



**C**

↓  
 VFGVLILTLLGFLVAATFAWNLLVLATILRVRTFHRVPHNLVASMAVSDVLVAALVMPLSLV **sgRNA1 Amplicon Consensus**  
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**IN FRAME MUTANTS:**

- (i) VFGVLILTLLGFLVAATFAWNLLVLATILRVXXXXXXXXPHNLVASMAVSDVLVAALVMPLSLV
- (ii) VFGVLILTLLGFLVAATFAWNLXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXLVAALVMPLSLV
- (iii) VFGVLILSLLGFLVAATFAWNLLVLATILXSQQSTTTPMRMPTMRAARCSFCVRTFHRVPHNLVASTAVSDALVAALVMPLSLV

**FRAMESHIFT MUTANTS**

- (iv) VFGVLILTLLGFLVAATFAWNLLVLATILPRWSCR\*AW
- (v) VFGVLILTLLGFLVAATFAWNLLVLATIRRAGHAAEPG