

# T14A322

(539 bps deletion)

Gr64d-PC

Gr64d-PA

T1 ATGCTGAGGAGCCATTTGTCTGTTTCATGGACTTCAA**ATG**GAGCGGTCAGTGCAGGAGAATACCCTGCATTATACCATTG  
GGCATGGTGAGTTAGGTTCCCGAGTTGATCAGATCTCTCAGCTTGCCCTTGCA**GTTCTGATAATAGCCCGGATTTTTGGC**  
GTACTACCCCT**CG**GCCCGAATAAATCCTAATGGCAAGCCGGAAAATGTTCCGCTTTCGGCTGGTTTTCGCCATACATTCTGTT  
TTTCGTCGTGGCATTACATTTGTAATCGCTGACTTT**ATG**CTCTCAACTAAGATTGTA**CTGAACGATGGCCTTCAGCTGTA**  
TACCATGGGTAAGATGTTGGATAATATATATAAAGATATATATAACCAAGTTGTTTTCCCACTATTTATTCTCC  
GAGGCTCTTTGA**GTTTTAGTGTGATTTGCATATTTTGTTCGGATCGTTTATAAACTGTCCCGTCCGATGGCCCCATAT**  
CATCCGGGAAACAGCGCTATGTGAGCGAATCTTCTGAAGCCCTGCTATGCCGAACCAGGAAGGACTCAATTCACCCGA T4  
TTTCTTAGGGCGATGGGCATTGATCCTTCTGGTGGCCGCTCTATGTGAGCACCTGACCTATGTGGGAAGTGGCGCTTGG  
A  
GTA**ACTATGTCCAGATT**CGAGATTGCAATCTGAAGGTGGGATT**CGTGGAGA**ACTACTTCC**TC**CGAGCGTCAGGAGTT  
ATTCTCGGTTTTTGAATACCGCGCCTGGATGGTGTCTTTATCGAATGGAACACCATGGCCATGACTTTTGTGTGGAAC  
TTTGGCGATATTTTCTGTTTCTCATGTGTCGAGGCTTGAAGATTCGTTTTCAACAGCTGCACTGGCGTATTCGTCAGA  
ATCTGGGAAAGCCGATGGCCAAGGAGTTCTGGCAGGAAATACGTTCCGGACTTTTTGGATCTGGATAGCCTGCTGAAGC  
TCTACGACAAGGAGTTGTCTGGACTGATTCTGGTCTGCTGTGCCCACAACATGTA**CTTCATTTGTGTTCAAGTCTACCAT**  
AGTTTTCA**GTGAGCTCCCAACTGCTTTTATTGTATATACCATATATTCAA**AA**CACTCCTTAACAATATATAG**

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- start codon
- exon
- intron
- cleavage sites of CRISPR
- deletion