

Supplementary Material S8

Alignment of nucleotide sequences of III S6 haplotypes

<----- exon 31 ----->

1520		1532 1534	
<pre> E T/I N I Y M Y L Y F V F F I/T I F/C G S F F T L N L F I G V I I D N F N E Q K K K A #3s6_00 GAGACCAACATCTACATGTACCTACTTTGTGTTCTTCATCCTTCGGGTCGTTCTTCACGCTGAATCTGTTCATCGGTGTACATCGACAACTTCAACGAGCAGAAGAAGAAAGCC [120] #3s6_10T..C..... #3s6_13T.....G #3s6_01G #3s6_11C #3s6_09C #3s6_17C #3s6_03C #3s6_12C #3s6_04C #3s6_05C.....A #3s6_07C.....A #3s6_02C.....A #3s6_06C.....A #3s6_08C #3s6_14C #3s6_15C #3s6_16C </pre>			

<----- exon 31 -----> | --intron 31-->

G G S L E M F M T E D Q K K Y Y N A M K K M G S K K P L K A I P R P R	
<pre> #3s6_00 GGTGGCTCACTGGAAATGTTCATGACGGAGGATCAGAAAAAGTACTACAACGCCATGAAAAGATGGGCTCGAAGAACGCCCTGAAAGCTATTCCACGGCTAGGgttaaggcatttccat [240] #3s6_10G.....A..... #3s6_13G..... #3s6_01G..... #3s6_11G..... #3s6_09G..... #3s6_17G..... #3s6_03G..... #3s6_12G.....g #3s6_04G..... #3s6_05G..... #3s6_07G.....A..... #3s6_02G..... #3s6_06G..... #3s6_08G..... #3s6_14G.....a...a...g #3s6_15A..... #3s6_16A..... </pre>	

<-----intron 31-----|-----exon 32----->

1605

W R P Q A I V F E I V T/A N K K F D M I I

#3s6_00 cgcacatcaactgtgacgtattccttcataatctcgctattctcaatttcagTGGCGACCACAAGCAATAGTATTGAAATAGTTACCAATAAGAAGTCGACATGATCATCAT [354]
#3s6_10
#3s6_13
#3s6_01
#3s6_11
#3s6_09 g ..
#3s6_17 G ..
#3s6_03
#3s6_12
#3s6_04
#3s6_05
#3s6_07
#3s6_02 t..g....a.c.....c..c
#3s6_06 t..g....a.c.....c..c
#3s6_08 t..g....a.c.....c..c
#3s6_14 t-t.g.....a...a.a.....t.....a.c.....c..c
#3s6_15 t-t.g.....a.....t.....a.c.....c..c
#3s6_16 t-t.g.....a.....t.....a.c.....c..c