

	10	20	30	40	50	60
49_Mmul	-----	-----	ATGAGGATATTTGCTGTCTTTATATTACGATC	-----	TAC	-----
77_Cjac	-----	-----	ATGAGGATATTTGCTGTTTTATATTATGACC	-----	TAC	-----
85_Tsyr	GGAAATCTGACGGGGACATCAGTTGCTTTGCTTCTTGTGCATCTTGGCCTGAGGAGCAGTGCCAA					
29_Ogar	-----	-----	ATGAAGATATCTAATGTCTTTACATTACAGCC	-----	TAC	-----
89_Hsap	-----	-----	ATGAGGATATTTGCTGTCTTTATATTATGACC	-----	TAC	-----
55_Hsap	-----	-----	ATGATCTTCCTCCTGCTAATGTTGAGCCTGGAATTGCAG	-----		-----
06_Ptro	-----	-----	ATGATCTTCCTCCTGCTAATGTTGAGCCTGGAATTGCAG	-----		-----
18_Cjac	-----	-----	ATGATCTTCCTCCTCCTAATGTTGAGCCTGGAATTGCAG	-----		-----
03_Mmur	-----	-----	ATGTTTTTCTCCTGCTGATGTTGAGCCTGGGATTGCAG	-----		-----
42_Pabe	-----	ATGCAGAAC	ATGATCTTCCTCCTGCTAATGTTGAGCCTGGAATTGCAG	-----		-----
09_Nleu	-----	-----	ATGATCTTCCTCCTGCTAATGTTGAGCCTGGAATTGCAG	-----		-----
50_Ggor	-----	-----	ATGAGGATATTTGCTGTCTTTATATTACGACC	-----	TAC	-----
98_Mmur	---	ATGAGGATATTTACGTC	TTTACATTACAACTTCTGGCATTCTGAAC	-----		-----
43_Pabe	-----	-----	ATGAGGATATTTGCTGTCTTTATATTACGACC	-----	TAC	-----
90_Nleu	-----	-----	ATGAGGATATTTGCTGTCTTTATATTATGACC	-----	TAC	-----
45_Mmul	-----	-----	ATGATCTTCCTCCTGCTAATGTTGAGCCTGGAATTGCAG	-----		-----
36_Mmur	-----	-----	-----	-----		-----
04_Ptro	-----	-----	ATGAGGATATTTGCTGTCTTTATATTATGACC	-----	TAC	-----
30_Ogar	-----	-----	ATGCTTTTCTACTGCTAAAGCTGAGCCTGGGATTGCAG	-----		-----
78_Tsyr	-----	-----	ATGAGGATACCTTCCTGTCTTCACATTACAGCC	-----	TAC	-----
54_Ggor	-----	-----	ATGATCTTCCTCCTGCTAATGTTGAGCCTGGAATTGCAG	-----		-----



Indel

	70	80	90	100	110	120	130
49_Mmul	----TGGCAT	---TTGCTGAATGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
77_Cjac	----TGGCAT	---TTGCTGAATGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
85_Tsyr	GTCCGTGTCAAGTG	CAGAACATGTCCCTCCTACTGTTAATCTTGAGCCTGGAATTGCAGTTTCGTC					
29_Ogar	----TGGCAT	---TTACTGAACGCA	---TTTACTGTACAGTTCCCAAGGACCTATATGTGGTAG				
89_Hsap	----TGGCAT	---TTGCTGAACGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
55_Hsap	----CTTCAC	---CAGATAGCAGCTTTATTCACAGTGACAGTCCCTAAGGAACCTGTACATAATAG					
06_Ptro	----CTTCAC	---CAGATAGCAGCTTTATTCACAGTGACAGTCCCTAAGGAACCTGTACATAATAG					
18_Cjac	----CTTCAA	---CAGACAGCAGCTTTATTCACAGTGACAGTCCCTAAGGAACCTGTATATAGTAG					
03_Mmur	----CTTCAT	---CGGACAGCAGCTTTATTCACAGTGACAGTCCCTAAGGAGTTGTACATAGTAG					
42_Pabe	----CTTCAC	---CAAAATAGCAGCTTTATTCACAGTGACAGTCCCTAAGGAACCTGTACATAATAG					
09_Nleu	----CTTCAC	---CAGATAGCAGCTCTATTTCACAGTGACAGTCCCTAAGGAACCTGTACATAATAG					
50_Ggor	----TGGCAT	---TTGCTGAATGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
98_Mmur	-GCATTTTACA	---GTCACAGTTCCC	---AAGGACCTGTATGTGGTGGAGTATGGCAGCAATGTGA				
43_Pabe	----TGGCAT	---TTGCTGAATGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
90_Nleu	----TGGCAT	---TTGCTGAATGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
45_Mmul	----CTTCAC	---CAGACAGCAGCTTTATTCACCGTGACAGTCCCTAAGGAACCTGTACATAATAG					
36_Mmur	-----	-----	-----	-----	-----	-----	-----
04_Ptro	----TGGCAT	---TTGCTGAACGCA	---TTTACTGTACCGGTTCCCAAGGACCTATATGTGGTAG				
30_Ogar	----CTTCAT	---CAGACAGCAGCTTTATTCACAGTGACCGTCCCTAAGGAGCTGTACATAGTAG					
78_Tsyr	----TGGCAT	---TTGCTGAACGCC	---TTTACTGTACCGTTCCTAAGGACCTGTATGTGGTAG				
54_Ggor	----CTTCAC	---CAGATAGCAGCTTTATTCACAGTGACAGTCCCTAAGGAACCTGTACATAATAG					



