

Tcr chr23 CCGTGCAAATGAATCCCCGCTTTTTTTTAGGCTTCTTTAATGTGGAGTTGTGTGGTCTGTTTTTTTGGGAA.AAAGTTGGCG -179
Tcr chr37 ATGTGCCCCGACACGCCCTAAACACGTT...GCTTTCGTTTTCCAGGGGACAACGCAAATGCGCTCGATTGTTTCGAGGAGCAAAAGTAACA -164
Tcr chr6 ATGTGCCCCGACACGCCCTAAACATGCC...GCTTTCGTTTTCCAGAAGACAACGCAAATGCGCCCGATTGTTTCGAGGAGCAAAAGCAACA -162
Conserved gtgc a cc g ttc tt g g t g t g t gga aaa c

Box B

Box A

Tcr chr23 TTTCTTT **CGAATCGAAC** CGTGACCCTTGGCAATGTTTGTTCGGACTCTGGAGCGTCTTAG **ACATTTAAGCTA** AGAAGTAACGTTGCC -89
Tcr chr37 CTTTCGTAAGCTATAAACACATAT.....GTATCCAATCCGAA...TAGAGCGT..TGA **ACAATTAAGCGA** GGAAGGGACGGAAGAA -88
Tcr chr6 CTTTGTAAAGCTGTAAATACTT.....GTATCCAATCCGAA...TAGAGCGT..TGA **ACAATTAAGCGA** GGAGGGGACGGACGAA -88
Conserved tt t g aa ct tt t cg a t gacgt t **aca ttaagc a** ga g acg

U2 snRNA

Tcr chr23 GTCGTTTGTAAGATTACGATGGAAAAATCCCCATTTGGTTTCGAAACTATTTTTACGAGGTTACTCTGTTAATTGGAGACGGCTGTGT **AT** +2
Tcr chr37 TTCTTTAGCAAGATTGCGATC.AAAAAATCCCCATTTGGTTTCGAAACTATTTTTACGAGGTTACTTTTTAATTGGGAGCTGTTGTGTGT +2
Tcr chr6 TTCTTTAGCAAGATTGCGATC.AAAAACTCCCCATTTGGTTTCGAAACTATTTTTACGAGGTTACTTTTTAATTGGGAGCTGTTGTGTGT +2
Conserved tc tt g aagatt cgat aaaaa tccccatttggttt gaaactatttttacgaggttac t ttattgg c g tgtgt t

Tcr chr23 **ATCTTCTCGACTATTTAGCTAAGATCAAGTTTTTAAACTGTTCTTATCAGAGTAATTCTCGATATGGGCTTCGTCCAGGAATAGAAAAC** +92
Tcr chr37 ATCTTCTCGACTATTTAGCTAAGATCAAGTTTTTAAACTGTTCTTATCAGAGTAATTCTCGATATGGGCTTCGTCCAGGAATAGAAAAC +92
Tcr chr6 ATCTTCTCGACTATTTAGCTAAGATCAAGTTTTTAAACTGTTCTTATAAGAGTAATTCTCGATATGGGCTTCATCCAGGAATAAAAAC +92
Conserved atcttctcg ctatttagctaagatcaagtttttaactgttcttat agagtaattctcga atgggcttc tccaggaata aaacc

Tcr chr23 **GCTGATCTCTCAAGCGTCTTCGGAGTTCACGTTCCGGATGGAGGCGCTTCCTTTTCCAAAATCGTGTTCGCTTTTACAAAAT.....** +177
Tcr chr37 GCTGATCTCTCAGGCGTCTTCGGAGTTCGCGTTCGGATGGAGCGTCTTCCTTTTCCAAAATGTGTTCGCTTTTTCCTTTTTTTTTT +182
Tcr chr6 GCTGATCTCTCAGGCGTCTTCGGAGTTCGCGTTCGGATGGAGCGTCTCT...CAAAATGTGTTCGCTTTTTCCTTTTTTTTTT. +178
Conserved gctgatctctca gcttcttccggagtt c cg gtccggatggagcg tctt ccaaaat gtgttcgctttt c t