

sRk11

[illegible]

sRk28

[illegible]

sRk33

Srk33 **BRE/TATA box** **+1** * <***** ** *<<<<< >>>>>*> >>>>*

Pab (36754-636914) TGAGCCACCA-ACCTAGT**TTAAGT**TTTTAAAC**T**CCCTTTTAACTCTCAAA**CCGAGCA**-AATGAGGCT**TCTCT**CTCTGGCGGGTTC**CCGCCGAGGGA**AGCCGATGTC---GAA**AA**TTTTT

Pfu (1289981-1290141) --GAGTATATAGAGCA-**T**TA**AAAT**TTTTAAAC**T**CTCTCTGAATTTACAC**CGAGCT**CAATGAG**CG**CCCTCA-CTAAAGCGGGGTTCCCG**CCGAGGGG**CTGATGTC---GAA**AG**CTTTT

Pho (1327937-1327777) --AGCTTAAAGAA**T**TA**GT**TA**AAAT**TTTTAAAC**T**CTCCCTTAACTCAAA**CGGGA**-AATGAGGCT**TCTCT**CA-GTTTGGCGGGTTC**CCGCCGAGGA**AGCCGAGATC---GAA**AG**CTTTT

Ton (701606-701445) --CAACGCGGC--ATTAGT**TAAGT**TTTTAAAC**T**CTCTCAAGT**T**-CACT**CGAA**CTCATGAGG**CTCCCGAGAA**AAAGCGGGTTCC**CGCCGAGGGA**AGCCGATGTC---GAA**AG**CTTTT

Tsi (1404392-1404229) --CGCGTATAATTTAGT**TA**TTTTTTAAAC**T**CCAGGTTTATC-CAACATGA**ACT**CATGAGG**CTCTCT**CA-ACAT**AG**AGTCGGGTTCC**CGCTGAG**AGCCGAGGTT**TAGA**GA**AAAG**CTTT

Tga (1010810-1010970) TCCAA**AA**CCCG--ATTAGT**TA**CTTTTTAAAC**CCG**CTCCTTAAGTTATGAG**CGAA**CT**CT**GAGG**TCC**CCGA-AAAAGCGGGGTTCC**CGCCGAGGGA**ACCAGGTTC---GAA**AG**CTTTT

Tko (264002-263842) --TAAATCCGTATTAGT**TA**CTTTTTAAAC**CCG**CTTCTGAGTTAAAC**CCAGAA**CTCAT**AG**CT**CTCC**CGA-**AA**ACGGCGGGTTC**CCGCCGAGGGA**GCCGAGGTTC---GAA**AG**CTTTT

←

Pab (36754-636914) **AAAA**GGCTATCC**CAA**-AAGTAGGGTTAGG**CA**AAATTTGGAGG**TGA**

Pfu (1289981-1290141) **AAAA**AGTAA**GT**CAA-AAGTAGGGTTAGG**CA**AGAAATTTGGAGG**TGA**

Pho (1327937-1327777) **AAAA**ATCTCT**CAA**-AAGTAGGGTTAGG**CA**AAATTTGGAGG**TGA**

Ton (701606-701445) **AAAA**GCCATCC**TAGT**CAACGAG**ACTAG**CAAAATTTGGAGG**TGA**

Tsi (1404392-1404229) **AAAA**CCCA**CT**AG**GT**CAATAG**AGTTAGG**TAACTTTGGAGG**TGA**

Tga (1010810-1010970) **AAAA**GCCATCC**TAGT**CAACGAG**ACTAGAC**AAATTTGGAGG**TGA**

Tko (264002-263842) **AAAA**GCCATCC**TAGT**CAACGAG**ACTAGAC**AAATATGGAAGG**TGA**

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Pab (1348605-1348720) CGAACGGTTATAAATCAAAA---GATCGGGATTACCTGCG-ATAGGAA--TTTG-CTAATAAGATTATTTTCCAAACCTTTTAAATCCTTTGGAGGGAAAAGACCATGGAAGTTAGTTAT

Pho (579736-579620) --AA--GTAAAGTATGAAAGTTTGATTATCCTCCAGCTTATT--AATATTCGACTAATAAGATTATTTTCCAAACCTTTTAAATCCTTTGAGTGATTAAAGTATGAAAGACTCATAAT

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BRE/TATA box

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(sRkB) 809987-810393 TCGAGATTGTAGGACTACTTATTAGAAAAGTTTAAATACCTTATGTTGTATATTAATGGTTGGATTTCGATGACGACGTAATGCGTCCGAGGGGTTGTACCT
(sRkC) 1613255-1612820 TTAAGGTTTTAGGACTCCTTATTAGAAAAGTTTAAATACCTTATGTTGTATATTAATGGTTGGATTTCGATGACGACGCAATGCGTCCGAGGGGTTGTACCT
1079844-1080240 TCAAGTTGTAGGACTCCTTATTAGAAAA---GTTGTATATTAATGGTTGGACTCGATACGATGCAATGCGTCCGAGGGGTTGTACCT
(Pab1452) 1351459-1351048 gtgccttttaattgtaagcctgatgacgcattgcgtcggagggttttttaactgctctgttttggtttttcaatggatggaggtttttgttcggcgtttt
395005-395430 ACTTCTCTCTGAGGAGCTCAATGGCCACTAAATTTCCATCTCTGTAACCAATATCCCTAATCTCGAAGAGGCTTGGAAACCCCTGATCGGCCGACGTAAAG
1182968-1183390 TTGCCGAGAAGGACCTTGTAGGCTCACTCGGTTGCATGTAGAAAAGGCGAGATAAGGCTTTCTGTGCTTCAAATGTTTCATGTGAGCTGTAAATGA

