

WT TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#1 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#2 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#3 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#4 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#5 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#6 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#7 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#8 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#9 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#10 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTTAA-----GGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#11 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#12 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#13 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCCTGATTAACCTGCCAAAAGGCTGAAGACCATGACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#14 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATG-----ACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#15 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAGATG-----ACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

#16 TTGGTTTTGTGGCAACATGCTGGTCAATCCATTCAG-----GATTAACCT-----GCCATCTCTGAACCTG

#17 TTGGTTTTGTGGCAACANNCTGGTCTCAATG-----ACTGACATCTTAACCTGCTCAACCTGGCCATCTCTGAACCTG

FIG. 3c