

$$\underbrace{\quad\quad\quad}_{\text{}} \quad \underbrace{\quad\quad\quad}_{\text{}}$$

Age Group	Percentage
18-24	10%
25-34	15%
35-44	20%
45-54	25%
55-64	20%
65-74	15%
75-84	10%
85+	5%

Indel

Indel

Indel

	400	410	420	430	440	450
75_Mmul	GACCTCTTCTG	CCACGCGCTC	ATCTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACTTCAGC
12_Ggor	GACCTCTTCTG	CCACGCGCTC	ATTTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACGTCAGC
36_Nleu	GACCTCTTCTG	CCACGCGCTC	ATTTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACATCAGC
47_Tsyr	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN
06_Mmur	GACCTCTTCTC	CCACGCGCTC	ATCTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACATCAAC
32_Pabe	GACCTCTTCTG	CCACGCGCTC	ATTTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACGTCAGC
23_Cjac	GACCTCTTCTG	CCACATGCTC	ATCTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACATCAGC
32_Hsap	GACCTCTTCTG	CCACGCGCTC	ATTTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACGTCAGC
59_Ptro	GACCTCTTCTG	CCACGCGCTC	ATTTTCTG	CCGCCAGCAGGG	CTTCTCACT	GGAGCAGACGTCAGC
95_Ogar	GACCTCTTTG	CCCATGCACTC	ATGTTCTG	CCGCCAACAGGG	CTTCTCACT	GGAGCAGACATCAAC

Indel

	460	470	480	490	500	510	520
75_Mmul	AGCTTGTGCCCTG	CTCCAGGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
12_Ggor	GGCTTGTGCCCTG	CTCCAGGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
36_Nleu	GGCTTGTGCCCTG	CTCCAGGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
47_Tsyr	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN
06_Mmur	GGCTTGTGCCATG	CTCCAAGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
32_Pabe	GGCTTGTGCCCTG	CTCCAGGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
23_Cjac	AGCTTGTGCCATG	CTCCAAGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
32_Hsap	GGCTTGTGCCCTG	CTCCAGGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
59_Ptro	AGCTTGTGCCCTG	CTCCAGGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	
95_Ogar	AGCTTGTGCCCTG	CTCCAAGATCTT	CACAAGGCTTG	TATTGCAAC	CCCCCTTGGG	CAACGTTGGAGG	

Indel

	530	540	550	560	570	580
75_Mmul	AGTGCTACCACTA	CTTCAACAGCGT	TCTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	CAGCATC
12_Ggor	AGTGCTACCGCTA	CTTCAACAGTGT	CCTTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	CAGCATC
36_Nleu	AGTGCTACCGCTA	CTTCAACAATGT	CCTTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	CAGCATC
47_Tsyr	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN	NNNNNNNNNNNN
06_Mmur	AATGCTACCGCTA	CTTTACCAGTGT	TCTTTTTTGCCAT	GGAGTCAGGCGG	CCCCCTTTCAG	CATT
32_Pabe	AGTGCTACCGCTA	CTTCAACAGTGT	CCTTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	AGCATC
23_Cjac	AGTGCTACCGCTA	CTTCAACAGTGT	CCTTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	CAGCATC
32_Hsap	AGTGCTACCGCTA	CTTCAACAGTGT	CCTTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	CAGCATC
59_Ptro	AGTGCTACCGCTA	CTTCAACAGTGT	CCTTTTTTTGCCAT	GGAGTCAGGCGG	CCCTCCTTTT	CAGCATC
95_Ogar	AATGCTACCGCTA	CTTTACCAGTGT	TCTTTTTTGCCAT	GGAGTCAGGCGG	CCCCCTTTCAG	CATT

Indel

	590	600	610	620	630	640	650
75_Mmul	GACCTCTTCAAAGAGGAACAACTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
12_Ggor	GACCTCTTCAAAGAGGAACAACTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
36_Nleu	GACCTCTTCAAAGAGGAACAACTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
47_Tsyr	GACCTCTTCAAAGAGGAACAACTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
06_Mmur	GACCTATTTAAGGAGGAACAGCTGCTGGCCCTGGCAGACTATGTGGTCAACACCTTACTTCCGCCA						
32_Pabe	GACCTCTTCAAAGAGGAACAGCTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
23_Cjac	GATCTCTTCAAAGAGGAACAACTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
32_Hsap	GACCTCTTCAAAGAGGAACAGCTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
59_Ptro	GACCTCTTCAAAGAGCAACAGCTGCTGGCCCTGGAAGACTACGTGGTCAACACCTTACTTCCGCCA						
95_Ogar	GACCTCTTTAAAGAGGAACAGCTGCTGGCCCTGGCAGACTATGTGGTCAACACCTTACTTCCGCCA						

