a) Window size 500 bases

\[(G - C) = \text{Number of G bases in window minus number of C bases}\]

\[(A - T) = \text{Number of A bases in window minus number of T bases}\]

b) Window size 500k bases

\[(G - C) = \text{Number of G bases in window minus number of C bases}\]

\[(A - T) = \text{Number of A bases in window minus number of T bases}\]