Indel

	140	150	160	170	180	190
49_Mmul	AGTATGGCAGCAATATGACAA	TTGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
77_Cjac	AGTATGGCAGCAATATGACACT	TGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAGTTAGAACTG
85_Tsyr	AGACAGCAGNNNNNNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN
29_Ogar	AGTATGGCAGCAATGTGACAA	TTGAGTGC	CAGATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
89_Hsap	AGTATGGTAGCAATATGACAA	TTGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
55_Hsap	AGCATGGCAGCAATGTGACCC	TGGAATGC	AACTTT	-----	GACACTGGAAGT	CATGTGAACCTT
06_Ptro	AGCATGGCAGCAATGTGACCC	TGGAATGC	AACTTT	-----	GACACTGGAAGT	CATGTGAACCTT
18_Cjac	AGCATGGCAGCAATGTGACCC	TGGAATGC	AACTTT	-----	GATACTGGAAGT	CATGTGAACGTT
03_Mmur	ACCACGGCAGCAATGTGACCC	TGGAGTGT	GATTTT	-----	GACACTGGAGGT	CACGTGAAAACCT
42_Pabe	AGCATGGCAGCAATGTGACCC	TGGAATGC	AACTTT	-----	GACACTGGAAGT	CATGTGAACCTT
09_Nleu	AGCATGGCAGCAATGTGACCC	TGGAATGC	AACTTT	-----	GACACTGGAAGT	CATGTGAACCTT
50_Ggor	AGTATGGCAGCAATATGACAA	TTGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
98_Mmur	CCATCGAATGCAGATTCCCAG	TGGAAAAA	CAATTA	-----	GACCTGATGTC	ATTAGTTGTCTAC
43_Pabe	AGTATGGCAGCAATATGACAA	TTGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
90_Nleu	AGTATGGCAGCAATATGACAA	TTGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
45_Mmul	AGCATGGCAGCAATGCGACCC	TGGAATGC	AACTTT	-----	GACACTGGAAGT	CATGTGAACCTT
36_Mmur	-----	-----	-----	-----	-----	-----
04_Ptro	AGTATGGCAGCAATATGACAA	TTGAATGC	CAAAATTC	-----	CCAGTAGAAAAA	CAATTAGACCTG
30_Ogar	ACTATGGCAGCAATGTGACCC	TGGAGTGT	GATTTT	-----	GACACTGGAGGT	CCAAGTGAAAACCTT
78_Tsyr	AGCATGGCAGCAATGTGACAA	TTGAATGC	CAGATTC	-----	CCCGTAGACAAA	CACTTAGACCTG
54_Ggor	AGCATGGCAGCAATGTGACCC	TGGAATGC	AACTTT	-----	GACACTGGAAGT	CATGTGAACCTT

