10.6	P3_10.10	P3_10.15	P3_12.15	P3_14.15	P3_16.15	P3_17.4	P3_18.5
P3_18.6	P3_18.7	P3_18.8	P3_18.9	P3_18.10	P3_18.11	P3_19.14	P4_1.3	P4_1.4	P4_1.11
P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_7.1	P4_7.6	P4_8.1	P4_8.11	P4_9.6	P4_9.10
P4_10.1	P4_10.6	P4_10.10	P4_12.1	P4_14.1	P4_16.1	P4_17.11	P4_18.5	P4_18.6	P4_18.7
P4_18.8	P4_18.9	P4_18.10	P4_18.11	P4_19.1					

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.6
R_5.7	R_5.8	R_5.9	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3	R_6.4	R_6.7
R_6.8	R_6.9	R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.5	R_7.7
R_7.8	R_7.10	R_7.12	R_7.13	R_7.14	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6
R_8.8	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.4
R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14
R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11
R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.9
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5

R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.11
R_14.12	R_14.13	R_14.14	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.10	R_15.11
R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.11	R_16.12	R_16.13
R_16.14	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.10	R_17.11	R_17.12	R_17.13
R_17.14	R_18.2	R_18.3	R_18.4	R_18.5	R_18.11	R_18.12	R_18.13	R_18.14	R_19.2
R_19.3	R_19.4	R_19.5	R_19.10	R_19.11	R_19.12	R_19.13	R_20.2	R_20.3	R_20.4
R_20.5	R_20.6	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4
R_21.5	R_21.6	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5
R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7
R_25.8	R_25.9	R_25.10	P1_5.5	P1_5.10	P1_6.6	P1_6.11	P1_7.6	P1_7.11	P1_8.1
P1_8.7	P1_10.1	P1_11.7	P1_11.8	P1_12.1	P1_12.9	P1_13.9	P1_14.1	P1_14.10	P1_16.1
P1_16.10	P1_18.1	P1_18.10	P1_19.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4
P1_25.11	P2_5.5	P2_5.10	P2_6.5	P2_6.10	P2_7.4	P2_7.9	P2_8.9	P2_8.15	P2_10.15
P2_11.7	P2_11.8	P2_12.7	P2_12.15	P2_13.6	P2_14.6	P2_14.15	P2_16.6	P2_16.15	P2_18.6
P2_18.15	P2_19.14	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12	P3_1.4
P3_1.11	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_6.6	P3_6.11	P3_6.15	P3_7.4
P3_7.6	P3_7.11	P3_8.7	P3_8.9	P3_8.15	P3_10.15	P3_12.15	P3_14.6	P3_14.15	P3_16.6
P3_16.15	P3_18.6	P3_19.6	P3_19.14	P3_20.7	P3_21.7	P3_21.8	P4_1.3	P4_1.4	P4_1.11
P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_6.1	P4_6.5	P4_6.10	P4_7.4	P4_7.9	P4_7.11
P4_8.1	P4_8.7	P4_8.9	P4_10.1	P4_12.1	P4_14.1	P4_14.10	P4_16.1	P4_16.10	P4_18.10
P4_19.1	P4_19.9	P4_20.9	P4_21.7	P4_21.8					

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3
R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13
R_6.14	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10
R_7.11	R_7.12	R_7.13	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8
R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.4
R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14
R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11
R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7
R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4
R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14
R_13.1	R_13.2	R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14
R_14.2	R_14.3	R_14.4	R_14.8	R_14.12	R_14.13	R_14.14	R_15.1	R_15.2	R_15.3
R_15.4	R_15.7	R_15.8	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4
R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14
R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10
R_17.11	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7
R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_19.2	R_19.3	R_19.4
R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_20.2
R_20.3	R_20.4	R_20.5	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4
R_21.5	R_21.10	R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7
R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7
R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9
R_25.10	P1_7.1	P1_10.1	P1_12.1	P1_13.4	P1_13.5	P1_13.10	P1_13.11	P1_14.1	P1_14.6
P1_14.7	P1_14.9	P1_16.1	P1_18.1	P1_19.1	P1_20.6	P1_20.7	P1_20.8	P1_20.9	P1_20.10
P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4	P1_25.11	P2_7.14	P2_10.15	P2_12.15
P2_13.4	P2_13.5	P2_13.10	P2_13.11	P2_14.7	P2_14.9	P2_14.10	P2_14.15	P2_16.15	P2_18.15
P2_19.14	P2_20.6	P2_20.7	P2_20.8	P2_20.9	P2_20.10	P2_21.14	P2_22.14	P2_23.13	P2_24.13
P2_25.4	P2_25.11	P2_25.12	P3_1.4	P3_1.11	P3_1.12	P3_1.15	P3_2.13	P3_3.13	P3_4.14
P3_7.14	P3_8.15	P3_10.15	P3_12.15	P3_13.4	P3_14.5	P3_14.9	P3_14.15	P3_15.5	P3_15.6
P3_15.9	P3_15.10	P3_16.15	P3_19.14	P3_20.6	P3_21.6	P3_21.7	P3_21.8	P3_21.9	P4_1.3
P4_1.4	P4_1.11	P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_7.1	P4_8.1	P4_10.1	P4_12.1
P4_13.11	P4_14.1	P4_14.7	P4_14.11	P4_15.5	P4_15.6	P4_15.9	P4_15.10	P4_16.1	P4_19.1
P4_20.10	P4_21.6	P4_21.7	P4_21.8	P4_21.9					

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7

R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3
R_6.4	R_6.5	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_6.14	R_7.2
R_7.3	R_7.4	R_7.7	R_7.8	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3	R_8.4
R_8.7	R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.3	R_9.4
R_9.7	R_9.8	R_9.11	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5
R_10.7	R_10.8	R_10.9	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3
R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10
R_12.11	R_12.12	R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_15.1	R_15.2	R_15.3	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4
R_16.12	R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.12	R_17.13	R_17.14	R_18.2
R_18.3	R_18.4	R_18.12	R_18.13	R_18.14	R_19.2	R_19.3	R_19.4	R_19.11	R_19.12
R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.10	R_20.11	R_20.12	R_20.13
R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_21.11	R_21.12	R_21.13	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9
R_22.10	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8
R_23.9	R_23.10	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9
R_24.10	R_24.11	R_24.12	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	P1_6.6
P1_6.10	P1_7.1	P1_7.6	P1_7.10	P1_8.11	P1_9.6	P1_10.1	P1_12.1	P1_14.1	P1_15.4
P1_15.5	P1_15.6	P1_15.7	P1_15.8	P1_15.9	P1_15.10	P1_15.11	P1_16.1	P1_17.11	P1_18.1
P1_19.1	P1_21.1	P1_22.2	P1_23.2	P1_24.3	P1_25.3	P1_25.4	P1_25.11	P2_6.6	P2_6.10
P2_7.5	P2_7.9	P2_7.14	P2_8.5	P2_9.9	P2_10.15	P2_12.15	P2_14.15	P2_15.4	P2_15.5
P2_15.6	P2_15.7	P2_15.8	P2_15.9	P2_15.10	P2_15.11	P2_16.15	P2_17.4	P2_18.15	P2_19.14
P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.4	P2_25.11	P2_25.12	P3_1.4	P3_1.11	P3_1.12
P3_2.13	P3_3.13	P3_4.14	P3_5.14	P3_7.9	P3_7.14	P3_8.5	P3_8.15	P3_9.5	P3_9.9
P3_10.6	P3_10.10	P3_10.15	P3_12.15	P3_14.15	P3_15.4	P3_16.15	P3_17.4	P3_18.5	P3_19.5
P3_19.6	P3_19.10	P3_19.14	P3_20.7	P3_20.8	P3_20.9	P4_1.3	P4_1.4	P4_1.11	P4_2.3
P4_3.2	P4_4.2	P4_5.1	P4_7.1	P4_7.6	P4_8.1	P4_8.11	P4_9.6	P4_9.10	P4_10.1
P4_10.6	P4_10.10	P4_12.1	P4_14.1	P4_15.11	P4_16.1	P4_17.11	P4_18.11	P4_19.1	P4_19.5
P4_19.9	P4_19.10	P4_20.7	P4_20.8	P4_20.9					

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.5	R_2.6	R_2.7	R_2.8
R_2.9	R_2.10	R_2.11	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10
R_3.11	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12
R_5.3	R_5.4	R_5.5	R_5.7	R_5.8	R_5.10	R_5.11	R_5.12	R_6.3	R_6.4
R_6.5	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12	R_6.13	R_7.3	R_7.4	R_7.7
R_7.8	R_7.11	R_7.12	R_8.3	R_8.4	R_8.7	R_8.8	R_8.9	R_8.12	R_8.13
R_9.2	R_9.3	R_9.4	R_9.7	R_9.8	R_9.11	R_9.12	R_9.13	R_10.3	R_10.4
R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6
R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_12.3	R_12.4	R_12.5
R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_13.2	R_13.3
R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13
R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12
R_14.13	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10
R_15.11	R_15.12	R_15.13	R_16.3	R_16.4	R_16.7	R_16.8	R_16.9	R_16.12	R_16.13
R_17.2	R_17.3	R_17.4	R_17.7	R_17.8	R_17.11	R_17.12	R_17.13	R_18.3	R_18.4
R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_19.3	R_19.4	R_19.7	R_19.8	R_19.11
R_19.12	R_20.3	R_20.4	R_20.5	R_20.7	R_20.8	R_20.9	R_20.11	R_20.12	R_20.13
R_21.3	R_21.4	R_21.5	R_21.7	R_21.8	R_21.10	R_21.11	R_21.12	R_22.4	R_22.5
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9
R_24.10	R_24.11	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	P1_5.6	P1_5.9
P1_6.10	P1_7.2	P1_7.6	P1_7.10	P1_8.11	P1_9.6	P1_10.2	P1_10.11	P1_12.2	P1_14.2
P1_16.2	P1_16.5	P1_16.6	P1_16.10	P1_16.11	P1_17.6	P1_18.2	P1_18.11	P1_19.2	P1_19.6
P1_21.2	P1_21.6	P1_22.3	P1_23.3	P1_24.4	P1_25.4	P2_5.6	P2_5.9	P2_6.6	P2_7.5
P2_7.9	P2_7.13	P2_8.5	P2_9.9	P2_10.5	P2_10.14	P2_12.14	P2_14.14	P2_16.5	P2_16.6
P2_16.10	P2_16.11	P2_16.14	P2_17.9	P2_18.5	P2_18.14	P2_19.9	P2_19.13	P2_21.9	P2_21.13
P2_22.13	P2_23.12	P2_24.12	P2_25.11	P3_1.11	P3_2.12	P3_3.12	P3_4.13	P3_5.9	P3_5.13
P3_7.9	P3_7.13	P3_8.5	P3_8.14	P3_9.9	P3_10.5	P3_10.6	P3_10.10	P3_10.11	P3_10.14
P3_12.14	P3_14.14	P3_16.5	P3_16.14	P3_17.9	P3_18.5	P3_19.5	P3_19.9	P3_19.13	P3_20.6
P3_21.6	P3_21.9	P4_1.4	P4_2.4	P4_3.3	P4_4.3	P4_5.2	P4_5.6	P4_7.2	P4_7.6
P4_8.2	P4_8.11	P4_9.6	P4_10.2	P4_10.5	P4_10.6	P4_10.10	P4_10.11	P4_12.2	P4_14.2
P4_16.2	P4_16.11	P4_17.6	P4_18.11	P4_19.2	P4_19.6	P4_19.10	P4_20.10	P4_21.6	P4_21.9

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R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.5	R_2.6	R_2.7	R_2.8	R_2.9
R_2.10	R_2.11	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_5.5
R_5.6	R_5.7	R_5.10	R_5.11	R_5.12	R_6.6	R_6.7	R_6.8	R_6.11	R_6.12
R_6.13	R_7.6	R_7.7	R_7.8	R_7.10	R_7.11	R_7.12	R_8.7	R_8.8	R_8.9
R_8.11	R_8.12	R_8.13	R_9.7	R_9.8	R_9.11	R_9.12	R_9.13	R_10.7	R_10.8
R_10.9	R_10.12	R_10.13	R_11.7	R_11.8	R_11.9	R_11.11	R_11.12	R_11.13	R_12.8
R_12.9	R_12.12	R_12.13	R_13.7	R_13.8	R_13.9	R_13.11	R_13.12	R_13.13	R_14.8
R_14.9	R_14.12	R_14.13	R_15.7	R_15.8	R_15.9	R_15.11	R_15.12	R_15.13	R_16.7
R_16.8	R_16.9	R_16.12	R_16.13	R_17.7	R_17.8	R_17.11	R_17.12	R_17.13	R_18.7
R_18.8	R_18.9	R_18.11	R_18.12	R_18.13	R_19.6	R_19.7	R_19.8	R_19.10	R_19.11
R_19.12	R_20.6	R_20.7	R_20.8	R_20.11	R_20.12	R_20.13	R_21.5	R_21.6	R_21.7
R_21.10	R_21.11	R_21.12	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10
R_22.11	R_22.12	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	P1_5.3	P1_5.4	P1_5.8	P1_5.9	P1_6.5	P1_6.10	P1_7.5	P1_8.6
P1_8.10	P1_9.6	P1_9.10	P1_10.11	P1_11.6	P1_12.7	P1_12.11	P1_14.7	P1_14.11	P1_16.11
P1_17.6	P1_20.10	P1_23.3	P1_24.4	P1_25.4	P1_25.5	P2_5.4	P2_5.8	P2_5.9	P2_7.13
P2_9.9	P2_10.14	P2_12.10	P2_12.14	P2_14.10	P2_14.14	P2_16.10	P2_16.14	P2_17.9	P2_18.14
P2_19.9	P2_19.13	P2_20.9	P2_21.8	P2_21.13	P2_22.13	P2_23.12	P2_24.12	P2_25.5	P2_25.11
P3_1.5	P3_1.11	P3_2.12	P3_3.12	P3_4.13	P3_5.8	P3_5.13	P3_6.9	P3_7.9	P3_7.13
P3_8.14	P3_9.9	P3_10.10	P3_10.14	P3_12.10	P3_12.14	P3_14.10	P3_14.14	P3_16.14	P3_17.9
P3_19.13	P3_21.4	P3_21.8	P3_21.9	P4_1.4	P4_1.5	P4_2.4	P4_3.3	P4_6.10	P4_9.6
P4_10.11	P4_12.7	P4_12.11	P4_14.7	P4_14.11	P4_15.6	P4_16.11	P4_17.6	P4_17.10	P4_18.6
P4_18.10	P4_19.5	P4_20.5	P4_20.10	P4_21.3	P4_21.4	P4_21.8	P4_21.9		

