## S1 Fig:

**A**

CACAACTTATCATTTCACACTCACCTAGATCTATGGAGACGTGCTCCTGTGGAAGGGAGT –587
AGTTGTGATCATGGAGAATGGAAGAGCTGGAAGAGCCGAGAACATCCCGCGATACTGAGG –527
GACTGAGCAGAGAGCTCAGTAAATCCTCTACCTCCCAGTCGCTCAGTTCTTGCACGGAGT –467
TCTATCAAATTCAAAGGCCTTGATTTATTTCCGTACCTTGGGTCTCGCGGACATCCCTAG –407
CTTCCCCCACTGGGAACACCCACCCACCCACCTCGGAAGGTGACAGCTCTAAGTCCAGCG –347
GAGCCTTCACGTCCGGCTCAGTCGCAGCCCACAAATCTCCGCTTTCCTCTAGCAGGAAGC –287
CCAGCAGGTCCTGATCACCGGGATCCAAAGCTAGCAGATCCTGACCACCAGGATCCATTT –227
GGGATATCTATGGATAGAAATCCCTCCGCGCAGATCCAACCTCCGAACCTCAGGCACGAC –167
CCCTCAGTCTGTCCAGTCGGCTCGACTTAACCTCCGTCACTCCGGGACAAGGGCCTAGCT –107
GTCACTCTAAACCGCACCCGTCTCTCAGCTTCTGTATTCCTCAGCTTCCAACACAACGGA –47
AGTGGTGCACATAGCCCCGTGGAATCCTGGGACTTGGAGTTCTCTCC**AACTCGGAAGTGG** **+13**
**CTCCTGGGCTGCGCCACGTCCCGGGGGCTATGCAAATTATGGGGACGTCCTTTCAAGCTT** **+73**
**CCCACGCCCCAGGGCGGGGATTCTGAGGATCCTTGTCCGCCTTC**GCCTCGAGCTATTAAA +133
**AAAAAAAACTTAAGCGTTTAAAAGGGAACTCCAGCTTAGTTCGGGCGTTCTCTCCAGAGC** +193
**TCTGCACGCTCGCTTCCTGCTGGGGAGGGGCGGCCAGGCTTCGCGGGCGCCCGAGCATCG** +253
**AGAACTACGGCCAGAGCAGCTTCCTGCAGTCTCCGCTACCATAGAGCGCGGGCCCAGGGC** +313
**GCCGCCGGCGGGTGGGGGACGTTTCCAGGACGGAAGTGGCCGAGAGTGTGTCGAAGGGAG** +373
**GGCGAGGCCGGAGCCCCAAAAGCGACCGGGAGAAGGAGCGGGTAGCGGGCCCAGGGCGGG** +433
**GCGCAGAGCCGGGCAGCGCAG**GTAGGCCGGACGGGCTGGGCCGAGCTTCTAGGTGGGGCT +493

**B**

CCGCAGCC**ATG**GCGGGTATGAAGACAGCCTCCGGGGACTATATCGACTCTTCCTGGGAGC +572
TGAGGGTGTTTGTGGGCGAGGAGGACCCTGAGGCCCAGTCTGTCACACTCCGAGTCACGG +632
GGGAGTCGCACATTGGTGGGGTACTTCTGAAGATCGTGGAGGAAATCAGTGAGTCCCCGT +692
GACCCTATGTATCCAGTCATGACAGCTCTCCCTGGCTTTTCTAGGCCATTCTCGCCTCTA +752
CTCATAACCTTGTCACAGTGACTCAGGCAACAGTCTTTAATTATTTGGTTCCAAAGAAGG +812
TATTTCTTCAACTTCCCCTCTCCATACTTCCTCCAGCTCCTACTGGTTCTGTCTAGTCTC +872
CAAGAGACAGACAACATGGTCCCCTGTGTGTCTTGCCTGTGCCGAGGCTTATTATGTTCC +932
TGAGGGATGGCTAGGAGGTTCCTGGGGACCTGGCACCTACTCTCCTAAATTTCCTCCCCA +992
GCAAACCACTTGGCAGGCTGCTGACAGTGGGTGAGAGGCCCTGCCCCCACAGGAAGTTAC +1052
GGCAGAGTAGGCTAGGGCGATATCAGTCACCCAGAAGGCCCCATGAGGCTTCTCATCAAC +1112
TTTACCAGCAGAGAATGAGAGTTATCACTTCCTGGGAGGATGGCAGGAAAGCCCCGATAG +1172
TCAGAGCCGGAAGACATCCCACCATGAGCTCCCGATAGTCAGAGCCGGAAGACATCCCAC +1232
CATGAGCTCCCGATAGCCAGAGACAGAAGGCATCTCACCATGAGTGTGGGTCCTAGGCCT +1292
CTGGAATTGGGACAGGGATAGAAGGCAGGTTTTCTAGACCCACCCAACCCTCTATGTGTA +1352
TGCAGTCCAAGACGGACCAGAGTGACTGAGCAGGACAAGCCCCAACACAGCCAAATAACA +1412
GGGTTGAGACAGAAGGGAACTGCCGGAAGCAGGGCCCAAAGAGGCTGTGAAAGCAGAAGT +1462
GGGAAGAGGGTTAGTCCCTCAGAAACTGGA +1492