Indel

	200	210	220	230	240	250	260
49_Mmul	ACTTCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAA	CATTATTCAATTTGTGCATGG		
77_Cjac	ACTTCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAA	TATTATTCAATTTGTGCATGG		
85_Tsyr	NNNNNNNNNNNNNNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN	NNNNNNNN
29_Ogar	GTTTCATTAGTTGTCTACTGGG	AAATGGAGGAT	-----	AAGAAAA	TTATTTCAGTTTGTTCATGG		
89_Hsap	GCTGCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAAC	CATTATTCAATTTGTGCATGG		
55_Hsap	GGAGCAATAACAGCCAGTTTG	CAAAAGGTG	-----	GAAAA	TGAT		
06_Ptro	GGAGCAATAACAGCCAGTTTG	CAAAAGGTG	-----	GAAAA	TGAT		
18_Cjac	GGAGCAATAACAGCCAGTTTG	CAGAAAGGTG	-----	GAAAA	TGAT		
03_Mmur	GAAGCAATAAAAGCCACCTTG	CAAAAGGTA	-----	GAAAA	TGAT		
42_Pabe	GGAGCAATAACAGCCAGTTTG	CAAAAGGTG	-----	GAAAA	TGAT		
09_Nleu	GGAGCAATAACAGCCAGTTTG	CAAAAGGTG	-----	GAAAA	TGAT		
50_Ggor	GCTGCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAA	CATTATTCAATTTGTGCATGG		
98_Mmur	TGGGAAATGGACAATAAGAAT	ATTATTCAA	-----	TTTGTTCGTGGCGAGGAAG	ACCTGAAGGT		
43_Pabe	GCTGCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAA	CATTATTCAATTTGTGCATGG		
90_Nleu	GCTGCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAA	TATTATTCAATTTGTGCATGG		
45_Mmul	GGAGCAATAACAGCCAGTTTG	CAAAAGGTG	-----	GAAAA	TGAT		
36_Mmur	-----	-----	-----	-----	-----		
04_Ptro	GCCGCACTAATTGTCTATTGGG	AAATGGAGGAT	-----	AAGAA	CATTATTCAATTTGTGCATGG		
30_Ogar	GAAGAAATAAAAGCCATTTTG	CAAAAGGTA	-----	GAAAA	CGAT		
78_Tsyr	TTTTTCGCTAGTTGTCTACTGGG	AAATGGACAA	-----	AAGAAAA	TTATTTCAGTTTGTGCGAGG		
54_Ggor	GGAGCAATAACAGCCAGTTTG	CAAAAGGTG	-----	GAAAA	TGAT		

Indel

	270	280	290	300	310	320
49_Mmul	AGAGGAAGACCTGAAGGTT	CAGCATAGTA	ACTACAGACAGAGGGCC	CAGCTTGAAGGACCAGC		
77_Cjac	AGAGGAAGACCTGAAGGTT	CAGCATAGTAGCTACAGACAGAGGGCC	CAGCTTGAAGGACCAGC			
85_Tsyr	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN
29_Ogar	AGAGGAAGACCTGAAAGTT	CAGGACAGTAGCTACCATCAGAGGGCC	CGGCTGTTAAAGGACCAAC			
89_Hsap	AGAGGAAGACCTGAAGGTT	CAGCATAGTAGCTACAGACAGAGGGCC	CGGCTGTTGAAGGACCAGC			
55_Hsap	-----	ACATCCCCACACCGT	GAAAGAGCCACTTTGCTGGAGGAGCAGC			
06_Ptro	-----	ACATCCCCACACTGT	GAAAGAGCCACTTTGCTGGAGGAGCAGC			
18_Cjac	-----	ACATCCTCACACCGT	GAAAGAGCCACTTTGCTGGAGGAGCAGC			
03_Mmur	-----	ACAGCCTTGCTGCT	GAAAGAGCCGCTTTGCTGGAGGAGCAGC			
42_Pabe	-----	ACATCCCCACACCGT	GAAAGAGCCACTTTGCTGGAGGAGCAGC			
09_Nleu	-----	ACATCTCCACACCGT	GAAAGGGCCACTTTGCTGGAGGAGCAGC			
50_Ggor	AGAGGAAGACCTGAAGGTT	CAGCATAGTAGCTACAGACAGAGGGCC	CGGCTGTTGAAGGACCAGC			
98_Mmur	TCAGGACAGTAGCTACCGTGGCAGGGCCC	GGCTACTGAAGGACCAGTTCTTCCTGGGAAAGTGC	CGG			
43_Pabe	AGAGGAAGACCTGAAGGTT	CAGCATAGTAGCTACAGACAGAGGGCC	CGGCTGTTGAAGGACCAGC			
90_Nleu	AGAGGAAGACCTGAAGGTT	CAGCATAGTAGCTACAGACAGAGGGCC	CGGCTGTTGAAGGACCAGC			
45_Mmul	-----	ACATCCCCACACCGT	GAAAGAGCCACTTTGCTGGAGGAGCAGC			
36_Mmur	-----					
04_Ptro	AGAGGAAGACCTGAAGGTT	CAGCATAGTAGCTACAGACAGAGGGCC	CGGCTGTTGAAGGACCAGC			
30_Ogar	-----	ACAGCCTTGCTGCT	AAAAAGAGCCACTTTGCTGGAGGAGCAGC			
78_Tsyr	AGAGGAAGACCTGAAGGTT	CAGCAGCTTCAGCCAGAGGGCC	CGGCTGCTGAAGGACCAGC			
54_Ggor	-----	ACATCCCCACACCGT	GAAAGAGCCACTTTGCTGGAGGAGCAGC			