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R_2.1	R_2.2	R_3.1	R_3.2	R_3.5	R_3.6	R_3.7	R_3.11	R_3.12	R_3.13
R_4.1	R_4.2	R_4.5	R_4.6	R_4.7	R_4.8	R_4.12	R_4.13	R_5.1	R_5.2
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.11	R_5.12	R_5.13	R_6.1	R_6.2
R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.12	R_6.13	R_7.1
R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.11	R_7.12
R_7.13	R_8.2	R_8.3	R_8.4	R_8.5	R_8.8	R_8.9	R_8.12	R_8.13	R_9.2
R_9.3	R_9.4	R_9.8	R_9.9	R_9.11	R_9.12	R_9.13	R_10.3	R_10.4	R_10.5
R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_11.3	R_11.4	R_11.8	R_11.9
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.3	R_12.4	R_12.5	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.3	R_13.4	R_13.8	R_13.9
R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.3	R_14.4	R_14.5	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.3	R_15.4	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.3	R_16.4	R_16.5	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_16.13	R_17.2	R_17.3	R_17.4	R_17.8	R_17.9	R_17.11
R_17.12	R_17.13	R_18.2	R_18.3	R_18.4	R_18.5	R_18.8	R_18.9	R_18.12	R_18.13
R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.11
R_19.12	R_19.13	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8
R_20.9	R_20.12	R_20.13	R_21.1	R_21.2	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_21.11	R_21.12	R_21.13	R_22.1	R_22.2	R_22.5	R_22.6	R_22.7	R_22.8	R_22.12
R_22.13	R_23.1	R_23.2	R_23.5	R_23.6	R_23.7	R_23.11	R_23.12	R_23.13	R_24.1
R_24.2	P1_4.11	P1_6.11	P1_8.1	P1_8.6	P1_8.7	P1_8.11	P1_9.1	P1_9.7	P1_10.2
P1_11.2	P1_11.7	P1_13.2	P1_13.7	P1_15.2	P1_15.7	P1_16.14	P1_17.7	P1_17.10	P1_18.11
P1_20.11	P1_21.3	P1_22.4	P1_22.11	P1_23.4	P1_24.5	P1_24.6	P1_24.7	P1_24.11	P1_24.12
P1_24.13	P1_25.1	P2_4.3	P2_4.14	P2_6.14	P2_8.6	P2_8.7	P2_8.10	P2_8.14	P2_9.5
P2_10.14	P2_11.5	P2_13.5	P2_15.5	P2_16.14	P2_16.15	P2_17.5	P2_17.10	P2_18.10	P2_18.14
P2_20.10	P2_20.14	P2_21.3	P2_21.9	P2_22.3	P2_22.9	P2_22.14	P2_23.8	P2_24.3	P2_24.6
P2_24.7	P2_24.8	P2_24.12	P2_24.13	P2_24.14	P2_25.1	P2_25.2	P3_1.1	P3_1.2	P3_2.3
P3_2.6	P3_2.7	P3_2.8	P3_2.12	P3_2.13	P3_2.14	P3_3.8	P3_4.3	P3_4.9	P3_4.14
P3_5.3	P3_5.9	P3_6.10	P3_6.14	P3_8.10	P3_8.14	P3_9.5	P3_9.10	P3_10.14	P3_10.15
P3_11.5	P3_13.5	P3_15.5	P3_16.14	P3_17.5	P3_18.6	P3_18.7	P3_18.10	P3_18.14	P3_20.14
P3_22.3	P3_22.14	P4_1.1	P4_2.5	P4_2.6	P4_2.7	P4_2.11	P4_2.12	P4_2.13	P4_3.4
P4_4.4	P4_4.11	P4_5.3	P4_6.11	P4_8.11	P4_9.7	P4_9.10	P4_10.14	P4_11.2	P4_11.7
P4_13.2	P4_13.7	P4_15.2	P4_15.7	P4_16.2	P4_17.1	P4_17.7	P4_18.1	P4_18.6	P4_18.7
P4_18.11	P4_20.11	P4_22.11							

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R_1.9	R_1.10	R_1.11	R_2.10	R_2.11	R_3.3	R_3.4	R_3.5	R_3.9	R_3.10
R_3.11	R_4.3	R_4.4	R_4.5	R_4.6	R_4.10	R_4.11	R_5.2	R_5.3	R_5.4
R_5.5	R_5.6	R_5.9	R_5.10	R_5.11	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6
R_6.7	R_6.10	R_6.11	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7

R_7.9	R_7.10	R_7.11	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7
R_8.8	R_8.10	R_8.11	R_9.1	R_9.2	R_9.3	R_9.5	R_9.6	R_9.7	R_9.9
R_9.10	R_9.11	R_10.1	R_10.2	R_10.3	R_10.6	R_10.7	R_10.8	R_10.10	R_10.11
R_11.1	R_11.2	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.6	R_13.7	R_13.8	R_13.9
R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2
R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1
R_16.2	R_16.3	R_16.6	R_16.7	R_16.8	R_16.10	R_16.11	R_17.1	R_17.2	R_17.3
R_17.5	R_17.6	R_17.7	R_17.9	R_17.10	R_17.11	R_18.1	R_18.2	R_18.3	R_18.4
R_18.5	R_18.6	R_18.7	R_18.8	R_18.10	R_18.11	R_19.1	R_19.2	R_19.3	R_19.4
R_19.5	R_19.6	R_19.7	R_19.9	R_19.10	R_19.11	R_20.2	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.10	R_20.11	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.9
R_21.10	R_21.11	R_22.3	R_22.4	R_22.5	R_22.6	R_22.10	R_22.11	R_23.3	R_23.4
R_23.5	R_23.9	R_23.10	R_23.11	R_24.10	R_24.11	R_25.9	R_25.10	R_25.11	P1_2.9
P1_4.9	P1_6.9	P1_8.9	P1_9.4	P1_10.5	P1_10.9	P1_11.5	P1_13.5	P1_15.5	P1_16.9
P1_16.12	P1_16.13	P1_16.14	P1_18.9	P1_20.1	P1_20.9	P1_21.1	P1_22.2	P1_22.9	P1_23.2
P1_24.3	P1_24.4	P1_24.5	P1_24.9	P2_2.12	P2_4.12	P2_6.12	P2_8.12	P2_9.4	P2_9.8
P2_10.4	P2_10.12	P2_11.3	P2_13.3	P2_15.3	P2_16.9	P2_16.12	P2_16.13	P2_16.14	P2_16.15
P2_17.8	P2_18.12	P2_19.8	P2_20.8	P2_20.12	P2_21.7	P2_22.7	P2_22.12	P2_23.6	P2_24.4
P2_24.5	P2_24.6	P2_24.12	P3_2.4	P3_2.5	P3_2.6	P3_2.12	P3_3.6	P3_4.7	P3_4.12
P3_5.7	P3_6.8	P3_6.12	P3_7.8	P3_8.12	P3_9.8	P3_10.9	P3_10.12	P3_10.13	P3_10.14
P3_10.15	P3_11.3	P3_13.3	P3_15.3	P3_16.4	P3_16.12	P3_17.4	P3_17.8	P3_18.12	P3_20.12
P3_22.12	P3_24.12	P4_2.2	P4_2.4	P4_2.5	P4_2.9	P4_3.2	P4_4.2	P4_4.9	P4_5.1
P4_6.1	P4_6.9	P4_8.9	P4_10.9	P4_10.12	P4_10.13	P4_10.14	P4_11.5	P4_13.5	P4_15.5
P4_16.5	P4_16.9	P4_17.4	P4_18.9	P4_20.9	P4_22.9	P4_24.9			

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R_1.5	R_2.5	R_2.6	R_3.4	R_3.5	R_3.10	R_3.11	R_3.12	R_4.4	R_4.5
R_4.6	R_4.10	R_4.11	R_4.12	R_4.13	R_5.3	R_5.4	R_5.5	R_5.9	R_5.10
R_5.11	R_5.12	R_5.13	R_6.3	R_6.4	R_6.5	R_6.9	R_6.10	R_6.11	R_6.12
R_6.13	R_6.14	R_7.2	R_7.3	R_7.4	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12
R_7.13	R_7.14	R_8.2	R_8.3	R_8.4	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12
R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.8	R_9.9	R_9.10	R_9.12
R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.8	R_10.9	R_10.10	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5
R_13.6	R_13.7	R_13.8	R_13.9	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4
R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.13	R_14.14	R_14.15	R_15.1
R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.13	R_15.14
R_16.1	R_16.2	R_16.3	R_16.8	R_16.9	R_16.10	R_16.13	R_16.14	R_16.15	R_17.1
R_17.2	R_17.3	R_17.8	R_17.9	R_17.10	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3
R_18.4	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.2
R_19.3	R_19.4	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.3
R_20.4	R_20.5	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.3	R_21.4
R_21.5	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_22.4	R_22.5	R_22.6	R_22.10
R_22.11	R_22.12	R_22.13	R_23.4	R_23.5	R_23.10	R_23.11	R_23.12	R_24.5	R_24.6
R_25.5	P1_9.7	P1_9.11	P1_10.12	P1_11.12	P1_13.12	P1_15.12	P1_16.4	P1_16.5	P1_16.6
P1_16.7	P1_17.7	P1_18.1	P1_19.1	P1_19.7	P1_20.2	P1_20.8	P1_21.2	P1_21.8	P1_22.3
P1_22.9	P1_23.3	P1_23.9	P1_24.4	P1_24.10	P1_24.11	P1_24.12	P1_25.4	P2_3.6	P2_5.6
P2_6.6	P2_7.5	P2_8.5	P2_9.4	P2_9.11	P2_10.4	P2_10.11	P2_11.10	P2_13.10	P2_15.10
P2_16.4	P2_16.5	P2_16.6	P2_16.7	P2_20.15	P2_21.14	P2_22.14	P2_23.6	P2_23.13	P2_24.11
P2_24.12	P2_24.13	P2_25.6	P3_1.6	P3_2.11	P3_2.12	P3_2.13	P3_3.6	P3_3.13	P3_4.14
P3_5.14	P3_6.15	P3_10.4	P3_10.5	P3_10.6	P3_10.7	P3_11.10	P3_13.10	P3_15.10	P3_16.4
P3_16.11	P3_17.4	P3_17.11	P3_18.5	P3_19.5	P3_20.6	P3_21.6	P3_23.6	P4_1.4	P4_2.4
P4_2.10	P4_2.11	P4_2.12	P4_3.3	P4_3.9	P4_4.3	P4_4.9	P4_5.2	P4_5.8	P4_6.2
P4_6.8	P4_7.1	P4_7.7	P4_8.1	P4_9.7	P4_10.4	P4_10.5	P4_10.6	P4_10.7	P4_11.12
P4_13.12	P4_15.12	P4_16.12	P4_17.7	P4_17.11					

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R_1.10	R_1.11	R_1.12	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8
R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1	R_3.2	R_3.3
R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13
R_3.14	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10
R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.2

R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12
R_6.13	R_6.14	R_6.15	R_7.10	R_7.11	R_7.12	R_8.11	R_8.12	R_9.3	R_9.4
R_9.5	R_9.10	R_9.11	R_9.12	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.11
R_10.12	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.10	R_11.11	R_11.12
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.11	R_12.12	R_13.1
R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.10	R_13.11	R_13.12
R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.11
R_14.12	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_16.1	R_16.2	R_16.3	R_16.4	R_16.7	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_17.1	R_17.2	R_17.3	R_17.7	R_17.8	R_17.9	R_17.10
R_17.11	R_17.12	R_18.1	R_18.2	R_18.3	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12
R_19.1	R_19.2	R_19.3	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_20.1	R_20.2
R_20.3	R_20.4	R_20.9	R_20.10	R_20.11	R_20.12	R_21.1	R_21.2	R_21.3	R_21.4
R_21.9	R_21.10	R_21.11	R_21.12	R_22.2	R_22.3	R_22.4	R_22.5	R_22.9	R_22.10
R_22.11	R_22.12	R_23.2	R_23.3	R_23.4	R_23.5	R_23.9	R_23.10	R_23.11	R_23.12
R_24.3	R_24.4	R_24.5	R_24.10	R_24.11	R_24.12	R_25.3	R_25.4	R_25.9	R_25.10
R_25.11	P1_4.1	P1_6.1	P1_7.1	P1_7.2	P1_7.3	P1_7.4	P1_7.5	P1_7.6	P1_7.7
P1_7.8	P1_7.9	P1_7.13	P1_7.14	P1_8.10	P1_10.10	P1_12.10	P1_14.10	P1_16.5	P1_16.6
P1_17.6	P1_18.7	P1_19.7	P1_20.8	P1_21.8	P1_22.1	P1_23.1	P1_23.8	P1_24.2	P1_24.9
P1_25.2	P2_7.2	P2_7.3	P2_7.4	P2_7.5	P2_7.6	P2_7.7	P2_7.8	P2_7.9	P2_7.13
P2_7.14	P2_8.13	P2_10.13	P2_12.13	P2_14.13	P2_16.5	P2_16.6	P2_16.13	P2_17.4	P2_18.4
P2_18.13	P2_20.13	P2_22.13	P2_24.6	P2_24.13	P2_25.5	P2_25.12	P3_1.2	P3_1.3	P3_1.4
P3_1.5	P3_1.6	P3_1.7	P3_1.8	P3_1.9	P3_1.13	P3_1.14	P3_8.4	P3_8.5	P3_8.6
P3_8.13	P3_9.6	P3_9.7	P3_10.8	P3_10.13	P3_11.8	P3_12.9	P3_12.13	P3_13.9	P3_14.10
P3_14.13	P3_16.13	P3_18.4	P3_18.13	P3_19.4	P3_20.5	P3_20.13	P3_21.5	P3_22.6	P3_22.13
P4_1.1	P4_1.2	P4_1.3	P4_1.4	P4_1.5	P4_1.6	P4_1.7	P4_1.8	P4_1.9	P4_1.13
P4_1.14	P4_2.1	P4_4.1	P4_8.3	P4_8.4	P4_8.5	P4_8.10	P4_9.2	P4_9.6	P4_10.2
P4_10.10	P4_11.1	P4_12.1	P4_12.10	P4_14.10	P4_21.8	P4_24.9			

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R_1.6	R_1.7	R_1.8	R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_3.5	R_3.6
R_3.7	R_3.8	R_3.9	R_3.10	R_3.13	R_3.14	R_4.5	R_4.6	R_4.7	R_4.8
R_4.9	R_4.10	R_4.11	R_4.14	R_4.15	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9
R_5.10	R_5.13	R_5.14	R_6.5	R_6.6	R_6.7	R_6.9	R_6.10	R_6.11	R_6.14
R_6.15	R_7.4	R_7.5	R_7.6	R_7.9	R_7.10	R_7.11	R_7.13	R_7.14	R_8.5
R_8.6	R_8.7	R_8.10	R_8.11	R_8.12	R_8.14	R_8.15	R_9.4	R_9.5	R_9.6
R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.5	R_10.6	R_10.7	R_10.11	R_10.12
R_10.13	R_10.14	R_10.15	R_11.4	R_11.5	R_11.6	R_11.11	R_11.12	R_11.13	R_11.14
R_12.5	R_12.6	R_12.7	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.5	R_13.6
R_13.7	R_13.11	R_13.12	R_13.13	R_13.14	R_14.5	R_14.6	R_14.7	R_14.12	R_14.13
R_14.14	R_14.15	R_15.2	R_15.3	R_15.5	R_15.6	R_15.7	R_15.12	R_15.13	R_15.14
R_16.3	R_16.4	R_16.6	R_16.7	R_16.8	R_16.13	R_16.14	R_17.2	R_17.3	R_17.6
R_17.7	R_17.8	R_18.3	R_18.4	R_18.7	R_18.8	R_18.9	R_19.2	R_19.3	R_19.6
R_19.7	R_19.8	R_19.9	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_22.1	R_22.2	R_22.3
R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_23.1
R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_23.12	R_24.3	R_24.4	R_25.2	R_25.3	P1_4.13	P1_5.4	P1_6.8	P1_6.13	P1_7.8
P1_8.4	P1_8.9	P1_8.13	P1_9.9	P1_10.4	P1_10.10	P1_11.10	P1_12.4	P1_13.4	P1_13.10
P1_14.11	P1_15.4	P1_15.11	P1_16.2	P1_16.5	P1_16.12	P1_17.5	P1_17.12	P1_17.13	P1_18.2
P1_18.6	P1_24.1	P1_24.2	P1_24.5	P1_24.6	P1_24.7	P1_24.8	P1_24.9	P1_24.10	P1_24.11
P1_24.12	P2_5.11	P2_6.8	P2_7.7	P2_9.7	P2_11.7	P2_14.8	P2_16.15	P2_17.4	P2_17.13
P2_17.14	P2_19.4	P2_22.13	P2_24.2	P2_24.5	P2_24.6	P2_24.7	P2_24.8	P2_24.9	P2_24.10
P2_24.11	P2_24.12	P2_24.13	P2_25.4	P3_1.9	P3_1.10	P3_2.11	P3_2.14	P3_2.15	P3_3.11
P3_5.11	P3_6.12	P3_7.7	P3_7.12	P3_8.13	P3_9.7	P3_11.7	P3_12.8	P3_14.3	P3_14.4
P3_14.8	P3_15.4	P3_15.8	P3_16.9	P3_17.4	P3_17.9	P3_18.10	P3_19.1	P3_19.4	P3_19.5
P3_19.10	P3_19.11	P3_19.12	P3_20.13	P3_22.13	P4_1.5	P4_1.9	P4_2.5	P4_2.13	P4_2.14
P4_3.4	P4_4.13	P4_5.4	P4_6.4	P4_6.13	P4_8.4	P4_8.13	P4_10.4	P4_11.10	P4_13.4
P4_14.2	P4_14.3	P4_16.2	P4_18.2	P4_18.6	P4_19.1	P4_19.4	P4_19.5	P4_19.10	P4_19.11
P4_24.2									

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R_1.1	R_1.2	R_1.7	R_1.8	R_1.9	R_2.1	R_2.2	R_2.8	R_2.9	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_4.1	R_4.2	R_4.3
R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.12	R_4.13	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.11	R_5.12	R_5.13	R_6.1
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.11	R_6.12

