

>WT
NNNTATNNTANNTAGAGGCTGCCGCAGACCCAGCGGCCATCGCCTCCCTCAATCCCAATATCCATTGTCTCCCACCCACC
TGGCCCTCCACTT**CCCCACAACC**ATGGCGCACGAATCCGAGAGGAGCTCTCGTCTCGGGGTGCCCTGCCGGGAGCCGGCA
GAGCTCGGAGGTGCGGTAGGGTCGGTGGGCTGGGCAGGGGTGGGGCGGAGGGGGATGCGCAGGGGCGGCAGACTTTC
GGTGGGTGGGAGAAAAATGCANGNNNNNNNGTNNNNNNNNN

= MAHESRSSRLGVPCGEP AELGGAVGSVGLRGGGGGGCAGAAKTFGGWEKM

>Clone_17
TAGNTAGAGGCTGCCGCATAGCCAGCGGCCATCGCCTCCCTCAATCCAATATCCATTTTCTCCCACCCCTCGTGTCCCTC
CCCTT**CCCC**CCAAGGCGCNCGAATCCGAGAGGAGCTCTCGTCTCGGGGTGCCCTGCCGGGAGCCGGCAGAGCTCGGAGGT
GCGGTAGGGTGGTGGGCTGGGCAGGGGTGGGGCGGAGGGGGAATGCGCAAGGGGCGGGCAGACTTTCGGTGGGTGG
NNNNNNNANNGC NNNNNNNNCNNNNNNNNNNNNNNNN

= KAXESRSSRLGVPCGEP AELGGAVGSVGLRGGGGGGMRKGRAKTFGGW

WT	NNNTATNNTANNTAGAGGCTGCCGCAGACCCAGCGGCCATCGCCTCCCTCAATCCCAATA	60
Clone_17	-----TAGNTAGAGGCTGCCGCATAGCCAGCGGCCATCGCCTCCCTCAATCCAATA ** ***** * *****	52
WT	TCCATTGTCTCCCACCCACCTGGCCCTCCACTT CCCCACAACC ATGGCGCACGAATCC	120
Clone_17	TCCATTTTCTCCCACCCCTCGTGTCCCTCCCTT CCCC ----CCAAGGCGCNCGAATCC ***** ***** * ** ***** ***** ** *	108
WT	GAGAGGAGCTCTCGTCTCGGGGTGCCCTGCCGGGAGCCGGCAGAGCTCGGAGGTGCGGTA	180
Clone_17	GAGAGGAGCTCTCGTCTCGGGGTGCCCTGCCGGGAGCCGGCAGAGCTCGGAGGTGCGGTA *****	168
WT	GGGTCGGTGGGCTGGGCAGGGGTGGGGCGGAGGGGGATGCGCAGGG---GCGGCGAAG	237
Clone_17	GGGTCGGTGGGCTGGGCAGGGGTGGGGCGGAGGGGGAATGCGCAAGGGGCGGGCAGAG ***** * *****	228
WT	ACTTTCGGTGGGTGGGAGAAAAATGCANGNNNNNNNGTNNNNNNNNNN-----	285
Clone_17	ACTTTCGGTGGGTGGNNNNNNNANNGC NNNNNNNNCNNNNNNNNNNNNNNNNNN ***** *****	281