Indel

	660	670	680	690	700	710
75_Mmul	CTTCAAACCTCTATAAAATACGTCTTTCACACCCCAAGGTGCGGCTGGATCTGTCTTTGACTTACATGG					
12_Ggor	CTTCAAGCTCTATAAAATACGTCTTTCACACCCCAAGGTGCGGCTGGATCTGTCTTTGACTTACATGG					
36_Nleu	CTTCAAGCTCTATAAAATACGTCTTTCACACCCCAAGGTGCGGCTGGATCTGTCTTTGACTTACATGG					
47_Tsyr	CTTCAAGCTCTACAAATATGTCTTTCACACCCCAAGGTGCGGCTGGATCTATCCTTGACTTACATAG					
06_Mmur	CTTCAAGCTCTACAAATATGTCTTTCACACCCCAAGGTACGGCTGGATCTATCTTTGACTTATATGG					
32_Pabe	CTTCAAGCTCTATAAAATACGTCTTTCACACCCCAAGGTGCGGCTGGATCTGTCTTTGACTTACATGG					
23_Cjac	CTTCAAGCTCTATAAAATTCGTCTTTCACATCCCAGGTGCGGCTGGATCTATCTTTGACTTATATGG					
32_Hsap	CTTCAAGCTCTATAAAATACGTCTTTCACACCCCAAGGTGCGGCTGGATCTGTCTTTGACTTACATGG					
59_Ptro	CTTCAAGCTCTATAAAATACGTCTTTCACACCCCAAGGTGCGGCTGGATCTGTCTTTGACTTACATGG					
95_Ogar	CTTCAAGCTCTACAAATATGTCTTTCACACCCCAAGGTGCGGCTGGATCTATCTTTGACTTACATGG					

Indel

	720	730	740	750	760	770	780
75_Mmul	GGCTACAGCCACCCAAATTTGTGGCCAGAGAGTGAGACGGAGAAAAGAAGCAAGCAAGGAGGTGGAG						
12_Ggor	GGCTACAGCCACCCAAATCTGTGGCCAGAGAGTGAGATGGAGAAAAGAAGAAAGCAAGGAGATGGAG						
36_Nleu	GGCTACAGCCACCCAAATCTGTGGCCAGAGAGTGAGATGGAGAAAAGAAGAAAGCAAGGAGATGGAG						
47_Tsyr	GGCTACAGCCACCCAAAGCACTGGCCAGAGGGTAAGATGGAGAAAAGAAGAAAGCAAGGAGATGAAG						
06_Mmur	GGCTACAGCCACCCAAAGCTCTGGCCAGAGGGTAAGATGGACAAAAGAAGAAAGCAAGGAGGTGGTG						
32_Pabe	GGCTGCAGCCACCCAAATCTGTGGCCAGAGAGTGAGACAGAGAAAAGAAGAAAGCAAGGAGGTGGAG						
23_Cjac	GGCTACAGCCACCTATACTGTGGCCAGAGAGTGAGACAGAGAAAAGAAAAAGCAAGGAGGTGGAG						
32_Hsap	GGCTACAGCCACCCAAATCTGTGGCCAGAGAGTGAGACGGAGAAAAGAAGAAAGCAAGGAGATGGAG						
59_Ptro	GGCTACAGCCACCCAAATCTGTGGCCAGAGAGTGAGACGGAGAAAAGAAGAAAGCAAGGAGATGGAG						
95_Ogar	GGCTACAGTACCCAAAGCTCTGGCCAGAAGGTAAGATGGACAAAAGAAGAAAGCAAGGAAGTGGAG						

Indel

	790	800	810	820	830	840
75_Mmul	GAGCAGGCAGTTACGCCGCAG	-----	GAAGAGGAACTAGAGACAGT	ANNNNNNNNNG	CCCCGCC	
12_Ggor	GAGCAGGCAGTTACCCCTGCAG	-----	AAAGAGGAACTAGAGACAGT	GNNNNNNNNNG	CCCCGCC	
36_Nleu	GAGCAGGCAGTTACCCCTGCAG	-----	GAAAAGGAACTAGAGACAGT	GNNNNNNNNNG	CCCCGCC	
47_Tsyr	GAGGAGACAGTCACTTCACAGGAGGAGGAGGAGGAACTGGAGACAGT	GNNNNNNNNNG	CTCAGCC			
06_Mmur	GAGCAGGCAGTCACCCCACGG	-----	GAAGAGGAGCTGGAGACAGT	GNNNNNNNNNG	CCCAGCC	
32_Pabe	GAGCAGGCAGTTACCCCGCGG	-----	AAAGAGGAACTAGAGACGGT	GNNNNNNNNNG	CCCCGCC	
23_Cjac	GAGCATGCACTTACCCCCAG	-----	GAAGGACTGGAGACAGT	GNNNNNNNNNG	CAGAGCC	
32_Hsap	GAGCAGGCAGTTACCCCGCAG	-----	AAAGAGGAACTAGAGACAGT	GNNNNNNNNNG	CCCCACC	
59_Ptro	GAGCAGGCAGTTACCCCGCAG	-----	AAAGAGGAACTAGAGACAGT	GNNNNNNNNNG	CCCCGCC	
95_Ogar	GAGCAGGCAGTCACCCCACAC	-----	GAGGAGGAACTGGAAACGGT	GNNNNNNNNNG	CCCAGCC	