R_6.13	R_6.14	R_7.4	R_7.5	R_7.6	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14
R_8.4	R_8.5	R_8.6	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_8.15	R_9.4
R_9.5	R_9.6	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.4	R_10.5	R_10.6
R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.4
R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_13.10	R_13.11	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5
R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.14	R_14.15	R_15.1	R_15.2
R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.13
R_15.14	R_16.4	R_16.5	R_16.6	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15
R_17.4	R_17.5	R_17.6	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.4	R_18.5
R_18.6	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.4	R_19.5	R_19.6
R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.11	R_20.12	R_20.13	R_20.14	R_21.1	R_21.2
R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.11	R_21.12	R_21.13	R_22.1
R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.12	R_22.13
R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_24.1	R_24.2
R_24.8	R_24.9	R_25.1	R_25.2	R_25.7	R_25.8	R_25.9	P1_2.7	P1_7.1	P1_7.2
P1_7.3	P1_7.7	P1_7.8	P1_9.3	P1_9.9	P1_11.12	P1_12.13	P1_14.13	P1_16.1	P1_16.2
P1_16.3	P1_16.7	P1_16.8	P1_16.9	P1_17.3	P1_17.9	P1_19.3	P1_19.9	P1_20.10	P1_21.10
P1_22.11	P1_23.11	P1_23.12	P1_24.3	P1_24.4	P1_24.5	P1_24.6	P1_24.7	P2_2.3	P2_2.10
P2_3.9	P2_5.9	P2_7.1	P2_7.2	P2_7.3	P2_7.7	P2_7.8	P2_7.9	P2_8.7	P2_10.7
P2_11.12	P2_12.12	P2_14.12	P2_16.2	P2_16.3	P2_16.7	P2_16.8	P2_16.9	P2_18.7	P2_20.15
P2_21.9	P2_21.14	P2_22.14	P2_23.9	P2_23.12	P2_23.13	P2_24.3	P2_24.4	P2_24.5	P2_24.6
P2_24.7	P3_2.3	P3_2.4	P3_2.5	P3_2.6	P3_2.7	P3_3.9	P3_3.12	P3_3.13	P3_4.14
P3_5.9	P3_5.14	P3_6.15	P3_8.7	P3_10.2	P3_10.3	P3_10.7	P3_10.8	P3_10.9	P3_12.12
P3_14.12	P3_15.12	P3_16.7	P3_18.7	P3_19.1	P3_19.2	P3_19.3	P3_19.7	P3_19.8	P3_19.9
P3_21.9	P3_23.9	P3_24.3	P3_24.10	P4_2.3	P4_2.4	P4_2.5	P4_2.6	P4_2.7	P4_3.11
P4_3.12	P4_4.11	P4_5.10	P4_6.10	P4_7.3	P4_7.9	P4_9.3	P4_9.9	P4_10.1	P4_10.2
P4_10.3	P4_10.7	P4_10.8	P4_10.9	P4_12.13	P4_14.13	P4_15.12	P4_17.3	P4_17.9	P4_19.1
P4_19.2	P4_19.3	P4_19.7	P4_19.8	P4_24.7					

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R_1.2	R_1.3	R_1.11	R_1.12	R_1.13	R_2.2	R_2.3	R_2.12	R_2.13	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.11	R_3.12	R_3.13
R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.12
R_4.13	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9
R_5.11	R_5.12	R_5.13	R_6.1	R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7
R_6.8	R_6.9	R_6.12	R_6.13	R_7.1	R_7.2	R_7.7	R_7.8	R_7.9	R_7.11
R_7.12	R_7.13	R_8.8	R_8.9	R_8.10	R_8.12	R_8.13	R_9.2	R_9.3	R_9.4
R_9.7	R_9.8	R_9.9	R_9.11	R_9.12	R_9.13	R_10.2	R_10.3	R_10.4	R_10.8
R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.2	R_11.3	R_11.4
R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_14.15	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4	R_16.8	R_16.9
R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.2	R_17.3	R_17.4	R_17.7
R_17.8	R_17.9	R_17.11	R_17.12	R_17.13	R_18.8	R_18.9	R_18.10	R_18.12	R_18.13
R_19.1	R_19.2	R_19.7	R_19.8	R_19.9	R_19.11	R_19.12	R_19.13	R_20.1	R_20.2
R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.12	R_20.13	R_21.1
R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.11	R_21.12
R_21.13	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9
R_22.12	R_22.13	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8
R_23.11	R_23.12	R_23.13	R_24.2	R_24.3	R_24.12	R_24.13	R_25.2	R_25.3	R_25.11
R_25.12	R_25.13	P1_2.11	P1_4.11	P1_6.11	P1_7.3	P1_7.4	P1_7.5	P1_7.6	P1_8.1
P1_8.2	P1_8.7	P1_8.11	P1_10.7	P1_11.1	P1_14.1	P1_15.1	P1_16.5	P1_16.6	P1_16.7
P1_17.1	P1_17.10	P1_17.14	P1_18.2	P1_18.3	P1_18.4	P1_18.7	P1_18.11	P1_20.11	P1_22.11
P1_24.1	P1_24.4	P1_24.5	P1_24.6	P1_24.7	P1_24.8	P1_24.11	P1_25.1	P2_2.4	P2_2.14
P2_4.14	P2_6.10	P2_6.14	P2_7.3	P2_7.4	P2_7.5	P2_7.6	P2_8.2	P2_8.3	P2_8.14
P2_9.10	P2_10.5	P2_16.5	P2_16.6	P2_16.7	P2_17.10	P2_17.14	P2_18.3	P2_18.4	P2_18.5
P2_18.14	P2_19.10	P2_20.10	P2_20.14	P2_22.10	P2_22.14	P2_23.9	P2_24.4	P2_24.5	P2_24.6
P2_24.7	P2_24.8	P2_24.9	P2_24.14	P3_2.4	P3_2.5	P3_2.6	P3_2.7	P3_2.8	P3_2.9
P3_2.14	P3_3.9	P3_4.10	P3_4.14	P3_6.10	P3_6.14	P3_7.10	P3_8.3	P3_8.4	P3_8.5
P3_8.14	P3_9.10	P3_9.14	P3_10.5	P3_10.6	P3_10.7	P3_16.5	P3_17.10	P3_18.2	P3_18.3
P3_18.14	P3_19.3	P3_19.4	P3_19.5	P3_19.6	P3_20.10	P3_20.14	P3_22.14	P3_24.4	P3_24.14

P4_1.1	P4_2.1	P4_2.4	P4_2.5	P4_2.6	P4_2.7	P4_2.8	P4_2.11	P4_4.11	P4_6.11
P4_8.2	P4_8.3	P4_8.4	P4_8.7	P4_8.11	P4_9.1	P4_9.10	P4_9.14	P4_10.5	P4_10.6
P4_10.7	P4_11.1	P4_12.1	P4_15.1	P4_16.7	P4_18.1	P4_18.2	P4_18.7	P4_18.11	P4_19.3
P4_19.4	P4_19.5	P4_19.6	P4_20.11	P4_22.11	P4_24.11				

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R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.5	R_2.6	R_2.7	R_2.8
R_2.9	R_2.10	R_2.11	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10
R_3.11	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12
R_5.3	R_5.4	R_5.5	R_5.9	R_5.10	R_5.11	R_5.12	R_6.3	R_6.4	R_6.5
R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_7.3	R_7.4	R_7.8	R_7.9	R_7.10
R_7.11	R_7.12	R_8.3	R_8.4	R_8.8	R_8.9	R_8.10	R_8.12	R_8.13	R_9.2
R_9.3	R_9.4	R_9.7	R_9.8	R_9.9	R_9.11	R_9.12	R_9.13	R_10.3	R_10.4
R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6
R_11.7	R_11.8	R_11.12	R_11.13	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_14.3	R_14.4	R_14.5
R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_15.2	R_15.3
R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.12	R_15.13	R_16.3	R_16.4	R_16.7
R_16.8	R_16.9	R_16.12	R_16.13	R_17.2	R_17.3	R_17.4	R_17.7	R_17.8	R_17.9
R_17.11	R_17.12	R_17.13	R_18.3	R_18.4	R_18.8	R_18.9	R_18.10	R_18.12	R_18.13
R_19.3	R_19.4	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_20.3	R_20.4	R_20.5
R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_21.3	R_21.4	R_21.5	R_21.9	R_21.10
R_21.11	R_21.12	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11
R_22.12	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_24.5
R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	P1_5.6	P1_5.7	P1_5.8	P1_7.2	P1_8.11	P1_10.2	P1_10.11	P1_11.11
P1_12.2	P1_14.2	P1_15.9	P1_15.10	P1_15.11	P1_16.2	P1_16.5	P1_16.6	P1_17.6	P1_18.2
P1_18.7	P1_18.11	P1_19.2	P1_19.7	P1_20.8	P1_21.2	P1_21.8	P1_22.3	P1_23.3	P1_24.4
P1_25.4	P2_5.6	P2_5.7	P2_5.8	P2_6.6	P2_7.5	P2_7.13	P2_8.5	P2_8.11	P2_9.10
P2_10.5	P2_10.10	P2_10.14	P2_11.9	P2_12.14	P2_14.14	P2_15.9	P2_15.10	P2_15.11	P2_16.5
P2_16.6	P2_16.14	P2_18.5	P2_18.14	P2_19.13	P2_21.13	P2_22.13	P2_23.12	P2_24.12	P2_25.11
P3_1.11	P3_2.12	P3_3.12	P3_4.13	P3_5.13	P3_7.13	P3_8.5	P3_8.14	P3_10.5	P3_10.6
P3_10.14	P3_11.9	P3_11.10	P3_11.11	P3_12.14	P3_14.14	P3_15.9	P3_16.5	P3_16.10	P3_16.14
P3_17.10	P3_18.5	P3_18.11	P3_19.5	P3_19.13	P3_20.6	P3_21.6	P3_21.7	P3_21.8	P4_1.4
P4_2.4	P4_3.3	P4_4.3	P4_5.2	P4_5.8	P4_6.8	P4_7.2	P4_7.7	P4_8.2	P4_8.7
P4_8.11	P4_9.6	P4_10.2	P4_10.5	P4_10.6	P4_11.9	P4_11.10	P4_11.11	P4_12.2	P4_14.2
P4_15.11	P4_16.2	P4_16.11	P4_18.11	P4_19.2	P4_21.6	P4_21.7	P4_21.8		

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R_1.12	R_1.13	R_1.14	R_2.5	R_2.13	R_2.14	R_2.15	R_3.4	R_3.5	R_3.6
R_3.9	R_3.10	R_3.13	R_3.14	R_4.4	R_4.5	R_4.6	R_4.7	R_4.9	R_4.10
R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.3	R_5.4	R_5.5	R_5.6	R_5.9
R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7
R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.2	R_7.3	R_7.4
R_7.5	R_7.6	R_7.9	R_7.10	R_7.12	R_7.13	R_7.14	R_8.2	R_8.3	R_8.4
R_8.6	R_8.7	R_8.9	R_8.10	R_8.11	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2
R_9.3	R_9.5	R_9.6	R_9.9	R_9.10	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3
R_10.4	R_10.6	R_10.7	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11
R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.5
R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1
R_14.2	R_14.3	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.4	R_16.6
R_16.7	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2
R_17.3	R_17.5	R_17.6	R_17.9	R_17.10	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4
R_18.6	R_18.7	R_18.9	R_18.10	R_18.11	R_18.13	R_18.14	R_18.15	R_19.2	R_19.3
R_19.4	R_19.5	R_19.6	R_19.9	R_19.10	R_19.12	R_19.13	R_19.14	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_20.15
R_21.3	R_21.4	R_21.5	R_21.6	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14
R_22.4	R_22.5	R_22.6	R_22.7	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14
R_22.15	R_23.4	R_23.5	R_23.6	R_23.9	R_23.10	R_23.13	R_23.14	R_24.5	R_24.13
R_24.14	R_24.15	R_25.12	R_25.13	R_25.14	P1_2.12	P1_3.12	P1_5.8	P1_7.8	P1_7.11
P1_8.5	P1_8.12	P1_9.8	P1_9.12	P1_10.5	P1_12.5	P1_14.5	P1_16.5	P1_16.8	P1_17.8
P1_17.11	P1_17.12	P1_18.1	P1_18.5	P1_19.1	P1_19.8	P1_20.2	P1_21.2	P1_21.8	P1_22.3
P1_23.3	P1_23.8	P1_23.11	P1_23.12	P1_24.4	P1_24.6	P1_24.9	P1_24.10	P1_25.4	P2_5.7

P2_7.7	P2_7.11	P2_8.5	P2_9.4	P2_9.7	P2_9.11	P2_11.4	P2_12.4	P2_14.4	P2_16.8
P2_17.4	P2_17.7	P2_17.11	P2_17.12	P2_19.7	P2_19.11	P2_21.7	P2_23.7	P2_23.11	P2_23.12
P2_24.6	P2_24.7	P2_24.10	P2_24.11	P2_25.5	P3_1.5	P3_2.6	P3_2.7	P3_2.10	P3_2.11
P3_3.7	P3_3.11	P3_3.12	P3_5.7	P3_7.7	P3_7.11	P3_9.4	P3_9.7	P3_9.11	P3_9.12
P3_10.8	P3_12.4	P3_14.4	P3_15.4	P3_17.4	P3_17.7	P3_17.11	P3_18.5	P3_19.7	P3_19.11
P3_21.7	P4_1.4	P4_2.4	P4_2.6	P4_2.9	P4_2.10	P4_3.3	P4_3.8	P4_3.11	P4_3.12
P4_4.3	P4_5.2	P4_5.8	P4_6.2	P4_7.1	P4_7.8	P4_8.1	P4_8.5	P4_9.8	P4_9.11
P4_9.12	P4_10.5	P4_10.8	P4_12.5	P4_14.5	P4_16.5	P4_17.8	P4_17.12	P4_18.5	P4_18.12
P4_19.8	P4_19.11	P4_21.8	P4_23.12	P4_24.12					

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R_1.4	R_1.5	R_1.6	R_1.10	R_1.11	R_1.12	R_2.5	R_2.6	R_2.11	R_2.12
R_3.4	R_3.5	R_3.6	R_3.10	R_3.11	R_3.12	R_4.5	R_4.6	R_4.10	R_4.11
R_4.12	R_5.4	R_5.5	R_5.6	R_5.9	R_5.10	R_5.11	R_5.12	R_6.5	R_6.6
R_6.9	R_6.10	R_6.11	R_6.12	R_7.4	R_7.5	R_7.6	R_7.8	R_7.9	R_7.10
R_7.11	R_8.5	R_8.6	R_8.8	R_8.9	R_8.10	R_8.11	R_9.4	R_9.5	R_9.6
R_9.7	R_9.8	R_9.9	R_9.10	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10
R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10
R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1
R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11
R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2
R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12
R_15.13	R_15.14	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_17.4	R_17.5
R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_18.5	R_18.6	R_18.8	R_18.9	R_18.10
R_18.11	R_19.4	R_19.5	R_19.6	R_19.8	R_19.9	R_19.10	R_19.11	R_20.5	R_20.6
R_20.9	R_20.10	R_20.11	R_20.12	R_21.4	R_21.5	R_21.6	R_21.9	R_21.10	R_21.11
R_21.12	R_22.5	R_22.6	R_22.10	R_22.11	R_22.12	R_23.4	R_23.5	R_23.6	R_23.10
R_23.11	R_23.12	R_24.5	R_24.6	R_24.11	R_24.12	R_25.4	R_25.5	R_25.6	R_25.10
R_25.11	R_25.12	P1_2.4	P1_2.10	P1_4.4	P1_6.4	P1_8.4	P1_10.4	P1_16.1	P1_16.2
P1_16.3	P1_16.4	P1_16.11	P1_16.12	P1_16.13	P1_16.14	P1_18.4	P1_18.7	P1_19.7	P1_20.4
P1_20.8	P1_21.8	P1_22.4	P1_22.9	P1_23.9	P1_24.4	P1_24.10	P2_2.7	P2_2.13	P2_4.7
P2_4.13	P2_6.7	P2_6.13	P2_7.12	P2_8.7	P2_8.12	P2_9.11	P2_10.11	P2_16.2	P2_16.3
P2_16.4	P2_16.11	P2_16.12	P2_16.13	P2_16.14	P2_16.15	P2_18.7	P2_20.7	P2_22.7	P2_22.13
P2_24.7	P2_24.13	P3_2.7	P3_2.13	P3_4.7	P3_4.13	P3_6.7	P3_8.7	P3_10.2	P3_10.3
P3_10.4	P3_10.11	P3_10.12	P3_10.13	P3_10.14	P3_10.15	P3_16.11	P3_17.11	P3_18.7	P3_18.12
P3_19.12	P3_20.7	P3_20.13	P3_22.7	P3_22.13	P3_24.7	P3_24.13	P4_2.4	P4_2.10	P4_3.9
P4_4.4	P4_4.9	P4_5.8	P4_6.4	P4_6.8	P4_7.7	P4_8.4	P4_8.7	P4_10.1	P4_10.2
P4_10.3	P4_10.4	P4_10.11	P4_10.12	P4_10.13	P4_10.14	P4_16.4	P4_18.4	P4_20.4	P4_22.4
P4_24.4	P4_24.10								