Indel

	330	340	350	360	370	380	390
49_Mmul	TCTCCCTGGGAAATGCTGC	ACTTCGGATCACAGATGT	GAAATTGCAGGATGCAGGGGTTT	ACCGC			
77_Cjac	TCTCCCTGGGAAATTGCTGC	ACTTCAGATCACAGATGT	AAAACTGCAGGATGCAGGAGTTT	ACCGC			
85_Tsyr	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN	NNNNNNNNNNNNNNNNNNNN
29_Ogar	TCTTCTTGGGAAGTGC	CGCACTTCAGGTACAGACGT	GAACTGAGGGACGCAGGAGTTT	ACCGC			
89_Hsap	TCTCCCTGGGAAATGCTGC	ACTTCAGATCACAGATGT	GAAATTGCAGGATGCAGGGGTGT	ACCGC			
55_Hsap	TGCCCCTAGGGAAGGCCT	TGTTCCACATACCTCAAGTCCAAGT	GAGGGACGAAGGACAGTACCAA				
06_Ptro	TGCCCCTAGGGAAGGCCT	TGTTCCACATACCTCAAGTCCAAGT	GAGGGACGAAGGACAGTACCAA				
18_Cjac	TGTCCCTAGGGAAGGCCT	TGTTCCATATACCTCAAGTCCAAGT	GAGGGACGAAGGACAGTACCAA				
03_Mmur	TGCCCCTAGGGAAGGCCT	ATTCCACATTCTCAAGTCCAAGT	GAGGGACGAAGGGCAGTACCGC				
42_Pabe	TGCCCCTAGGGAAGGCCT	TGTTCCACATACCTCAAGTCCAAGT	GAGGGACGAAGGACAGTACCAA				
09_Nleu	TGCCCCTAGGGAAGGCCT	TGTTCCACATACCTCAAGTCCAAGT	GAGGGATGAAGGACAGTACCAA				
50_Ggor	TCTCCCTGGGAAATGCTGC	ACTTCAGATCACAGATGT	GAAATTGCAGGATGCAGGAGTTT	ACCGC			
98_Mmur	CGCTTGAGATCACAGACGT	GAACTGCGGGACGCAGGGGTTT	ACCGCTGCATGATCAGCTACGGG				
43_Pabe	TCTCCCTGGGAAATGCTGC	ACTTCAGATCACAGATGT	GAAATTGCAGGATGCAGGGGTTT	ACCGC			
90_Nleu	TCTCCCTGGGAAATGCTGC	ACTTCAGATCACAGATGT	GAAATTGCAGGATGCAGGGGTTT	ACCGC			
45_Mmul	TGTCCCTAGGGAAGGCCT	TGTTCCACATACCTCAAGTCCAAGT	GAGGGACGAAGGACAGTACCAA				
36_Mmur	-----						
04_Ptro	TCTCCCTGGGAAATGCTGC	ACTTCAGATCACAGATGT	GAAATTGCAGGATGCAGGGGTTT	ACCGC			
30_Ogar	TGTCCCTAGGGAAGGCCT	ATTCCACATCCCTCACGTCCAAGT	GAGGGATGCAGGGCAGTACCGC				
78_Tsyr	TCTACCTGGGCAGTGCC	CACTCCAGATCACAGATGT	GAACTGAGGGATGCCGGGGTTT	ACCGC			
54_Ggor	TGCCCCTAGGGAAGGCCT	TGTTCCACATACCTCAAGTCCAAGT	GAGGGACGAAGGACAGTACCAA				