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(sRkB) 809987-810393 .>>>>.....<<<<***.....*>>>>.....<<<<***. <: :<<***<.....>>>>***.....: :>>>>>>>>>>.....<<<<<<<<
(sRkC) 1613255-1612820 GAACCTGTGGTGGGGGCGGTTCCGTTCCGCCCAAAGGCTAATGAACCAACAGTTTGAGGGCCCGGTGGGTTGATGATGCTGTGGTGGTTGAGGTCACACCTCTCT
1079844-1080240 GAACCTGTGTTGGGGGCGGTTCCGTTCCGCCCAAAGGCTAATGAACCAACAGTTTGAGGGGAGGATCCGGTGGGTTGATGATGCTGTGGTGGTTGAGGCCAACCTCTCT
(Pab1452) 1351459-1351048 GAACCTGTATGGGGTCTGTTCCGTTCCGCCCTTAAGGCCAATGAACCAATGGCGGAGGATCCTGTGGGTTGATGATGCTGTGGTGGTTGAGGCCAACCCCTCT
395005-395430 gaacttgtttggggctgttttcgtttcagccaaaggccaatgaacattgtcggaggatccgggtgggttttgatgtgctgtggtgttcgaagcccaactctct
1182968-1183390 CTTTGGGAAGAGAGCATGCTCTGTTCTCGGCCAAAGGCTAATGAACCAACAGTTTGAGGGCCCGGTGGGTTGATGATGCTGTGGTGGTTGAGGCCAACCTCTCT
GCAAAATGCGGGCTTTCGGCGGGGTGCTGTGGTTTAGGCCGATGAACCAATGGCGGAGGATCCGGTGGGTTCTGTGATGCTGTGGTGGTTGAGGCCAACCTCTCT

-143 149 209-218

(Pab0591) (sRkB) 809987-810393 GCACCACAGAGACGCACTTGTAGTAATTAGTCATGGATTGCAACGAAGTAggtgcaggaggaaacggagaaggagctgaagcgataagggagggggtga
(sRkC) 1613255-1612820 GCACCACAGAACTCGCTGGTAGTGATTAGTCATGGATTGCAACAAAAATAGGTGCAGGAGGAAACCGATGATGCGGATGTGCACATTTACGAAGGTGAAC
1079844-1080240 GCACCACAGAGACGCACTTATA---ATTGCAACAAAAATAGGTGCAGGAGAAACAGGTTCAAGATTCTCTTCCCTGTCAACAAAGTTTTC
(Pab1452) 1351459-1351048 gcaccacagaaacgcacttata---attgcaacaaaaacaggtgcaggaggaaacggttaagaaaaattatctctgcattggatctgac
395005-395430 GCACCACAAAACTCCCTGGTAGTGATTGTCTATGGAAGTGAACGGAAGTAGGTGCAGGAGGAAACGGTTCTATCTTGAGGAAAGGTTGGATAGTAGTTCAC
1182968-1183390 GCACCACAGAAACACTTGCATA---TCATACATTGAACAAAAATAGGTGCAGGAGGAAACGGATGtcacattctgtagaacaggtcggtcctct

275-283 340-43

(Pab0591) (sRkB) 809987-810393 caagtgagaatttcgaactcatagtaactctacgttaggagagggtcggaagacaaggttgatctctcaggctgtgaagggtcttcgcaggtttattattttagc
(sRkC) 1613255-1612843 CATCTTTTCGAGCATTTCTCGGGTGGGTATGGCTAACCAAGCTTATGCTGGTGCTTGATGTCGTGAACCTCAGCAACCGACATTCATATTCATGGGCTTAGCTG
1079844-1080201 CGAATTTCTAATAATAATCACAAGTCGAATTCATAAAAGGTTTCTGCTCGCCAGGGGTATGGTAAGGAACCTTATAAGTAGGCCCTTTAATGCCCAACTAGC
(Pab1452) 1351459-1351071 atgatttttaagctactcaataagctacgctgcaacctgaagtcctgcgcggattagctctgggtgaattcttcaatacgttctctctctatggccctctc
395005-395407 ACTACCCCTAGAAAAGCGCGGTACTCGAGGCACTTTTAATCTCTTACTCTTTCAAAACTCTATGTGTGGTCTCTAAGCTCAAAACCCCTTGAAGGCAAGGAACT
1182968-1183367 ttcaggattgtgaaggctctgtattttactctcccaagctcaggaaagcttgaagcggtgaagtctctcttaccgcaacgcaaccacgaagcccccactgc