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R_1.10	R_1.11	R_1.12	R_2.4	R_2.11	R_2.12	R_3.3	R_3.4	R_3.10	R_3.11
R_3.12	R_4.3	R_4.4	R_4.5	R_4.11	R_4.12	R_5.2	R_5.3	R_5.4	R_5.5
R_5.10	R_5.11	R_5.12	R_6.3	R_6.4	R_6.5	R_6.6	R_6.10	R_6.11	R_6.12
R_7.3	R_7.4	R_7.5	R_7.6	R_7.9	R_7.10	R_7.11	R_8.4	R_8.5	R_8.6
R_8.9	R_8.10	R_8.11	R_9.4	R_9.5	R_9.6	R_9.8	R_9.9	R_9.10	R_10.5
R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11
R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6
R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2
R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.5	R_16.6	R_16.7
R_16.8	R_16.9	R_16.13	R_16.14	R_16.15	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8
R_17.9	R_17.12	R_17.13	R_17.14	R_18.5	R_18.6	R_18.8	R_18.9	R_18.10	R_18.12
R_18.13	R_18.14	R_19.4	R_19.5	R_19.6	R_19.8	R_19.9	R_19.10	R_19.12	R_19.13
R_20.5	R_20.6	R_20.9	R_20.10	R_20.11	R_20.13	R_21.4	R_21.5	R_21.6	R_21.9
R_21.10	R_21.11	R_22.5	R_22.6	R_22.10	R_22.11	R_22.12	R_23.4	R_23.5	R_23.6
R_23.10	R_23.11	R_24.5	R_24.6	R_24.11	R_24.12	R_25.4	R_25.5	R_25.6	R_25.11
P1_2.10	P1_4.10	P1_6.2	P1_7.2	P1_8.3	P1_9.3	P1_10.4	P1_16.1	P1_16.2	P1_16.3
P1_16.4	P1_16.10	P1_16.11	P1_16.12	P1_18.4	P1_18.7	P1_19.7	P1_19.11	P1_20.4	P1_20.8
P1_20.12	P1_21.8	P1_21.12	P1_22.4	P1_22.9	P1_23.9	P1_24.4	P1_24.10	P1_25.10	P2_2.13
P2_4.13	P2_6.13	P2_7.12	P2_8.7	P2_8.12	P2_9.11	P2_10.11	P2_16.2	P2_16.3	P2_16.4
P2_16.10	P2_16.11	P2_16.12	P2_18.7	P2_18.15	P2_19.14	P2_20.7	P2_20.14	P2_21.13	P2_22.7
P2_23.12	P2_24.7	P2_25.12	P3_1.4	P3_2.5	P3_2.13	P3_3.5	P3_4.6	P3_4.13	P3_5.6

P3_6.7	P3_8.7	P3_9.7	P3_10.2	P3_10.3	P3_10.4	P3_10.11	P3_10.12	P3_10.13	P3_10.14
P3_10.15	P3_16.10	P3_17.10	P3_18.7	P3_18.11	P3_19.11	P3_20.7	P3_20.12	P3_21.12	P3_22.7
P3_23.12	P3_24.7	P4_1.3	P4_2.3	P4_2.10	P4_3.2	P4_4.2	P4_4.10	P4_5.9	P4_6.9
P4_7.8	P4_8.8	P4_9.7	P4_10.1	P4_10.2	P4_10.3	P4_10.4	P4_10.11	P4_10.12	P4_10.13
P4_10.14	P4_16.4	P4_16.12	P4_17.11	P4_18.4	P4_20.4	P4_22.4	P4_24.4		

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R_1.12	R_1.13	R_1.14	R_2.12	R_2.13	R_2.14	R_2.15	R_3.12	R_3.13	R_3.14
R_4.4	R_4.5	R_4.12	R_4.13	R_4.14	R_4.15	R_5.3	R_5.4	R_5.5	R_5.11
R_5.12	R_5.13	R_5.14	R_6.3	R_6.4	R_6.5	R_6.6	R_6.11	R_6.12	R_6.13
R_6.14	R_7.3	R_7.4	R_7.5	R_7.6	R_7.10	R_7.11	R_7.12	R_7.13	R_8.4
R_8.5	R_8.6	R_8.10	R_8.11	R_8.12	R_8.13	R_9.4	R_9.5	R_9.6	R_9.9
R_9.10	R_9.11	R_9.12	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11
R_10.12	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.10	R_11.11	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7
R_13.8	R_13.9	R_13.10	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.10	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11
R_17.4	R_17.5	R_17.6	R_17.8	R_17.9	R_17.10	R_17.11	R_18.4	R_18.5	R_18.6
R_18.9	R_18.10	R_18.11	R_18.12	R_19.3	R_19.4	R_19.5	R_19.6	R_19.9	R_19.10
R_19.11	R_19.12	R_20.3	R_20.4	R_20.5	R_20.6	R_20.10	R_20.11	R_20.12	R_20.13
R_21.3	R_21.4	R_21.5	R_21.10	R_21.11	R_21.12	R_21.13	R_22.4	R_22.5	R_22.11
R_22.12	R_22.13	R_22.14	R_23.11	R_23.12	R_23.13	R_23.14	R_24.12	R_24.13	R_24.14
R_24.15	R_25.12	R_25.13	R_25.14	P1_3.11	P1_7.2	P1_8.3	P1_9.3	P1_10.4	P1_16.1
P1_16.2	P1_16.3	P1_16.4	P1_17.7	P1_18.8	P1_19.8	P1_20.9	P1_21.2	P1_21.9	P1_22.3
P1_22.10	P1_23.3	P1_23.4	P1_23.10	P1_24.11	P1_25.11	P2_6.15	P2_7.14	P2_8.7	P2_8.14
P2_9.13	P2_10.13	P2_11.12	P2_12.12	P2_13.11	P2_14.11	P2_16.2	P2_16.3	P2_16.4	P2_17.7
P2_18.7	P2_20.7	P2_21.6	P2_22.6	P2_23.4	P2_23.5	P3_3.4	P3_3.5	P3_4.6	P3_5.6
P3_6.7	P3_8.7	P3_9.7	P3_9.8	P3_10.2	P3_10.3	P3_10.4	P3_14.11	P3_15.11	P3_16.12
P3_17.12	P3_18.7	P3_18.13	P3_19.13	P3_20.14	P3_21.14	P3_22.15	P4_1.11	P4_3.3	P4_3.4
P4_3.11	P4_4.3	P4_4.11	P4_5.2	P4_5.10	P4_6.10	P4_7.9	P4_8.9	P4_9.7	P4_9.8
P4_10.1	P4_10.2	P4_10.3	P4_10.4	P4_16.4	P4_17.3	P4_18.3	P4_19.2		

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R_1.12	R_1.13	R_1.14	R_2.12	R_2.13	R_2.14	R_2.15	R_3.12	R_3.13	R_3.14
R_4.6	R_4.7	R_4.8	R_4.9	R_4.12	R_4.13	R_4.14	R_4.15	R_5.6	R_5.7
R_5.8	R_5.12	R_5.13	R_5.14	R_6.6	R_6.7	R_6.8	R_6.9	R_6.12	R_6.13
R_6.14	R_6.15	R_7.6	R_7.7	R_7.8	R_7.12	R_7.13	R_7.14	R_8.6	R_8.7
R_8.8	R_8.9	R_8.12	R_8.13	R_8.14	R_8.15	R_9.6	R_9.7	R_9.8	R_9.12
R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8
R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3
R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14
R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10
R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5
R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1
R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11
R_16.12	R_16.13	R_16.14	R_16.15	R_17.6	R_17.7	R_17.8	R_17.12	R_17.13	R_17.14
R_18.6	R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_18.14	R_18.15	R_19.6	R_19.7
R_19.8	R_19.12	R_19.13	R_19.14	R_20.6	R_20.7	R_20.8	R_20.9	R_20.12	R_20.13
R_20.14	R_20.15	R_21.6	R_21.7	R_21.8	R_21.12	R_21.13	R_21.14	R_22.6	R_22.7
R_22.8	R_22.9	R_22.12	R_22.13	R_22.14	R_22.15	R_23.12	R_23.13	R_23.14	R_24.12
R_24.13	R_24.14	R_24.15	R_25.12	R_25.13	R_25.14	P1_3.11	P1_5.5	P1_5.11	P1_7.5
P1_7.11	P1_9.5	P1_9.11	P1_17.1	P1_17.2	P1_17.3	P1_17.4	P1_17.5	P1_17.9	P1_17.10
P1_17.11	P1_19.5	P1_19.11	P1_21.5	P1_21.11	P1_23.5	P1_23.6	P1_23.7	P1_23.8	P1_23.11
P1_25.11	P2_5.9	P2_7.9	P2_9.9	P2_17.1	P2_17.2	P2_17.3	P2_17.4	P2_17.5	P2_17.9
P2_17.10	P2_17.11	P2_19.9	P2_21.9	P2_23.6	P2_23.7	P2_23.8	P2_23.9	P3_3.6	P3_3.7
P3_3.8	P3_3.9	P3_5.9	P3_7.9	P3_9.1	P3_9.2	P3_9.3	P3_9.4	P3_9.5	P3_9.9
P3_9.10	P3_9.11	P3_17.9	P3_19.9	P3_21.9	P4_1.11	P4_3.5	P4_3.6	P4_3.7	P4_3.8
P4_3.11	P4_5.5	P4_5.11	P4_7.5	P4_7.11	P4_9.1	P4_9.2	P4_9.3	P4_9.4	P4_9.5
P4_9.9	P4_9.10	P4_9.11	P4_17.5	P4_17.11	P4_19.5	P4_19.11	P4_21.5	P4_21.11	P4_23.11

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R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9
R_3.10	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_5.4	R_5.5
R_5.6	R_5.9	R_5.10	R_6.5	R_6.6	R_6.9	R_6.10	R_6.11	R_7.4	R_7.5
R_7.6	R_7.9	R_7.10	R_8.5	R_8.6	R_8.9	R_8.10	R_8.11	R_9.4	R_9.5
R_9.6	R_9.9	R_9.10	R_10.5	R_10.6	R_10.9	R_10.10	R_10.11	R_11.1	R_11.2
R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3
R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13
R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4
R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14
R_16.5	R_16.6	R_16.9	R_16.10	R_16.11	R_17.4	R_17.5	R_17.6	R_17.9	R_17.10
R_18.5	R_18.6	R_18.9	R_18.10	R_18.11	R_19.4	R_19.5	R_19.6	R_19.9	R_19.10
R_20.5	R_20.6	R_20.9	R_20.10	R_20.11	R_21.4	R_21.5	R_21.6	R_21.9	R_21.10
R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10
R_24.11	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	P1_2.4	P1_4.4
P1_5.7	P1_5.8	P1_6.4	P1_7.8	P1_8.4	P1_9.8	P1_10.4	P1_16.1	P1_16.2	P1_16.3
P1_16.4	P1_16.7	P1_16.8	P1_16.12	P1_16.13	P1_16.14	P1_17.8	P1_18.4	P1_19.8	P1_20.4
P1_21.8	P1_22.4	P1_24.4	P2_3.11	P2_5.7	P2_5.8	P2_5.11	P2_6.7	P2_7.11	P2_8.7
P2_9.11	P2_10.7	P2_16.2	P2_16.3	P2_16.4	P2_16.7	P2_16.8	P2_16.12	P2_16.13	P2_16.14
P2_16.15	P2_17.11	P2_18.7	P2_19.11	P2_20.7	P2_21.11	P2_23.11	P2_25.11	P3_1.11	P3_3.11
P3_5.11	P3_6.7	P3_7.11	P3_8.7	P3_9.11	P3_10.2	P3_10.3	P3_10.4	P3_10.7	P3_10.8
P3_10.12	P3_10.13	P3_10.14	P3_10.15	P3_16.7	P3_17.11	P3_18.7	P3_19.11	P3_20.7	P3_21.7
P3_21.8	P3_21.11	P3_23.11	P4_2.4	P4_4.4	P4_5.8	P4_6.4	P4_7.8	P4_8.4	P4_9.8
P4_10.1	P4_10.2	P4_10.3	P4_10.4	P4_10.7	P4_10.8	P4_10.12	P4_10.13	P4_10.14	P4_16.4
P4_17.8	P4_18.4	P4_19.8	P4_20.4	P4_21.7	P4_21.8	P4_22.4	P4_24.4		

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R_6.3	R_6.4	R_6.5	R_6.6	R_6.10	R_6.11	R_6.12	R_6.13	R_7.2	R_7.3
R_7.4	R_7.5	R_7.6	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_8.2	R_8.3
R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13
R_8.14	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10
R_9.11	R_9.12	R_9.13	R_10.1	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7
R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2
R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_14.2	R_14.3	R_14.4
R_14.5	R_14.6	R_14.7	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.2
R_15.3	R_15.4	R_15.5	R_15.6	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_16.2
R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_16.14	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6	R_17.9	R_17.10	R_17.11	R_17.12
R_17.13	R_18.3	R_18.4	R_18.5	R_18.6	R_18.10	R_18.11	R_18.12	R_18.13	R_19.3
R_19.4	R_19.5	R_19.10	R_19.11	R_19.12	R_20.4	R_20.5	R_20.11	R_20.12	P1_9.1
P1_13.1	P1_13.7	P1_13.8	P1_13.14	P1_15.1	P1_15.8	P1_17.1	P1_17.8	P1_18.2	P1_18.9
P1_19.2	P1_19.9	P1_20.3	P1_20.10	P1_21.3	P1_21.4	P1_21.10	P1_21.11	P2_9.14	P2_13.1
P2_13.7	P2_13.8	P2_13.14	P2_15.7	P2_15.14	P2_17.7	P2_17.14	P2_18.7	P2_18.14	P2_19.6
P2_19.13	P2_20.6	P2_20.13	P2_21.4	P2_21.5	P2_21.11	P2_21.12	P3_5.3	P3_5.4	P3_5.5
P3_5.6	P3_5.10	P3_5.11	P3_5.12	P3_5.13	P3_6.7	P3_6.14	P3_7.7	P3_7.8	P3_7.14
P3_9.1	P3_9.14	P3_13.7	P3_13.14	P3_15.7	P3_15.14	P4_5.2	P4_5.3	P4_5.4	P4_5.5
P4_5.9	P4_5.10	P4_5.11	P4_5.12	P4_6.2	P4_6.9	P4_7.1	P4_7.7	P4_7.8	P4_9.1
P4_9.14	P4_13.1	P4_13.8	P4_15.1	P4_15.8					

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R_1.6	R_1.7	R_1.8	R_1.9	R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9
R_4.10	R_4.11	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10
R_5.11	R_6.3	R_6.4	R_6.5	R_6.6	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12
R_7.2	R_7.3	R_7.4	R_7.5	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_8.2
R_8.3	R_8.4	R_8.5	R_8.6	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_9.1
R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11
R_9.12	R_10.1	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7
R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5
R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_13.1	R_13.2

R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13
R_14.2	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_15.2	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13
R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_17.5
R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_18.5	R_18.6
R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_19.4	R_19.5
R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.4
R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.11	R_21.12	R_21.13	R_21.14	R_22.4
R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.12	R_22.14	R_22.15	R_23.3	R_23.4
R_23.5	R_23.7	R_23.8	R_23.9	R_23.14	R_24.4	R_24.5	R_24.8	R_24.9	R_24.14
R_24.15	R_25.3	R_25.4	R_25.8	R_25.14	P1_6.7	P1_7.7	P1_13.3	P1_14.1	P1_14.4
P1_15.1	P1_15.4	P1_16.2	P1_17.4	P1_20.4	P1_21.10	P1_22.11	P1_22.13	P1_23.6	P1_23.11
P1_23.13	P1_24.3	P1_24.7	P1_25.7	P1_25.13	P2_6.7	P2_7.6	P2_8.13	P2_10.13	P2_13.3
P2_14.3	P2_14.14	P2_16.3	P2_16.14	P2_20.15	P2_21.10	P2_22.10	P2_22.13	P2_23.6	P2_23.12
P2_24.6	P2_24.10	P2_25.5	P2_25.9	P3_1.10	P3_2.11	P3_3.11	P3_4.4	P3_4.12	P3_5.12
P3_6.13	P3_7.6	P3_8.7	P3_8.13	P3_10.13	P3_11.13	P3_12.14	P3_14.3	P3_14.14	P3_16.14
P3_17.14	P3_18.15	P3_20.15	P3_22.10	P4_1.5	P4_2.5	P4_3.4	P4_4.3	P4_4.4	P4_5.2
P4_6.2	P4_7.1	P4_7.7	P4_8.1	P4_8.7	P4_15.4	P4_17.4	P4_18.4	P4_20.4	P4_21.3
P4_22.3	P4_23.13	P4_24.3							