Indel

	790	800	810	820	830	840
49_Mmul	AATGAAAGGACTC	ACTTGGTAATTCT	GGGAGCCATCTTTT	ACTCCTTGGTGTAG	CACTGACATT	
77_Cjac	AATGAAAGGACTC	ACTTGGTAATTCT	GGGAGCCATCTT	GTTATTCCTTGGT	GTAGCACTGACATT	
85_Tsyr	---	ACGACTCCGCTG	CTCCACGCGCTGG	TCCCTTCCGCGCC	ATCGCCTTTGTCTT	CACAGCCAC
29_Ogar	AATGAGAGGACCC	ACCTGATGATTGT	AGGAGCCTTCCTG	TTTTCCCTTTGTT	AATGTTGATGGG	
89_Hsap	AATGAAAGGACTC	ACTTGGTAATTCT	GGGAGCCATCTT	ATTATGCCTTGGT	GTAGCACTGACATT	
55_Hsap	CATCCAACCTTGG	CTGCTTCACATTTT	CATCCCCCTCTGC	ATCATTTGCTTTCA	TTTTTCATAGCCAC	
06_Ptro	CATCCAACCTTGG	CTGCTTCACATTTT	CATCCCCCTCTGC	ATCATTTGCTTTCA	TTTTTCATAGCCAC	
18_Cjac	TCTCCAACCTTGG	CTGCTTCACATTCT	CATCCCCCTCCTGC	ATCATTTGCTTTCA	TTTTTACAGCCAC	
03_Mmur	ACGCCAACCTTCG	CTGCTTCACATTTT	CATCCCCCTCTGC	ACCATCGCTTTAA	TTTTTCATAGCCAC	
42_Pabe	CGTCCAACCTTGG	CTGCTTCATATTTT	CATCCCCCTCCTGC	ATCATTTGCTTTCA	TTTTTCATAGCCAC	
09_Nleu	CGTCCAACCTTGG	CTGCTTCACATTTT	CATCCCCCTCCTGC	ATCATTTGCTTTCA	TTTTTCATAGCCAC	
50_Ggor	AATGAAAGGACTC	ACTTGGTAATTCT	GGGAGCCATCTT	ATTATTCCTTGGT	GTAGCACTGACATT	
98_Mmur	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN
43_Pabe	AATGAAAGGACTC	ACCTGGTAATTCT	GGGAGCCATCTT	ATTATTCCTTGGT	GTAGCACTGACATT	
90_Nleu	AATGAAAGGACTC	ACTTGGTAATTCT	GGGAGCCATCTT	AGTATTCCCTTGGT	GTAGCACTGACATT	
45_Mmul	CATCCAACCTTGG	CTGCTTCACATTTT	CATCCCCCTCCTGC	ATCATCGCTTTCA	TTTTTCATAGCCAC	
36_Mmur	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN	NNNNNNNNNNNNNN
04_Ptro	AATGAAAGGACTC	ACTTGGTAATTCT	GGGAGCCATCTT	ATTATGCCTTGGT	GTAGCACTGACATT	
30_Ogar	CCTACAACCTTCG	CTGCTTCACATTCT	CATCCCCCTCCTGC	ACTATTGCTTTAA	TTTTTCATAACCAC	
78_Tsyr	AATCAGAGGACTC	ACTTGGTGAATTCT	GGGAGCCTTCCTG	TTGACCCCTTGGT	GTGGTCTCGGTGAG	
54_Ggor	CATCGAACCTTGG	CTGCTTCACATTTT	CATCCCCCTCCTGC	ATCATTTGCTTTCA	TTTTTCATAGCCAC	