Indel

	850	860	870	880	890	900	910
75_Mmul	AGAGCCGGAGCCAAGCCACGTCCTCCAGCCTACATCAAGACCCAAATGAACAAGGAGC						
12_Ggor	AGAGCCAGAGCCAAGCCACGTCCTCCAGCCTACATCAAGACCCAAAGTGAACAAAGAGC						
36_Nleu	AGAGCCAGAGCCAAGCCACATCCACGTCCTCCAGCCTACATCAAGACCCAAAGTGAACAAGGAGC						
47_Tsyr	TGAGCAAGAGCCAAGCCAGATCCACATCCTCCAGCCTACATCAAGACCCAACTGAACCAGGAGC						
06_Mmur	AGAGCAAGAGCCAAGCCAGATCCACATCCTCCAAACGTATATCAAGACCCAACTGAACAAGGAGC						
32_Pabe	AGAGCCAGAGCCAAGCCACGTCCTCCACATCCTCCGAGCCTACATCAAGACCCAAAGTGAACAAGGAGC						
23_Cjac	AGAGCCAAAGCCAGCCACATCCAAGTCCTCCAAGCCTACATCAAGACCCAAAGTGAACAAGGAGC						
32_Hsap	AGAGCCAGAGCCAAGCCACATCCACGTCCTCCGAGCCTACATCAAGACCCAAAGTGAACAAAGAGC						
59_Ptro	AGAGCCAGAGCCAAGCCACGTCCTCCGAGCCTACATCAAGACCCAAAGTGAACAAAGAGC						
95_Ogar	ACAGCAAGAGCCAAATGAGGTCCACATCCTCCAAACCTATATCAAGACCCAACTGAACAAAGAGC						

Indel

	920	930	940	950	960	970
75_Mmul	TGGAGGAGCTCCAGCAGCTGGTGGGAAGAGCAGCTCAAGGCCAGCGAGGAAAAGGCTCAGCAGCAAG					
12_Ggor	TGGAGCAGCTCCAGGGAAGCTGGTGGAGGAGCGGCTCAAGGCCAGCAAGGAAAAGGCTCAGCAGCAAG					
36_Nleu	TGGAGCAGCTCCAGCGGCTGGTGGAGGAGCGGCTCAAGGCCAGCGAGGAAAAGGCTCAGCAGCAAG					
47_Tsyr	TGAAGCAGCTCCAACAGCTGGTGGAGGAGCAGCTCAAGGCCAGCGAAGAAAAGGCTCAGCAGCAAG					
06_Mmur	TGGGGCAGCTCCAACACCTGGTAGAGGAGAGGCTCAAGGCCAGTGAGGAAAAGACTCAGCAGCAAG					
32_Pabe	TGGAGCAGCTCCAGCAGCTGGTGGAGGAGCGGCTCAAGGCCAGCGAGGAAAAGGCTCAGCAGCAAG					
23_Cjac	TGGATCAGCTCCAGCGGCTGGTGGAGGAGCAGCTCAAGGCCAGCGAGGAAAAGGCTCAACAGCAAG					
32_Hsap	TGGAGCAGCTCCAGGGGCTGGTGGAGGAGCGGCTCAAGGCCAGCGAGGAAAAGGCTCAGCAGCAAG					
59_Ptro	TGGAGCAGCTCCAGGGGCTGGTGGAGGAGCGGCTCAAGGCCAGCGAGGAAAAGGCTCAGCAGCAAG					
95_Ogar	TGGGGCAGCTCCAAGAACTGGTAGAGGAGAGGCTCAAGGCCAGTGAGGAAAAGACTCAACAGCAAAA					

Indel

	980	990	1000	1010	1020	1030	
75_Mmul	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACCAAG
12_Ggor	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACCAAG
36_Nleu	TTGA	CTGC	ACTAG	AGCAG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACCAAG
47_Tsyr	TTGA	CTGC	ACTGG	AGCAG	CCCTT	GCAGCTACATCCGGGTAAAGGC	AAGAACCAAGACTAAG
06_Mmur	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCTGGCTAAAGGC	AAGAACAAAACTAAG
32_Pabe	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACCAAG
23_Cjac	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACTAAG
32_Hsap	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACCAAG
59_Ptro	TTGA	CTGC	ACTAG	AGCAG	CCCTT	CCAGCTACCTCCGGGTAAAGGC	AAGAGCAAGACCAAG
95_Ogar	TTGA	CTGC	ACTAG	AGCGG	CCCTT	CCAGCTACCTCCAGGCAAAAGC	AAGAACCAAGACTAAG

Indel