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R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_2.1	R_2.2	R_2.3	R_2.4
R_2.5	R_2.6	R_2.7	R_3.1	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_5.1	R_5.2	R_5.3	R_5.6	R_5.7	R_5.8
R_5.9	R_5.10	R_5.11	R_6.1	R_6.2	R_6.3	R_6.6	R_6.7	R_6.8	R_6.9
R_6.10	R_6.11	R_6.12	R_7.1	R_7.2	R_7.3	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_7.12	R_8.1	R_8.2	R_8.3	R_8.6	R_8.7	R_8.8	R_8.9
R_8.10	R_8.11	R_8.12	R_8.13	R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8
R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_10.1	R_10.2	R_10.3	R_10.6	R_10.7
R_10.8	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.6	R_11.7
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5
R_12.6	R_12.7	R_12.8	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2
R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14
R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.11	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.6	R_15.7	R_15.10	R_15.11
R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.6	R_16.7	R_16.8	R_16.11
R_16.12	R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_17.9
R_17.10	R_17.11	R_17.12	R_17.13	R_18.1	R_18.2	R_18.3	R_18.6	R_18.7	R_18.8
R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_19.1	R_19.2	R_19.3	R_19.6	R_19.7
R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_20.1	R_20.2	R_20.3	R_20.6	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_21.1	R_21.2	R_21.3	R_21.6	R_21.7
R_21.8	R_21.9	R_21.10	R_21.11	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6
R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5
R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_24.1	R_24.2	R_24.3	R_24.4	R_24.5
R_24.6	R_24.7	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	P1_5.4	P1_5.5
P1_7.5	P1_9.5	P1_10.9	P1_10.10	P1_11.5	P1_12.10	P1_14.10	P1_15.4	P1_15.5	P1_16.10
P1_17.5	P1_19.5	P1_21.5	P1_24.8	P1_24.9	P1_24.10	P2_5.4	P2_5.5	P2_6.4	P2_8.4
P2_10.4	P2_10.9	P2_10.10	P2_11.8	P2_13.8	P2_15.4	P2_15.5	P2_15.8	P2_16.4	P2_16.15
P2_17.14	P2_18.4	P2_18.14	P2_19.13	P2_20.4	P2_20.13	P2_21.12	P2_22.12	P2_23.11	P2_24.8
P2_24.9	P2_24.10	P2_24.11	P2_25.7	P3_1.7	P3_2.8	P3_2.9	P3_2.10	P3_2.11	P3_3.11
P3_4.12	P3_5.12	P3_6.4	P3_6.13	P3_7.13	P3_8.4	P3_8.14	P3_9.14	P3_10.4	P3_10.15
P3_11.4	P3_11.5	P3_11.8	P3_13.8	P3_15.8	P3_16.4	P3_16.9	P3_16.10	P3_18.4	P3_20.4
P3_21.4	P3_21.5	P4_2.8	P4_2.9	P4_2.10	P4_5.5	P4_7.5	P4_9.5	P4_10.10	P4_11.4
P4_11.5	P4_12.10	P4_14.10	P4_15.5	P4_16.9	P4_16.10	P4_17.5	P4_19.5	P4_21.4	P4_21.5

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R_2.5	R_2.11	R_3.4	R_3.5	R_3.10	R_3.11	R_4.3	R_4.4	R_4.5	R_4.6
R_4.7	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3	R_5.4	R_5.5
R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_6.2	R_6.3
R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13
R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.5	R_8.7
R_8.8	R_8.9	R_8.11	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.7	R_9.8
R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.7	R_10.8	R_10.9	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.7	R_11.8	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3
R_12.7	R_12.8	R_12.9	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.7	R_13.8

R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.7	R_14.8	R_14.9	R_14.13	R_14.14
R_14.15	R_15.1	R_15.2	R_15.7	R_15.8	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.7	R_16.8	R_16.9	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.6
R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.5
R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_19.2
R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12
R_19.13	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10
R_20.11	R_20.12	R_20.13	R_20.14	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2
R_22.3	R_22.7	R_22.8	R_22.9	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.7
R_23.8	R_23.13	R_23.14	R_24.2	R_24.3	R_24.8	R_24.13	R_24.14	R_25.2	R_25.3
R_25.12	R_25.13	P1_8.4	P1_8.6	P1_8.10	P1_8.12	P1_9.4	P1_9.6	P1_9.10	P1_9.12
P1_11.6	P1_11.12	P1_13.6	P1_13.12	P1_15.6	P1_15.12	P1_18.1	P1_19.1	P1_22.4	P1_22.5
P1_22.6	P1_22.10	P1_22.11	P1_22.12	P1_23.6	P1_23.12	P1_24.1	P1_24.7	P1_25.1	P1_25.7
P2_8.4	P2_8.6	P2_8.10	P2_8.12	P2_9.3	P2_9.5	P2_9.9	P2_9.11	P2_11.3	P2_11.9
P2_13.3	P2_13.9	P2_15.3	P2_15.9	P2_18.15	P2_19.14	P2_22.4	P2_22.5	P2_22.6	P2_22.10
P2_22.11	P2_22.12	P2_23.3	P2_23.9	P2_24.9	P2_24.15	P2_25.8	P2_25.14	P3_1.5	P3_1.11
P3_2.6	P3_2.12	P3_3.3	P3_3.6	P3_3.7	P3_3.9	P3_3.12	P3_3.13	P3_4.8	P3_4.14
P3_5.14	P3_6.15	P3_9.3	P3_9.9	P3_11.3	P3_11.9	P3_13.3	P3_13.9	P3_15.3	P3_15.9
P3_16.4	P3_16.10	P3_17.4	P3_17.5	P3_17.10	P3_17.11	P3_19.14	P3_20.15	P3_23.3	P3_24.4
P4_1.4	P4_1.10	P4_2.4	P4_2.10	P4_3.2	P4_3.3	P4_3.6	P4_3.8	P4_3.9	P4_3.12
P4_4.2	P4_4.8	P4_5.1	P4_6.1	P4_9.6	P4_9.12	P4_11.6	P4_11.12	P4_13.6	P4_13.12
P4_15.6	P4_15.12	P4_16.6	P4_16.12	P4_17.4	P4_17.5	P4_17.10	P4_17.11	P4_19.1	P4_20.1
P4_23.12	P4_24.12								

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R_1.7	R_1.8	R_2.7	R_2.8	R_2.9	R_3.6	R_3.7	R_3.8	R_3.9	R_4.6
R_4.7	R_4.8	R_4.9	R_4.10	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10
R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_7.4	R_7.5	R_7.6
R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8
R_8.9	R_8.10	R_8.11	R_8.12	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8
R_9.9	R_9.10	R_9.11	R_9.12	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8
R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6
R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_12.2	R_12.3	R_12.4
R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14
R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10
R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.2	R_15.3	R_15.4
R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_16.3
R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13
R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12
R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_19.4
R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_20.5	R_20.6	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10
R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_23.6	R_23.7	R_23.8	R_23.9	R_24.7
R_24.8	R_24.9	R_25.7	R_25.8	P1_14.1	P1_15.1	P1_16.2	P1_17.2	P1_18.3	P1_19.3
P1_20.4	P1_21.4	P1_22.5	P1_23.5	P1_24.6	P1_25.6	P2_14.15	P2_15.14	P2_16.14	P2_17.13
P2_18.13	P2_19.12	P2_20.12	P2_21.11	P2_22.11	P2_23.10	P2_24.10	P2_25.9	P3_1.9	P3_2.10
P3_3.10	P3_4.11	P3_5.11	P3_6.12	P3_7.12	P3_8.13	P3_9.13	P3_10.14	P3_11.14	P3_12.15
P4_1.6	P4_2.6	P4_3.5	P4_4.5	P4_5.4	P4_6.4	P4_7.3	P4_8.3	P4_9.2	P4_10.2
P4_11.1	P4_12.1								

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R_1.8	R_1.9	R_2.8	R_2.9	R_2.10	R_3.7	R_3.8	R_3.9	R_3.10	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11
R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_7.3	R_7.4	R_7.6	R_7.7	R_7.8
R_7.9	R_7.10	R_7.11	R_8.3	R_8.4	R_8.5	R_8.7	R_8.8	R_8.9	R_8.10
R_8.11	R_8.15	R_9.2	R_9.3	R_9.4	R_9.5	R_9.7	R_9.8	R_9.9	R_9.10
R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.8	R_10.9	R_10.10	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.13
R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10
R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5
R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2
R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12
R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7
R_15.8	R_15.9	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.8	R_16.9
R_16.10	R_16.14	R_16.15	R_17.2	R_17.3	R_17.4	R_17.5	R_17.7	R_17.8	R_17.9
R_17.10	R_17.14	R_18.3	R_18.4	R_18.5	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11

R_18.15	R_19.3	R_19.4	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_20.7
R_20.8	R_20.9	R_20.10	R_20.11	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11
R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_23.7	R_23.8	R_23.9	R_23.10	R_24.8
R_24.9	R_24.10	R_25.8	R_25.9	P1_6.6	P1_8.6	P1_9.6	P1_10.7	P1_12.1	P1_14.1
P1_15.10	P1_15.11	P1_15.12	P1_16.1	P1_16.6	P1_16.7	P1_16.13	P1_17.1	P1_17.13	P1_18.2
P1_18.14	P1_19.2	P1_19.14	P1_20.3	P1_20.4	P1_20.6	P1_22.6	P1_23.6	P1_24.7	P1_25.7
P2_6.12	P2_8.12	P2_9.11	P2_10.6	P2_10.11	P2_11.10	P2_15.10	P2_15.11	P2_15.12	P2_16.6
P2_16.7	P2_18.6	P2_19.5	P2_20.4	P2_20.5	P2_20.12	P2_22.12	P2_23.11	P2_24.11	P2_25.10
P3_1.10	P3_2.11	P3_3.11	P3_4.12	P3_6.4	P3_6.5	P3_6.12	P3_7.5	P3_8.6	P3_10.6
P3_10.7	P3_11.10	P3_11.11	P3_11.12	P3_15.10	P3_16.6	P3_16.11	P3_17.11	P3_18.12	P3_20.12
P4_1.7	P4_2.7	P4_3.6	P4_4.6	P4_6.3	P4_6.4	P4_6.6	P4_7.2	P4_7.14	P4_8.2
P4_8.14	P4_9.1	P4_9.13	P4_10.1	P4_10.6	P4_10.7	P4_10.13	P4_11.10	P4_11.11	P4_11.12
P4_12.1	P4_14.1	P4_16.7	P4_17.6	P4_18.6	P4_20.6				

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R_1.5	R_1.6	R_1.7	R_2.5	R_2.6	R_2.7	R_2.8	R_3.4	R_3.5	R_3.6
R_3.7	R_3.8	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_5.3	R_5.4
R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7
R_6.8	R_6.9	R_6.10	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8
R_7.9	R_7.10	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9
R_8.10	R_8.11	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9
R_9.10	R_9.11	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8
R_11.9	R_11.10	R_11.11	R_11.12	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7
R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_14.3	R_14.4	R_14.5	R_14.6
R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_15.2	R_15.3	R_15.4
R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_16.2	R_16.3
R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_17.2
R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_18.2
R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_19.2
R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_21.3	R_21.4	R_21.5	R_21.6
R_21.7	R_21.8	R_21.9	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_24.5	R_24.6	R_24.7	R_24.8	R_25.5	R_25.6
R_25.7	P1_9.1	P1_11.1	P1_12.2	P1_13.2	P1_17.1	P1_19.1	P1_20.2	P1_21.2	P1_22.3
P1_23.3	P1_24.4	P1_25.4	P2_14.14	P2_15.13	P2_16.13	P2_17.12	P2_18.12	P2_19.11	P2_20.11
P2_21.10	P2_22.10	P2_23.9	P2_24.9	P2_25.8	P3_1.8	P3_2.9	P3_3.9	P3_4.10	P3_5.10
P3_6.11	P3_7.11	P3_8.12	P3_9.12	P3_10.13	P3_11.13	P3_12.14	P4_1.4	P4_2.4	P4_3.3
P4_4.3	P4_5.2	P4_6.2	P4_7.1	P4_9.1	P4_13.2	P4_14.2	P4_15.1	P4_17.1	

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R_1.7	R_2.7	R_2.8	R_3.6	R_3.7	R_3.8	R_4.6	R_4.7	R_4.8	R_4.9
R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9
R_6.10	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_8.4	R_8.5
R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.15	R_9.3	R_9.4	R_9.5
R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.14	R_10.3	R_10.4	R_10.5	R_10.6
R_10.7	R_10.8	R_10.9	R_10.10	R_10.14	R_10.15	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4	R_12.5
R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15
R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10
R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7
R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.2	R_15.3
R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.13	R_15.14	R_16.3	R_16.4
R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.14	R_16.15	R_17.3	R_17.4
R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.14	R_18.4	R_18.5	R_18.6
R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.15	R_19.4	R_19.5	R_19.6	R_19.7
R_19.8	R_19.9	R_19.10	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_21.5
R_21.6	R_21.7	R_21.8	R_21.9	R_22.6	R_22.7	R_22.8	R_22.9	R_23.6	R_23.7
R_23.8	R_24.7	R_24.8	R_25.7	P1_14.1	P1_15.1	P1_15.10	P1_15.11	P1_15.12	P1_16.2
P1_16.13	P1_17.2	P1_17.13	P1_18.3	P1_18.14	P1_19.3	P1_19.14	P1_20.4	P1_21.4	P1_22.5
P1_23.5	P1_24.6	P1_25.6	P2_9.11	P2_10.11	P2_11.10	P2_15.10	P2_15.11	P2_15.12	P2_19.11
P2_20.11	P2_21.10	P2_22.10	P2_23.9	P2_24.9	P2_25.8	P3_1.8	P3_2.9	P3_3.9	P3_4.10
P3_5.10	P3_6.11	P3_7.11	P3_11.10	P3_11.11	P3_11.12	P3_15.10	P3_16.11	P3_17.11	P4_1.6
P4_2.6	P4_3.5	P4_4.5	P4_5.4	P4_6.4	P4_7.3	P4_7.14	P4_8.3	P4_8.14	P4_9.2
P4_9.13	P4_10.2	P4_10.13	P4_11.1	P4_11.10	P4_11.11	P4_11.12	P4_12.1		

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R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7
R_3.8	R_3.9	R_3.10	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10
R_4.11	R_5.3	R_5.4	R_5.5	R_6.4	R_6.5	R_6.6	R_7.3	R_7.4	R_7.5
R_7.6	R_7.7	R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.4
R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14
R_8.15	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11
R_9.12	R_9.13	R_9.14	R_10.2	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1
R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_13.1	R_13.2	R_13.3
R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_14.1	R_14.2	R_14.3	R_14.4	R_14.5
R_14.6	R_14.7	R_14.8	R_15.1	R_15.2	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8
R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.4	R_16.5	R_16.6
R_16.7	R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.3
R_17.4	R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13
R_17.14	R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12
R_18.13	R_18.14	R_18.15	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9
R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.4	R_20.5	R_20.6	R_21.3	R_21.4
R_21.5	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_24.4	R_24.5	R_24.6
R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	P1_4.3	P1_5.6	P1_5.7	P1_5.8	P1_5.9	P1_5.10	P1_6.3	P1_8.3
P1_10.3	P1_11.3	P1_12.9	P1_12.10	P1_12.11	P1_12.12	P1_12.13	P1_12.14	P1_15.3	P1_16.1
P1_17.1	P1_18.3	P1_20.3	P1_20.7	P1_20.8	P1_20.9	P1_20.10	P1_20.11	P1_20.12	P1_20.13
P1_20.14	P1_22.3	P1_24.3	P1_25.3	P2_3.11	P2_5.6	P2_5.7	P2_5.8	P2_5.9	P2_5.10
P2_5.11	P2_12.9	P2_12.10	P2_12.11	P2_12.12	P2_12.13	P2_12.14	P2_12.15	P2_14.9	P2_15.3
P2_16.3	P2_17.2	P2_20.7	P2_20.8	P2_20.9	P2_20.10	P2_20.11	P2_20.12	P2_20.13	P2_20.14
P2_20.15	P2_21.6	P2_23.11	P2_25.11	P3_1.11	P3_3.11	P3_5.6	P3_6.7	P3_6.8	P3_6.9
P3_6.10	P3_6.11	P3_6.12	P3_6.13	P3_6.14	P3_6.15	P3_9.2	P3_10.3	P3_11.3	P3_12.9
P3_14.9	P3_14.10	P3_14.11	P3_14.12	P3_14.13	P3_14.14	P3_14.15	P3_21.6	P3_21.7	P3_21.8
P3_21.9	P3_21.10	P3_21.11	P3_23.11	P4_1.3	P4_2.3	P4_4.3	P4_6.3	P4_6.7	P4_6.8
P4_6.9	P4_6.10	P4_6.11	P4_6.12	P4_6.13	P4_6.14	P4_8.3	P4_9.1	P4_10.1	P4_11.3
P4_14.9	P4_14.10	P4_14.11	P4_14.12	P4_14.13	P4_14.14	P4_15.3	P4_16.3	P4_18.3	P4_20.3
P4_21.6	P4_21.7	P4_21.8	P4_21.9	P4_21.10	P4_22.3				