Indel

	850	860	870	880	890	900	910
49_Mmul	CATCTTCTAT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATATGAAAAA	AGTGGCA	
77_Cjac	CATCTTCTAT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATTTGAAAAA	TATGTGGCA	
85_Tsyr	GGCGACGGTC---	CTCAGAAAAACG	ACTCTGCCGAAAA	CTG-----	TCCAGGAAAGACA		
29_Ogar	CATCTTCTGT---	TTA---	AGAAGAAAAAGG	GGGAATGAAAGAT	GTGGAAAAATGTTGCA		
89_Hsap	CATCTTCCGT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATGTGAAAAA	TGTGGCA	
55_Hsap	AGTGATAGCC---	CTAAGAAAAACA	ACTCTGTCAAAA	AGCTGTATTCTT	CAAAA---GACA		
06_Ptro	AGTGATAGCC---	CTAAGAAAAACA	ACTCTGTCAAAA	AGCTGTATTCTT	CAAAA---GACA		
18_Cjac	AATGATAGCC---	CTAAGAAAAACA	CACTGTCAAAA	AGCTGTATTCTA	CAAAAAGGTAAAC		
03_Mmur	AATGATAATC---	CTCAGAAAAATG	GGCTCTGCCAAA	AGCTCTATTCTA	GAAAAA---GACA		
42_Pabe	AGTGATAGCC---	CTAAGAAAAACA	ACTCTGTCAAAA	AGCTGTATTCTT	CAAAA---GACA		
09_Nleu	AGTGATAGCC---	CTAAGAAAAACA	ACTCTGTCAAAA	AGCTGTATTCTT	CAAAA---GACA		
50_Ggor	CATCTTCTGT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATGTGAAAAA	TGTGGCA	
98_Mmur	NNNNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	TGAGAATAATGG	ATGTGAAAAGATGTGGCA		
43_Pabe	CATCTTCTGT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATGTGAAAAA	TGTGGCA	
90_Nleu	CATCTTCTGT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATGTGAAAAA	TGTGGCA	
45_Mmul	AGTGATAGCC---	CTAAGAAAAACA	ACTCTGTCAAAA	AGCTGTATTCTT	CAAAA---GACA		
36_Mmur	NNNNNNNNNNNNNN	NNN-----	NNNNNNNTGAGA	ATAATGGATGTG	GAAAAGATGTGGCA		
04_Ptro	CATCTTCTGT---	TTA---	AGA---	AAAGGGAGAAATG	ATGGATGTGAAAAA	TGTGGCA	
30_Ogar	AATGATAGTC---	CTAAGAAAAACG	GCTCTGCCATAA	AGCTGTATTCTG	GGGAAA---GACA		
78_Tsyr	CACCTCCTGT---	CTG---	CGAAAA-----				
54_Ggor	AGTGATAGCC---	CTAAGAAAAACA	ACTCTGTCAAAA	AGCTGTATTCTT	CAAAA---GACA		

Indel

	920	930	940	950	960
49_Mmul	TTCGAGTTA	CAAACTCAAAG	AAGCAACGT	GATACACAA	TTGGAGGAGACG
77_Cjac	TCAGAGATACAA	ACTCAAAGAAG	CAAAATGATAC	ACAATTTGGAGG	GAGACG
85_Tsyr	CAACCAAAAAGAT	CTGTCAACCACA	ATAAAGAGGGAAG	TGAACACAGCT	---
29_Ogar	TCCATAATACAA	CTCAAAGAAG	CAAAATGATCC	ACAGTTTGAGG	GAGACG
89_Hsap	TCCAAGATACAA	ACTCAAAGAAG	CAAAAGTGATAC	ACATTTGGAGG	GAGACG
55_Hsap	CAACAAAAAAGAC	CTGTCAACCACA	CAAAAGAGGGAAG	TGAACAGTGCT	ATC
06_Ptro	CAACAAAAAAGAC	CTGTCAACCACA	CAAAAGAGGGAAG	TGAACAGTGCT	ATC
18_Cjac	ACAACAAAAAGA	ACTGTCAACCAC	GACAAAAGAGGGAAG	TGAACAGTGCT	ATC
03_Mmur	CAACAATAAGAT	CTGTCAACCACA	ATAAAGAGGGAAG	TAAATAGAGCT	ATC
42_Pabe	CAACAAAAAAGAC	CTGTAAACCACA	CAAAAGAGGGAAG	TGAACAGTGCT	ATC
09_Nleu	CAACAAAAAAGAC	CTGTCAACCACA	CAAAAGAGGGAAG	TGAACAGTGCT	ATC
50_Ggor	TCCAAGATACAA	ACTCAAAGAAG	CAAAAGTGATAC	ACATTTGGAGG	GAGACG
98_Mmur	TCCGAGATGCAAA	CTCAAAGCAGC	AAAAAT-----		
43_Pabe	TCCAAGATACAA	ACTCAAAGAAG	CAAAAGTGATAC	ACATTTGGAGG	GAGACG
90_Nleu	TCCGAGATACAA	ACTCAAAGAAG	CAAAAGTGATAC	ACATTTGGAGG	GAGACG
45_Mmul	CAACAAAAAAGAT	CTGTCAACCAC	GAAAAAGAGGGAAG	TGAACAGTGCT	G
36_Mmur	TCCGAGATGCAAA	CTCAAAGCAGC	AAAAAT-----		
04_Ptro	TCCAAGATACAA	ACTCAAAGAAG	CAAAAGTGATAC	ACATTTGGAGG	GAGACG
30_Ogar	CAACAATAAGAC	CTGTCAACCACA	ATAAAGAGGGAAG	CAAAATACAGCC	CGTG
78_Tsyr	-----				
54_Ggor	CAACAAAAAAGAC	CTGTCCCCACA	CAAAATAGGGAAG	TGAACAGTGCT	G



Indel