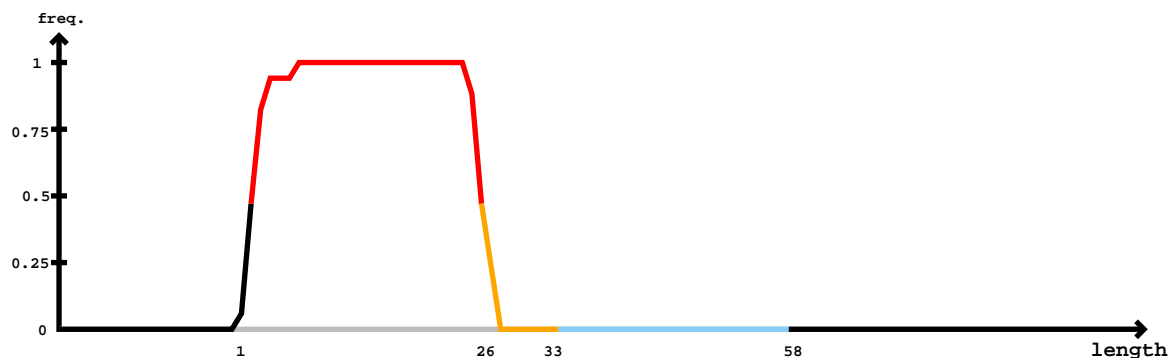


The diagram illustrates a segment of a DNA double helix. The top strand runs from left to right, starting at its 5' end (labeled '5'' in red) with an adenine (A) base. It continues with guanine (G), cytosine (C), guanine (G), adenine (A), guanine (G), guanine (G), uracil (U), guanine (G), uracil (U), uracil (U), adenine (A), uracil (U), cytosine (C), cytosine (C), adenine (A), cytosine (C), cytosine (C), adenine (A), adenine (A), and ends at its 3' end (labeled '3'' in blue). The bottom strand runs from right to left, starting at its 3' end (labeled '3'' in blue) with a thymine (T) base. It continues with adenine (A), guanine (G), cytosine (C), guanine (G), cytosine (C), guanine (G), uracil (U), cytosine (C), adenine (A), adenine (A), uracil (U), uracil (U), guanine (G), guanine (G), uracil (U), uracil (U), cytosine (C), cytosine (C), adenine (A), adenine (A), and ends at its 5' end (labeled '5'' in red) with a thymine (T) base. Complementary base pairs are connected by vertical lines: A-T, G-C, C-G, G-C, A-T, G-C, U-A, G-C, U-A, U-A, A-T, U-A, C-G, C-G, A-T, C-G, C-G, A-T, A-T, and T-A.



	Mature	Star			
5'-	augaagaaauucugcagguaagaggaggguuuauccaccaaggccaagggcgaaggcgagguggauaacauccuccgagau	cugcagaauucuucauuuacgaaagccgaaauuc	-3'	exp	
(((((((((((((((((((...(((((((((((((((((((((((...(((...)))))))))))))))))))))))))..... reads mm sample					
.....	.Aagaggaggguuuauccaccaagg.....		1	1	s52
.....	.agaggaggguuuauccaccaag.....		1	0	s52
.....	.agaggaggguuuauccaccaagg.....		1	0	s52
.....	.agaggaggguuuauccaccaCgg.....		1	1	s52
.....	.Aagaggaggguuuauccaccaaggc.....		2	1	s52
.....	.aggaggguuuauccaccaaggc.....		1	0	s52
.....	.Aagaggguuuauccaccaagg.....		1	1	s60
.....	.aggguuuauccaccaagg.....		1	0	s60
.....	.agaggaggguuuauccaccaag.....		1	0	s72
.....	.Aagaggaggguuuauccaccaagg.....		1	1	s72
.....	.Aagaggaggguuuauccaccaaggc.....		1	1	s72
.....	.aggaggguuuauccaccaaggc.....		1	0	s72
.....	.Aagaggguuuauccaccaagg.....		1	1	s85
.....	.agaggaggguuuauccaccaCggc.....		3	1	s35