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R_1.6	R_1.7	R_2.6	R_2.7	R_2.8	R_2.10	R_2.11	R_3.5	R_3.6	R_3.7
R_3.9	R_3.10	R_3.11	R_4.5	R_4.6	R_4.7	R_4.9	R_4.10	R_4.11	R_5.4
R_5.5	R_5.6	R_5.8	R_5.9	R_5.10	R_5.11	R_6.4	R_6.5	R_6.6	R_6.8
R_6.9	R_6.10	R_6.11	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11
R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12
R_9.13	R_9.14	R_10.2	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10
R_10.11	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.4	R_11.5	R_11.6
R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2
R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12
R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7
R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3
R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13
R_14.14	R_14.15	R_15.1	R_15.2	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9
R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.2	R_16.4	R_16.5	R_16.6	R_16.7
R_16.8	R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.3	R_17.4
R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14
R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_19.3	R_19.4
R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_20.4	R_20.5	R_20.6
R_20.8	R_20.9	R_20.10	R_20.11	R_21.4	R_21.5	R_21.6	R_21.8	R_21.9	R_21.10
R_21.11	R_22.5	R_22.6	R_22.7	R_22.9	R_22.10	R_22.11	R_23.5	R_23.6	R_23.7
R_23.9	R_23.10	R_23.11	R_24.6	R_24.7	R_24.8	R_24.10	R_24.11	R_25.6	R_25.7
P1_8.3	P1_10.3	P1_11.3	P1_15.3	P1_16.1	P1_17.1	P1_18.3	P1_18.12	P1_18.13	P1_18.14
P1_20.3	P1_20.7	P1_21.3	P1_21.7	P1_22.4	P1_22.8	P1_23.4	P1_23.8	P1_24.5	P1_24.9
P1_25.5	P1_25.9	P1_25.10	P2_3.8	P2_4.8	P2_4.12	P2_5.7	P2_6.7	P2_6.12	P2_8.12
P2_15.3	P2_16.3	P2_17.2	P2_18.12	P2_18.13	P2_18.14	P2_18.15	P2_20.7	P2_20.12	P2_22.12
P2_24.12	P2_25.8	P2_25.10	P2_25.11	P3_1.8	P3_1.10	P3_1.11	P3_2.12	P3_4.12	P3_6.7
P3_6.12	P3_8.12	P3_8.13	P3_8.14	P3_8.15	P3_9.2	P3_10.3	P3_11.3	P3_18.12	P3_20.7
P3_20.12	P3_21.7	P3_22.8	P3_22.12	P3_23.8	P4_1.5	P4_1.9	P4_1.10	P4_2.5	P4_2.9
P4_3.4	P4_3.8	P4_4.4	P4_4.8	P4_5.3	P4_5.7	P4_6.3	P4_6.7	P4_8.3	P4_8.12
P4_8.13	P4_8.14	P4_9.1	P4_10.1	P4_11.3	P4_15.3	P4_16.3	P4_18.3		

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R_4.9	R_4.10	R_4.11	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_6.7	R_6.8
R_6.9	R_6.10	R_6.11	R_6.12	R_7.1	R_7.6	R_7.7	R_7.8	R_7.9	R_7.10
R_7.11	R_7.12	R_7.13	R_8.1	R_8.2	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10
R_8.11	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2	R_9.4	R_9.5	R_9.6	R_9.7
R_9.8	R_9.9	R_9.10	R_9.11	R_9.12	R_9.13	R_9.14	R_10.2	R_10.3	R_10.4
R_10.5	R_10.6	R_10.7	R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14
R_10.15	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9
R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1
R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11
R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8
R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3
R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13
R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10
R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.4	R_17.5	R_17.6
R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2
R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12	R_18.13	R_18.14	R_19.6
R_19.7	R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_20.7	R_20.8	R_20.9
R_20.10	R_20.11	R_20.12	R_21.7	R_21.8	R_21.9	R_21.10	R_22.9	R_22.10	P1_10.1
P1_12.1	P1_14.1	P1_16.1	P1_17.3	P1_18.4	P1_18.5	P1_19.1	P1_19.5	P1_20.6	P1_20.13
P1_21.6	P1_21.11	P1_22.7	P1_22.8	P1_23.8	P1_23.9	P2_17.3	P2_18.3	P2_18.5	P2_18.15
P2_19.1	P2_19.2	P2_19.14	P2_20.13	P2_20.14	P2_21.11	P2_21.12	P2_22.8	P2_22.11	P2_23.9
P2_23.10	P3_3.9	P3_3.10	P3_3.11	P3_4.8	P3_4.12	P3_5.12	P3_6.2	P3_6.13	P3_6.14
P3_7.2	P3_7.14	P3_8.3	P3_8.5	P3_8.15	P3_9.3	P4_3.8	P4_3.9	P4_3.10	P4_4.7
P4_4.8	P4_5.6	P4_6.1	P4_6.6	P4_6.13	P4_7.5	P4_8.4	P4_8.5	P4_9.3	P4_10.1
P4_12.1	P4_14.1	P4_16.1							

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R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6	R_2.7
R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_3.1	R_3.2	R_3.3
R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_3.13
R_3.14	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8	R_4.9	R_4.10
R_4.11	R_4.12	R_4.13	R_4.14	R_5.1	R_5.2	R_5.3	R_5.4	R_5.5	R_5.6
R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.2	R_6.3
R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13
R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7	R_7.8	R_7.9
R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6
R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.12	R_8.13	R_8.14	R_9.1	R_9.2
R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10	R_9.11	R_9.12
R_9.13	R_9.14	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5
R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13	R_11.14	R_12.2
R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12
R_12.13	R_12.14	R_13.1	R_13.2	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8
R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14	R_14.2	R_14.3	R_14.4	R_14.5
R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.1
R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11
R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8
R_16.9	R_16.10	R_16.11	R_16.12	R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.4
R_17.5	R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14
R_18.2	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11
R_18.12	R_18.13	R_18.14	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7
R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.7	R_20.8	R_20.9
R_21.6	R_21.7	R_21.8	R_21.9	R_22.7	R_22.8	R_22.9	R_23.4	R_23.5	R_23.6
R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8
R_24.9	R_24.10	R_24.11	R_24.12	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9
R_25.10	R_25.11	P1_2.1	P1_4.1	P1_6.1	P1_8.1	P1_10.1	P1_12.1	P1_14.1	P1_16.1
P1_18.1	P1_20.1	P1_20.2	P1_20.3	P1_20.4	P1_20.5	P1_20.6	P1_20.10	P1_20.11	P1_20.12
P1_20.13	P1_20.14	P1_22.6	P1_25.3	P2_2.15	P2_4.15	P2_6.15	P2_8.15	P2_10.15	P2_12.15
P2_14.15	P2_16.15	P2_18.15	P2_20.2	P2_20.3	P2_20.4	P2_20.5	P2_20.6	P2_20.10	P2_20.11
P2_20.12	P2_20.13	P2_20.14	P2_20.15	P2_22.10	P2_25.12	P3_2.15	P3_4.15	P3_6.15	P3_8.15
P3_10.15	P3_12.15	P3_14.15	P3_16.15	P3_18.15	P3_20.10	P3_22.5	P3_22.6	P3_22.10	P3_22.11
P3_22.12	P3_23.12	P4_2.1	P4_4.1	P4_6.1	P4_8.1	P4_10.1	P4_12.1	P4_14.1	P4_16.1
P4_18.1	P4_20.6	P4_22.4	P4_22.5	P4_22.6	P4_22.10	P4_22.11	P4_23.3		

S99

R_1.5	R_1.6	R_1.7	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8	R_3.3	R_3.4
R_3.5	R_3.6	R_3.7	R_3.8	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8
R_4.9	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_6.3	R_6.4
R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_7.3	R_7.4	R_7.7	R_7.8	R_7.9
R_8.3	R_8.4	R_8.5	R_8.7	R_8.8	R_8.9	R_9.2	R_9.3	R_9.4	R_9.5
R_9.6	R_9.7	R_9.8	R_9.9	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7
R_10.8	R_10.9	R_10.13	R_11.1	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7
R_11.8	R_11.9	R_11.12	R_11.13	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_13.3	R_13.4	R_13.5	R_13.6	R_13.7
R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_14.3	R_14.4	R_14.5	R_14.6
R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14	R_15.2	R_15.3
R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13
R_15.14	R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10
R_16.11	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5
R_17.6	R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.12	R_17.13	R_17.14	R_18.2
R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.12
R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.5	R_19.6	R_19.7
R_19.8	R_19.9	R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4
R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14
R_20.15	R_21.1	R_21.2	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9
R_21.10	R_21.11	R_21.12	R_21.13	R_21.14	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6
R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_23.2	R_23.3
R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13
R_23.14	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11
R_24.12	R_24.13	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11
R_25.12	P1_5.2	P1_7.2	P1_7.5	P1_7.6	P1_12.1	P1_12.2	P1_12.3	P1_18.1	P1_20.1
P1_22.1	P1_23.1	P1_24.2	P1_24.14	P1_25.2	P1_25.3	P2_6.10	P2_7.5	P2_7.6	P2_8.10
P2_10.10	P2_12.2	P2_12.3	P2_13.14	P2_22.15	P2_24.14	P2_24.15	P2_25.3	P2_25.13	P3_1.4
P3_1.8	P3_2.9	P3_3.9	P3_4.10	P3_6.10	P3_7.5	P3_8.6	P3_8.10	P3_9.13	P3_10.10
P3_10.14	P3_11.10	P3_11.11	P3_11.14	P3_13.14	P3_14.15	P3_22.15	P4_1.3	P4_1.4	P4_2.3
P4_3.2	P4_5.2	P4_7.2	P4_7.6	P4_8.2	P4_8.6	P4_9.1	P4_9.12	P4_10.1	P4_10.12
P4_11.10	P4_11.11	P4_12.3	P4_13.2	P4_14.2	P4_15.1	P4_16.1	P4_18.1	P4_20.1	

S100

R_4.1	R_5.1	R_6.1	R_6.2	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6
R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10
R_8.11	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9
R_9.10	R_9.11	R_9.12	R_10.1	R_10.2	R_10.3	R_10.4	R_10.5	R_10.6	R_10.7
R_10.8	R_10.9	R_10.10	R_10.11	R_10.12	R_10.13	R_10.14	R_11.1	R_11.2	R_11.3
R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.12	R_11.13
R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8	R_12.9
R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_13.14
R_14.1	R_14.2	R_14.3	R_14.4	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10
R_14.11	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.4	R_15.5
R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.12	R_15.13	R_15.14	R_16.1
R_16.2	R_16.3	R_16.4	R_16.5	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.11
R_16.12	R_16.13	R_17.1	R_17.2	R_17.3	R_17.4	R_17.5	R_17.6	R_17.7	R_17.8
R_17.9	R_17.10	R_18.1	R_18.2	R_18.3	R_18.4	R_18.5	R_18.6	R_18.7	R_19.1
R_19.2	R_20.1	R_20.2	R_21.1	R_21.2	R_22.1	R_22.2	R_23.1	P1_16.14	P1_17.11
P1_17.12	P1_18.8	P1_18.9	P1_18.10	P1_19.3	P1_19.4	P1_19.5	P1_19.6	P1_24.1	P2_16.14
P2_16.15	P2_17.11	P2_17.12	P2_17.13	P2_18.8	P2_18.9	P2_18.10	P2_18.11	P2_19.3	P2_19.4
P2_19.5	P2_19.6	P2_19.7	P2_20.3	P2_22.3	P2_23.2	P2_24.2	P3_3.1	P3_4.2	P3_5.2
P3_6.3	P3_6.4	P3_6.5	P3_6.6	P3_6.7	P3_7.7	P3_7.8	P3_7.9	P3_7.10	P3_7.11
P3_8.12	P3_8.13	P3_9.13	P3_9.14	P3_10.15	P3_20.3	P4_6.3	P4_6.4	P4_6.5	P4_6.6
P4_7.7	P4_7.8	P4_7.9	P4_7.10	P4_8.12	P4_9.13				

Strand Lists for the other nine shapes (SF0, SF1, SF2, S1', S4', S44', S45', S10', S61')

SF0

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2
R_5.3	R_5.6	R_5.7	R_5.8	R_5.9	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2
R_6.3	R_6.4	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.12	R_6.13	R_6.14
R_6.15	R_7.1	R_7.2	R_7.3	R_7.6	R_7.7	R_7.8	R_7.9	R_7.12	R_7.13
R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10
R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8
R_9.9	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.4	R_10.6	R_10.7
R_10.8	R_10.9	R_10.10	R_10.12	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3
R_11.6	R_11.7	R_11.8	R_11.9	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3
R_12.4	R_12.12	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.12	R_13.13
R_13.14	R_14.1	R_14.2	R_14.3	R_14.4	R_14.12	R_14.13	R_14.14	R_14.15	R_15.1
R_15.2	R_15.3	R_15.6	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1
R_16.2	R_16.3	R_16.4	R_16.6	R_16.7	R_16.8	R_16.9	R_16.10	R_16.12	R_16.13
R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.6	R_17.7	R_17.8	R_17.9	R_17.12
R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.6	R_18.7	R_18.8	R_18.9
R_18.10	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.6	R_19.7
R_19.8	R_19.9	R_19.12	R_19.13	R_19.14	R_20.1	R_20.2	R_20.3	R_20.4	R_20.6
R_20.7	R_20.8	R_20.9	R_20.10	R_20.12	R_20.13	R_20.14	R_20.15	R_21.1	R_21.2
R_21.3	R_21.6	R_21.7	R_21.8	R_21.9	R_21.12	R_21.13	R_21.14	R_22.1	R_22.2
R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12
R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7
R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14	R_24.1	R_24.2	R_24.3
R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12	R_24.13
R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8
R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_5.4	P1_5.5	P1_5.10	P1_5.11
P1_7.5	P1_7.11	P1_9.5	P1_9.11	P1_11.5	P1_11.11	P1_12.6	P1_12.7	P1_12.8	P1_12.9
P1_13.11	P1_15.11	P1_17.5	P1_17.11	P1_19.5	P1_19.11	P1_21.5	P1_21.11	P2_5.4	P2_5.5
P2_5.10	P2_5.11	P2_7.4	P2_7.10	P2_9.4	P2_9.10	P2_11.4	P2_11.10	P2_12.7	P2_12.8
P2_12.9	P2_12.10	P2_13.4	P2_15.4	P2_17.4	P2_17.10	P2_19.4	P2_19.10	P2_21.4	P2_21.10
P3_5.4	P3_5.10	P3_7.4	P3_7.10	P3_9.4	P3_9.10	P3_11.4	P3_13.4	P3_14.7	P3_14.8
P3_14.9	P3_14.10	P3_15.4	P3_15.10	P3_17.4	P3_17.10	P3_19.4	P3_19.10	P3_21.4	P3_21.5
P3_21.10	P3_21.11	P4_5.5	P4_5.11	P4_7.5	P4_7.11	P4_9.5	P4_9.11	P4_11.11	P4_13.11
P4_14.6	P4_14.7	P4_14.8	P4_14.9	P4_15.5	P4_15.11	P4_17.5	P4_17.11	P4_19.5	P4_19.11
P4_21.4	P4_21.5	P4_21.10	P4_21.11						

