

TR99VR CGCTGCTGCGCTATTCGGCGGC AACTGGAACAACACGTCGAACTCGGGTTCTCGCGCTGC 60
 wtTSP1 CGCTGCTGCGCTATTCGGCGGC CGCTGGAGCAACACGTCGAGCTCGGGTTCTCGCGCTGC 60
 wtTSP2 CGCTGCTGCGCTATTCGGCGGC TCTGGAGCAACACGTCGTA CTCTCGGGTTCTCGCGCTGC 60
 wtTSP3 CGCTGCTGCGCTATTCGGCGGC TCTGGAGCAACACGTCGAACTCGGGTTCTCGCGCTGC 60
 wtTSP4 CGCTGCTGCGCTGTTTCGGCGGC TCTGGAGCAACACGTCGAACTCGGGTTCTCGCGCTGC 60
 wtTSP5 CGCTGCTGCGCTATTCGGCGGC TCTGGAGCAACACGTCGAACTCGGGTTCTCGCGCTGC 60

VR

TR99VR GAACTGGAACAACGGGCCGTCGAACTCGAACCGCAACATCGGGGCGCGGGCGTCTGTGA 120
 wtTSP1 GTACTGGACAGCGGGCCGTCGTA CTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120
 wtTSP2 GTACTGGAGCTACGGGCCGTCGCTCTCGCTCGCGTTCA TCGGGGCGCGGGCGTCTGTGA 120
 wtTSP3 GTACTGGTACAACGGGCCGTCGAACTCGGCCGCGTACTTCGGGGCGCGGGCGTCTGTGA 120
 wtTSP4 GTACTGGAGCGCCGGGCCGTCGTTCTCGTTCGCGTTCTTCGGGGCGCGGGCGTCTGTGA 120
 wtTSP5 GTACTGGAAC TACGGGCCGTCGTA CTCTCGAACCGCTACATCGGGGCGCGGGCGTCTGTGA 120

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VR

TR99VR CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCC AAGGCAACCGATG 172
 wtTSP1 CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCC AAGGCAACCGATG 172
 wtTSP2 CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCC AAGGCAACCGATG 172
 wtTSP3 CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCC AAGGCAACCGATG 172
 wtTSP4 CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCC AAGGCAACCGATG 172
 wtTSP5 CCACCTGATTCTTGAGTAGCGGGGCCGAAAGGCCCGCC AAGGCAACCGATG 172

VR

WT Hairpin