Supplementary File 1.

OR463 sequence and sub-regions

N1

TCCAGCTCTGAATCTCACTCCCAGGCTCTGCCGAAGGTTCATGGAATCCTTACGCTGAATAATTTCAAC

m1 N2

ATATCGCTTCCGTTTGTCAGCAAATATTTCGGAGTAAAAGCGACCCAACAGAACTAACCCGGCCCTCGA

m2 N3

CGCTAAAATGATAAAAATTACCACTTAATTGGATCGCCCCAATATGCGACAGCTCTCCAGAGATCGAGC

m3

GTCAGTAGGAGGCTTGCCTCCTTTTATTCCTGCGGCAACGAGATAAAAATCTAATTTATAGCTTAGACTA

Blot

N4 N5 N6

TTTCGTGTGATTTCGGGACCCATCCACAGGTAGCTGACCGTTCTGATCTCGGCTACAAATGCCCCACAA

m4

CTTAGGTCCTGCCAGCCCGCAATGGATTCATATATTTTCGTATTTAATAAACAGGCTACCGAATTTCGCAT

Xasta

TTCCTGCCTACCTTCAAAAGGTCGCTCGATTTTAGAGCTGGCCTCC