SF1

R_1.1	R_1.2	R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10
R_1.11	R_1.12	R_1.13	R_1.14	R_2.1	R_2.2	R_2.3	R_2.4	R_2.5	R_2.6
R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_2.13	R_2.14	R_2.15	R_3.1
R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11
R_3.12	R_3.13	R_3.14	R_4.1	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7
R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_4.15	R_5.1	R_5.2
R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12
R_5.13	R_5.14	R_6.1	R_6.2	R_6.3	R_6.5	R_6.6	R_6.11	R_6.12	R_6.14
R_6.15	R_7.1	R_7.2	R_7.4	R_7.5	R_7.7	R_7.9	R_7.10	R_7.11	R_7.13
R_7.14	R_8.1	R_8.2	R_8.3	R_8.5	R_8.6	R_8.8	R_8.9	R_8.10	R_8.11
R_8.12	R_8.14	R_8.15	R_9.1	R_9.2	R_9.4	R_9.5	R_9.7	R_9.8	R_9.9
R_9.10	R_9.11	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.5	R_10.6	R_10.7
R_10.8	R_10.11	R_10.12	R_10.14	R_10.15	R_11.1	R_11.2	R_11.4	R_11.5	R_11.6
R_11.7	R_11.8	R_11.9	R_11.10	R_11.11	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3
R_12.5	R_12.6	R_12.7	R_12.8	R_12.9	R_12.10	R_12.11	R_12.12	R_12.14	R_12.15
R_13.1	R_13.2	R_13.4	R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11
R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.5	R_14.6	R_14.7	R_14.8	R_14.9
R_14.10	R_14.11	R_14.12	R_14.14	R_14.15	R_15.1	R_15.2	R_15.4	R_15.5	R_15.6
R_15.7	R_15.8	R_15.9	R_15.10	R_15.11	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3
R_16.5	R_16.6	R_16.7	R_16.8	R_16.11	R_16.12	R_16.14	R_16.15	R_17.1	R_17.2
R_17.4	R_17.5	R_17.7	R_17.8	R_17.10	R_17.11	R_17.13	R_17.14	R_18.1	R_18.2
R_18.3	R_18.5	R_18.6	R_18.8	R_18.11	R_18.12	R_18.14	R_18.15	R_19.1	R_19.2
R_19.4	R_19.5	R_19.7	R_19.8	R_19.10	R_19.11	R_19.13	R_19.14	R_20.1	R_20.2
R_20.3	R_20.5	R_20.6	R_20.11	R_20.12	R_20.14	R_20.15	R_21.1	R_21.2	R_21.3

R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13
R_21.14	R_22.1	R_22.2	R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9
R_22.10	R_22.11	R_22.12	R_22.13	R_22.14	R_22.15	R_23.1	R_23.2	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11	R_23.12	R_23.13	R_23.14
R_24.1	R_24.2	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10
R_24.11	R_24.12	R_24.13	R_24.14	R_24.15	R_25.1	R_25.2	R_25.3	R_25.4	R_25.5
R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	R_25.12	R_25.13	R_25.14	P1_6.4
P1_6.7	P1_6.8	P1_6.9	P1_6.10	P1_6.13	P1_8.4	P1_8.7	P1_8.13	P1_10.4	P1_10.9
P1_10.10	P1_10.13	P1_12.4	P1_12.13	P1_14.4	P1_14.13	P1_16.4	P1_16.9	P1_16.10	P1_16.13
P1_17.6	P1_18.4	P1_18.7	P1_18.10	P1_18.13	P1_20.4	P1_20.7	P1_20.8	P1_20.10	P1_20.13
P2_6.4	P2_6.7	P2_6.8	P2_6.9	P2_6.10	P2_6.13	P2_7.3	P2_7.6	P2_7.12	P2_9.3
P2_9.6	P2_9.12	P2_10.9	P2_10.10	P2_11.3	P2_11.12	P2_13.3	P2_13.12	P2_15.3	P2_15.12
P2_16.9	P2_16.10	P2_17.3	P2_17.6	P2_17.12	P2_18.9	P2_19.3	P2_19.6	P2_19.12	P2_20.8
P2_20.9	P3_6.8	P3_6.10	P3_7.3	P3_7.6	P3_7.8	P3_7.12	P3_9.3	P3_9.6	P3_9.12
P3_10.9	P3_10.10	P3_11.3	P3_11.12	P3_13.3	P3_13.12	P3_15.3	P3_15.12	P3_16.9	P3_17.3
P3_17.6	P3_17.12	P3_18.9	P3_19.3	P3_19.6	P3_19.12	P3_20.4	P3_20.7	P3_20.8	P3_20.9
P3_20.10	P3_20.13	P4_6.4	P4_6.7	P4_6.9	P4_6.10	P4_6.13	P4_7.8	P4_8.4	P4_8.7
P4_8.13	P4_9.6	P4_10.4	P4_10.9	P4_10.10	P4_10.13	P4_12.4	P4_12.13	P4_14.4	P4_14.13
P4_16.4	P4_16.10	P4_16.13	P4_18.4	P4_18.7	P4_18.10	P4_18.13	P4_20.4	P4_20.7	P4_20.8
P4_20.9	P4_20.10	P4_20.13							

SF2

R_1.10	R_1.11	R_2.10	R_2.11	R_2.14	R_2.15	R_3.2	R_3.3	R_3.7	R_3.8
R_3.10	R_3.11	R_3.14	R_4.3	R_4.5	R_4.6	R_4.8	R_4.10	R_4.11	R_4.14
R_4.15	R_5.2	R_5.3	R_5.5	R_5.7	R_5.8	R_5.10	R_5.11	R_5.13	R_5.14
R_6.1	R_6.3	R_6.5	R_6.6	R_6.8	R_6.10	R_6.11	R_6.14	R_6.15	R_7.1
R_7.2	R_7.3	R_7.5	R_7.7	R_7.8	R_7.10	R_7.11	R_7.13	R_7.14	R_8.1
R_8.2	R_8.3	R_8.5	R_8.6	R_8.8	R_8.10	R_8.11	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.5	R_9.7	R_9.8	R_9.10	R_9.11	R_9.12	R_9.13
R_9.14	R_10.2	R_10.3	R_10.5	R_10.6	R_10.8	R_10.10	R_10.11	R_10.12	R_10.13
R_10.14	R_11.2	R_11.3	R_11.4	R_11.5	R_11.6	R_11.7	R_11.8	R_11.9	R_11.10
R_11.11	R_11.12	R_11.13	R_11.14	R_12.3	R_12.4	R_12.5	R_12.6	R_12.7	R_12.8
R_12.9	R_12.10	R_12.11	R_12.12	R_12.13	R_12.14	R_13.2	R_13.3	R_13.4	R_13.5
R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_13.11	R_13.12	R_13.13	R_14.3	R_14.4
R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_14.12	R_14.13	R_14.14
R_15.2	R_15.3	R_15.4	R_15.5	R_15.6	R_15.7	R_15.8	R_15.9	R_15.10	R_15.11
R_15.12	R_15.13	R_15.14	R_16.2	R_16.3	R_16.5	R_16.6	R_16.8	R_16.10	R_16.11
R_16.12	R_16.13	R_16.14	R_17.1	R_17.2	R_17.3	R_17.5	R_17.7	R_17.8	R_17.10
R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.5	R_18.6	R_18.8
R_18.10	R_18.11	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.5	R_19.7
R_19.8	R_19.10	R_19.11	R_19.13	R_19.14	R_20.1	R_20.3	R_20.5	R_20.6	R_20.8
R_20.10	R_20.11	R_20.14	R_20.15	R_21.2	R_21.3	R_21.5	R_21.7	R_21.8	R_21.10
R_21.11	R_21.13	R_21.14	R_22.3	R_22.5	R_22.6	R_22.8	R_22.10	R_22.11	R_22.14
R_22.15	R_23.2	R_23.3	R_23.7	R_23.8	R_23.10	R_23.11	R_23.14	R_24.10	R_24.11
R_24.14	R_24.15	R_25.10	R_25.11	P1_3.9	P1_3.13	P1_4.2	P1_4.7	P1_5.4	P1_5.9
P1_6.2	P1_6.7	P1_6.13	P1_7.4	P1_7.9	P1_8.7	P1_9.4	P1_9.9	P1_10.1	P1_10.7
P1_11.1	P1_12.2	P1_14.2	P1_16.4	P1_16.7	P1_16.9	P1_17.4	P1_17.9	P1_18.7	P1_18.12
P1_19.4	P1_19.9	P1_19.12	P1_20.2	P1_20.7	P1_20.13	P1_21.4	P1_21.9	P1_22.2	P1_22.7
P1_22.13	P1_23.4	P1_23.5	P1_23.9	P1_23.13	P1_24.2	P1_24.3	P1_24.7	P1_24.8	P1_25.9
P1_25.13	P1_25.14	P2_2.12	P2_4.4	P2_4.9	P2_4.12	P2_5.6	P2_6.4	P2_6.9	P2_6.12
P2_7.6	P2_8.4	P2_8.9	P2_8.12	P2_9.6	P2_10.4	P2_10.9	P2_10.15	P2_12.15	P2_13.14
P2_16.4	P2_16.7	P2_16.9	P2_16.15	P2_17.6	P2_18.4	P2_18.9	P2_18.12	P2_19.6	P2_20.2
P2_20.4	P2_20.9	P2_20.12	P2_21.1	P2_21.6	P2_22.4	P2_22.9	P2_22.12	P2_23.5	P2_23.6
P2_24.3	P2_24.4	P2_24.8	P2_24.9	P2_24.12	P2_25.14	P3_1.14	P3_2.3	P3_2.4	P3_2.8
P3_2.9	P3_2.12	P3_3.5	P3_3.6	P3_4.4	P3_4.9	P3_4.12	P3_5.1	P3_5.6	P3_6.2
P3_6.4	P3_6.9	P3_6.12	P3_7.6	P3_8.4	P3_8.9	P3_8.12	P3_9.6	P3_10.4	P3_10.7
P3_10.9	P3_10.15	P3_13.14	P3_14.15	P3_16.4	P3_16.9	P3_16.15	P3_17.6	P3_18.4	P3_18.9
P3_18.12	P3_19.6	P3_20.4	P3_20.9	P3_20.12	P3_21.6	P3_22.4	P3_22.9	P3_22.12	P3_24.12
P4_1.9	P4_1.13	P4_1.14	P4_2.2	P4_2.3	P4_2.7	P4_2.8	P4_3.4	P4_3.5	P4_3.9
P4_3.13	P4_4.2	P4_4.7	P4_4.13	P4_5.4	P4_5.9	P4_6.2	P4_6.7	P4_6.13	P4_7.4
P4_7.9	P4_7.12	P4_8.7	P4_8.12	P4_9.4	P4_9.9	P4_10.4	P4_10.7	P4_10.9	P4_12.2
P4_14.2	P4_15.1	P4_16.1	P4_16.7	P4_17.4	P4_17.9	P4_18.7	P4_19.4	P4_19.9	P4_20.2
P4_20.7	P4_20.13	P4_21.4	P4_21.9	P4_22.2	P4_22.7	P4_23.9	P4_23.13		

S1'

R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5

R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.11
R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6	R_8.7
R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6
R_9.7	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.5	R_10.6	R_10.7
R_10.8	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.5	R_11.6	R_11.7
R_11.8	R_11.12	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.6	R_12.7	R_12.8
R_12.9	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.3	R_13.6	R_13.7	R_13.8
R_13.9	R_13.12	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.7	R_14.8	R_14.9
R_14.10	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.9
R_15.10	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.8	R_16.9	R_16.10
R_16.11	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.8	R_17.9	R_17.10
R_17.11	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4	R_18.9	R_18.10
R_18.11	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3	R_19.4	R_19.9
R_19.10	R_19.11	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5	R_20.6
R_20.7	R_20.8	R_20.9	R_20.10	R_20.11	R_20.12	R_20.13	R_20.14	R_21.2	R_21.3
R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.9	R_21.10	R_21.11	R_21.12	R_21.13
R_22.3	R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12
R_22.13	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_23.12	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10	R_24.11	R_24.12
R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9	R_25.10	R_25.11	P1_7.7	P1_7.8
P1_7.9	P1_7.10	P1_8.11	P1_9.11	P1_10.4	P1_10.12	P1_11.4	P1_12.5	P1_12.12	P1_13.5
P1_14.6	P1_14.12	P1_15.6	P1_16.7	P1_16.12	P1_17.7	P1_18.8	P1_19.8	P1_20.1	P1_21.1
P1_22.2	P1_23.2	P1_24.3	P1_25.3	P2_7.7	P2_7.8	P2_7.9	P2_7.10	P2_10.4	P2_12.4
P2_14.4	P2_16.4	P2_20.15	P2_21.14	P2_22.14	P2_23.13	P2_24.13	P2_25.12	P3_1.12	P3_2.13
P3_3.13	P3_4.14	P3_5.14	P3_6.15	P3_7.7	P3_8.8	P3_9.8	P3_10.4	P3_10.9	P3_11.9
P3_12.4	P3_12.10	P3_13.10	P3_14.4	P3_14.11	P3_15.11	P3_16.4	P3_16.12	P3_17.4	P3_18.5
P3_19.5	P3_19.6	P3_19.7	P3_19.8	P4_1.3	P4_2.3	P4_3.2	P4_4.2	P4_5.1	P4_6.1
P4_10.12	P4_12.12	P4_14.12	P4_16.12	P4_19.5	P4_19.6	P4_19.7	P4_19.8		

S4'

R_1.4	R_1.5	R_1.10	R_1.11	R_2.4	R_2.5	R_2.6	R_2.10	R_2.11	R_2.12
R_3.3	R_3.4	R_3.5	R_3.6	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4
R_4.5	R_4.6	R_4.7	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.5	R_7.6	R_7.7
R_7.8	R_7.9	R_7.10	R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3
R_8.4	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.12	R_8.13	R_8.14	R_8.15
R_9.1	R_9.2	R_9.3	R_9.6	R_9.7	R_9.8	R_9.9	R_9.12	R_9.13	R_9.14
R_10.1	R_10.2	R_10.3	R_10.7	R_10.8	R_10.9	R_10.12	R_10.13	R_10.14	R_10.15
R_11.1	R_11.2	R_11.3	R_11.6	R_11.7	R_11.8	R_11.9	R_11.12	R_11.13	R_11.14
R_12.1	R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_12.12	R_12.13	R_12.14	R_12.15
R_13.1	R_13.2	R_13.3	R_13.6	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14
R_14.1	R_14.2	R_14.3	R_14.7	R_14.8	R_14.9	R_14.12	R_14.13	R_14.14	R_14.15
R_15.1	R_15.2	R_15.3	R_15.7	R_15.8	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2
R_16.3	R_16.8	R_16.12	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3	R_17.12
R_17.13	R_17.14	R_18.2	R_18.3	R_18.4	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1
R_19.2	R_19.3	R_19.4	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3	R_20.4	R_20.5
R_20.12	R_20.13	R_20.14	R_21.2	R_21.3	R_21.4	R_21.5	R_21.10	R_21.11	R_21.12
R_21.13	R_21.14	R_22.3	R_22.4	R_22.5	R_22.6	R_22.11	R_22.12	R_22.13	R_22.14
R_23.2	R_23.3	R_23.4	R_23.5	R_23.10	R_23.11	R_23.12	R_23.13	R_24.3	R_24.4
R_24.5	R_24.6	R_24.11	R_24.12	R_24.13	R_25.3	R_25.4	R_25.5	R_25.11	R_25.12
P1_8.5	P1_8.11	P1_9.5	P1_9.11	P1_10.6	P1_11.11	P1_12.6	P1_13.11	P1_14.6	P1_15.6
P1_15.11	P1_16.7	P1_17.7	P1_17.11	P1_18.1	P1_19.11	P1_20.1	P1_21.1	P1_22.2	P1_22.10
P1_24.2	P1_24.10	P1_25.2	P1_25.10	P2_8.5	P2_8.11	P2_9.4	P2_9.10	P2_10.4	P2_10.10
P2_12.4	P2_12.10	P2_14.4	P2_14.10	P2_15.9	P2_16.4	P2_16.9	P2_17.8	P2_20.15	P2_22.15
P2_23.6	P2_23.14	P2_24.14	P2_25.6	P2_25.13	P3_1.6	P3_1.12	P3_2.7	P3_2.13	P3_3.7
P3_3.13	P3_4.8	P3_4.14	P3_5.14	P3_6.15	P3_10.4	P3_10.10	P3_12.4	P3_12.10	P3_14.4
P3_16.4	P3_17.4	P3_18.5	P3_19.5	P3_20.6	P3_20.11	P3_20.15	P3_21.6	P3_23.6	P4_1.3
P4_1.9	P4_2.3	P4_2.9	P4_3.2	P4_3.8	P4_4.2	P4_4.8	P4_5.1	P4_6.1	P4_9.11
P4_10.6	P4_11.11	P4_12.6	P4_13.11	P4_15.11	P4_17.11	P4_18.1	P4_19.11	P4_20.10	P4_20.11
P4_22.2	P4_22.10								

S44'

R_1.7	R_2.7	R_2.8	R_3.6	R_3.7	R_3.8	R_4.7	R_4.8	R_4.9	R_5.7
R_5.8	R_5.9	R_6.8	R_6.9	R_6.10	R_7.7	R_7.8	R_7.9	R_8.8	R_8.9
R_8.10	R_9.7	R_9.8	R_9.9	R_10.7	R_10.8	R_10.9	R_10.10	R_11.6	R_11.7
R_11.8	R_11.9	R_12.6	R_12.7	R_12.8	R_12.9	R_13.5	R_13.6	R_13.7	R_13.8
R_14.5	R_14.6	R_14.7	R_14.8	R_15.5	R_15.6	R_15.7	R_16.5	R_16.6	R_16.7
R_17.5	R_17.6	R_17.7	R_18.5	R_18.6	R_18.7	R_19.5	R_19.6	R_19.7	R_20.6
R_20.7	R_20.8	R_21.6	R_21.7	R_21.8	R_22.7	R_22.8	R_22.9	R_23.7	R_23.8
R_23.9	R_24.8	R_24.9	R_25.8	P1_4.6	P1_5.6	P1_6.7	P1_8.7	P1_15.4	P1_17.4
P1_19.4	P1_20.5	P1_21.5	P1_22.6	P1_23.6	P1_24.7	P1_25.7	P2_7.10	P2_9.10	P2_11.10
P2_12.10	P2_13.9	P2_14.9	P2_15.8	P2_16.8	P2_18.8	P2_24.10	P2_25.9	P3_1.8	P3_2.9
P3_3.9	P3_4.10	P3_5.10	P3_7.10	P3_9.10	P3_16.8	P3_18.8	P3_19.8	P3_20.9	P3_21.9
P3_22.10	P4_1.6	P4_2.6	P4_6.7	P4_8.7	P4_9.6	P4_10.6	P4_11.5	P4_12.5	P4_13.4
P4_15.4	P4_17.4								

S45'

R_1.3	R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_1.12
R_2.3	R_2.4	R_2.5	R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12
R_2.13	R_3.2	R_3.3	R_3.4	R_3.5	R_3.6	R_3.7	R_3.8	R_3.9	R_3.10
R_3.11	R_3.12	R_3.13	R_4.2	R_4.3	R_4.4	R_4.5	R_4.6	R_4.7	R_4.8
R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_4.14	R_5.1	R_5.2	R_5.3	R_5.4
R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13	R_5.14	R_6.1	R_6.2	R_6.3
R_6.4	R_6.9	R_6.10	R_6.11	R_6.12	R_6.13	R_6.14	R_6.15	R_7.1	R_7.2
R_7.3	R_7.5	R_7.6	R_7.7	R_7.9	R_7.10	R_7.13	R_7.14	R_8.1	R_8.2
R_8.3	R_8.5	R_8.6	R_8.7	R_8.8	R_8.9	R_8.10	R_8.11	R_8.13	R_8.14
R_8.15	R_9.1	R_9.2	R_9.4	R_9.5	R_9.6	R_9.7	R_9.8	R_9.9	R_9.10
R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.5	R_10.6	R_10.7	R_10.8	R_10.9
R_10.10	R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.4	R_11.5	R_11.7	R_11.8
R_11.9	R_11.10	R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.4	R_12.5	R_12.6
R_12.9	R_12.10	R_12.11	R_12.13	R_12.14	R_12.15	R_13.1	R_13.2	R_13.4	R_13.5
R_13.9	R_13.10	R_13.11	R_13.13	R_13.14	R_14.1	R_14.2	R_14.3	R_14.5	R_14.6
R_14.10	R_14.11	R_14.13	R_14.14	R_14.15	R_15.1	R_15.2	R_15.4	R_15.5	R_15.6
R_15.9	R_15.10	R_15.11	R_15.13	R_15.14	R_16.1	R_16.2	R_16.3	R_16.5	R_16.6
R_16.7	R_16.10	R_16.11	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.5	R_17.6
R_17.7	R_17.8	R_17.9	R_17.10	R_17.11	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3
R_18.6	R_18.7	R_18.8	R_18.9	R_18.10	R_18.11	R_18.13	R_18.14	R_18.15	R_19.1
R_19.2	R_19.3	R_19.6	R_19.7	R_19.8	R_19.9	R_19.10	R_19.13	R_19.14	R_20.1
R_20.2	R_20.3	R_20.4	R_20.7	R_20.8	R_20.9	R_20.10	R_20.13	R_20.14	R_20.15
R_21.1	R_21.2	R_21.3	R_21.4	R_21.12	R_21.13	R_21.14	R_22.2	R_22.3	R_22.4
R_22.5	R_22.6	R_22.7	R_22.8	R_22.9	R_22.10	R_22.11	R_22.12	R_22.13	R_22.14
R_23.2	R_23.3	R_23.4	R_23.5	R_23.6	R_23.7	R_23.8	R_23.9	R_23.10	R_23.11
R_23.12	R_23.13	R_24.3	R_24.4	R_24.5	R_24.6	R_24.7	R_24.8	R_24.9	R_24.10
R_24.11	R_24.12	R_24.13	R_25.3	R_25.4	R_25.5	R_25.6	R_25.7	R_25.8	R_25.9
R_25.10	R_25.11	R_25.12	P1_5.5	P1_5.6	P1_5.7	P1_6.8	P1_7.8	P1_7.11	P1_7.12
P1_9.12	P1_10.4	P1_11.6	P1_11.12	P1_12.7	P1_12.8	P1_13.3	P1_13.8	P1_13.12	P1_14.4
P1_14.9	P1_15.12	P1_16.4	P1_16.9	P1_17.4	P1_17.12	P1_18.5	P1_19.5	P1_19.12	P1_20.6
P1_21.6	P1_21.7	P1_21.8	P1_21.9	P1_22.1	P1_23.1	P1_24.2	P1_25.2	P2_5.5	P2_5.6
P2_5.7	P2_6.5	P2_7.4	P2_7.11	P2_7.12	P2_8.4	P2_9.3	P2_9.11	P2_10.11	P2_11.3
P2_11.6	P2_12.8	P2_13.3	P2_13.6	P2_14.12	P2_15.3	P2_16.12	P2_17.3	P2_18.12	P2_19.11
P2_20.11	P2_21.7	P2_21.8	P2_21.9	P2_21.10	P2_22.15	P2_23.14	P2_24.14	P2_25.13	P3_1.13
P3_2.14	P3_3.14	P3_4.15	P3_6.6	P3_6.7	P3_6.8	P3_7.8	P3_7.11	P3_9.3	P3_10.11
P3_11.3	P3_11.6	P3_11.11	P3_12.12	P3_13.3	P3_13.6	P3_14.7	P3_14.12	P3_15.3	P3_15.7
P3_16.8	P3_16.9	P3_16.12	P3_17.3	P3_18.4	P3_19.4	P3_20.5	P3_21.5	P3_21.6	P3_21.7
P3_21.8	P3_21.9	P3_21.10	P3_21.11	P4_1.2	P4_2.2	P4_3.1	P4_4.1	P4_6.5	P4_6.6
P4_6.7	P4_7.4	P4_7.8	P4_7.12	P4_8.4	P4_9.12	P4_10.4	P4_11.3	P4_11.12	P4_13.12
P4_14.4	P4_14.9	P4_15.12	P4_16.8	P4_16.9	P4_17.12	P4_19.12	P4_20.12	P4_21.5	P4_21.6
P4_21.7	P4_21.8	P4_21.9	P4_21.10	P4_21.11					

S10'

R_1.4	R_1.5	R_1.6	R_1.7	R_1.8	R_1.9	R_1.10	R_1.11	R_2.4	R_2.5
R_2.6	R_2.7	R_2.8	R_2.9	R_2.10	R_2.11	R_2.12	R_3.3	R_3.4	R_3.5
R_3.6	R_3.7	R_3.8	R_3.9	R_3.10	R_3.11	R_3.12	R_4.3	R_4.4	R_4.5
R_4.6	R_4.7	R_4.8	R_4.9	R_4.10	R_4.11	R_4.12	R_4.13	R_5.2	R_5.3
R_5.4	R_5.5	R_5.6	R_5.7	R_5.8	R_5.9	R_5.10	R_5.11	R_5.12	R_5.13
R_6.2	R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_6.10	R_6.11
R_6.12	R_6.13	R_6.14	R_7.1	R_7.2	R_7.3	R_7.4	R_7.6	R_7.7	R_7.8
R_7.11	R_7.12	R_7.13	R_7.14	R_8.1	R_8.2	R_8.3	R_8.4	R_8.7	R_8.8
R_8.9	R_8.12	R_8.13	R_8.14	R_8.15	R_9.1	R_9.2	R_9.3	R_9.7	R_9.8
R_9.9	R_9.12	R_9.13	R_9.14	R_10.1	R_10.2	R_10.3	R_10.7	R_10.8	R_10.9

R_10.13	R_10.14	R_10.15	R_11.1	R_11.2	R_11.3	R_11.7	R_11.8	R_11.9	R_11.12
R_11.13	R_11.14	R_12.1	R_12.2	R_12.3	R_12.7	R_12.8	R_12.9	R_12.13	R_12.14
R_12.15	R_13.1	R_13.2	R_13.3	R_13.7	R_13.8	R_13.9	R_13.12	R_13.13	R_13.14
R_14.1	R_14.2	R_14.3	R_14.7	R_14.8	R_14.9	R_14.13	R_14.14	R_14.15	R_15.1
R_15.2	R_15.3	R_15.7	R_15.8	R_15.9	R_15.12	R_15.13	R_15.14	R_16.1	R_16.2
R_16.3	R_16.7	R_16.8	R_16.9	R_16.13	R_16.14	R_16.15	R_17.1	R_17.2	R_17.3
R_17.7	R_17.8	R_17.9	R_17.12	R_17.13	R_17.14	R_18.1	R_18.2	R_18.3	R_18.4
R_18.7	R_18.8	R_18.9	R_18.12	R_18.13	R_18.14	R_18.15	R_19.1	R_19.2	R_19.3
R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.12	R_19.13	R_19.14	R_20.2	R_20.3
R_20.4	R_20.5	R_20.6	R_20.7	R_20.8	R_20.9	R_20.12	R_20.13	R_20.14	R_21.2
R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8	R_21.11	R_21.12	R_21.13	R_22.3
R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_22.11	R_22.12	R_22.13	R_23.3	R_23.4
R_23.5	R_23.6	R_23.7	R_23.11	R_23.12	R_24.4	R_24.5	R_24.6	R_24.7	R_24.11
R_24.12	R_25.4	R_25.5	R_25.6	R_25.11	P1_7.5	P1_7.9	P1_7.10	P1_8.6	P1_8.11
P1_9.6	P1_9.11	P1_10.12	P1_11.6	P1_12.12	P1_13.6	P1_14.12	P1_15.6	P1_16.12	P1_17.6
P1_19.11	P1_20.1	P1_21.1	P1_22.2	P1_23.2	P1_23.10	P1_24.3	P1_25.3	P1_25.10	P2_7.5
P2_7.9	P2_7.10	P2_8.5	P2_9.4	P2_10.4	P2_10.10	P2_12.4	P2_12.10	P2_14.4	P2_14.10
P2_16.4	P2_16.10	P2_18.10	P2_19.9	P2_20.15	P2_21.9	P2_21.14	P2_22.9	P2_22.14	P2_23.8
P2_23.13	P2_24.8	P2_24.13	P2_25.7	P2_25.12	P3_1.12	P3_2.13	P3_3.13	P3_4.14	P3_5.14
P3_6.15	P3_7.9	P3_8.10	P3_10.4	P3_10.10	P3_12.4	P3_12.10	P3_14.4	P3_14.10	P3_16.4
P3_16.10	P3_17.4	P3_18.5	P3_18.6	P3_19.9	P4_1.3	P4_2.3	P4_3.2	P4_4.2	P4_5.1
P4_6.1	P4_9.6	P4_10.12	P4_11.6	P4_12.12	P4_13.6	P4_14.12	P4_15.6	P4_16.12	P4_17.6
P4_17.11	P4_18.5	P4_18.6	P4_19.11	P4_20.11	P4_21.10	P4_23.10			

S61'

R_1.5	R_1.6	R_2.5	R_2.6	R_2.7	R_3.4	R_3.5	R_3.6	R_3.7	R_4.4
R_4.5	R_4.6	R_4.7	R_4.8	R_5.3	R_5.4	R_5.5	R_5.6	R_5.7	R_5.8
R_6.3	R_6.4	R_6.5	R_6.6	R_6.7	R_6.8	R_6.9	R_7.2	R_7.3	R_7.4
R_7.5	R_7.6	R_7.7	R_7.8	R_7.9	R_8.2	R_8.3	R_8.4	R_8.5	R_8.6
R_8.7	R_8.8	R_8.9	R_8.10	R_9.1	R_9.2	R_9.3	R_9.4	R_9.5	R_9.6
R_9.7	R_9.8	R_9.9	R_9.10	R_10.1	R_10.2	R_10.3	R_10.5	R_10.6	R_10.7
R_10.9	R_10.10	R_10.11	R_11.1	R_11.2	R_11.5	R_11.6	R_11.9	R_11.10	R_12.1
R_12.2	R_12.4	R_12.6	R_12.8	R_12.10	R_12.11	R_13.1	R_13.2	R_13.3	R_13.4
R_13.5	R_13.6	R_13.7	R_13.8	R_13.9	R_13.10	R_14.1	R_14.2	R_14.3	R_14.4
R_14.5	R_14.6	R_14.7	R_14.8	R_14.9	R_14.10	R_14.11	R_15.1	R_15.2	R_15.9
R_15.10	R_16.1	R_16.2	R_16.3	R_16.9	R_16.10	R_16.11	R_17.1	R_17.2	R_17.3
R_17.8	R_17.9	R_17.10	R_18.2	R_18.3	R_18.4	R_18.8	R_18.9	R_18.10	R_19.2
R_19.3	R_19.4	R_19.5	R_19.6	R_19.7	R_19.8	R_19.9	R_20.3	R_20.4	R_20.5
R_20.6	R_20.7	R_20.8	R_20.9	R_21.3	R_21.4	R_21.5	R_21.6	R_21.7	R_21.8
R_22.4	R_22.5	R_22.6	R_22.7	R_22.8	R_23.4	R_23.5	R_23.6	R_23.7	R_24.5
R_24.6	R_24.7	R_25.5	R_25.6	P1_10.4	P1_10.8	P1_11.4	P1_11.8	P1_12.5	P1_12.9
P1_15.3	P1_15.4	P1_15.5	P1_15.6	P1_15.7	P1_15.8	P1_18.1	P1_19.1	P1_20.2	P1_21.2
P1_22.3	P1_23.3	P1_24.4	P1_25.4	P2_10.4	P2_10.8	P2_11.3	P2_11.7	P2_11.11	P2_12.3
P2_12.7	P2_13.11	P2_15.3	P2_15.4	P2_15.5	P2_15.6	P2_15.7	P2_15.8	P2_15.11	P2_17.11
P2_18.11	P2_19.10	P2_20.10	P2_21.9	P2_22.9	P2_23.8	P2_24.8	P2_25.7	P3_1.7	P3_2.8
P3_3.8	P3_4.9	P3_5.9	P3_6.10	P3_7.10	P3_8.11	P3_9.11	P3_11.4	P3_11.8	P3_11.11
P3_12.3	P3_12.5	P3_12.7	P3_12.9	P3_13.11	P3_15.3	P3_15.11	P3_16.4	P3_17.4	P3_18.5
P3_18.6	P3_18.7	P4_1.4	P4_2.4	P4_3.3	P4_4.3	P4_5.2	P4_6.2	P4_7.1	P4_8.1
P4_11.3	P4_11.7	P4_12.3	P4_12.5	P4_12.7	P4_12.9	P4_15.8	P4_16.8	P4_17.7	P4_18.5
P4_18.6	P4_18.7								