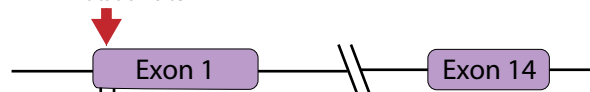


Grin2aa

TALEN mutation site



DNA sequence

WT: ATGAAGTCGAGCACTATGGGGTTT ----- TCCA GGTGTTCTTCT
MUT: ATGAAGTCGAGCACTATGGGGTTT g t t c t ---- GGTGTTCTTCT



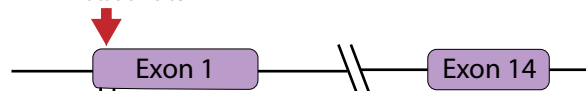
Truncated protein

Amino acid sequence

MKSSTMGFVLVGSSDSSSSPYPHQHLTCGRESAHTHC
CDPGSDSLHL **STOP**

Grin2ab

TALEN mutation site



DNA sequence

WT: ATGATGGGAGCTGTAGTCCGCTTG a t g g t c t t ATGGGCTTTG
MUT: ATGATGGGAGCTGTAGTCCGCTTG - - - - - ATGGGCTTTG



Truncated protein

Amino acid sequence

MMGAVVRLMGFAGRVTGRREASIPEHSCDIGPNSYSVR
ISPASGSWDWCTSRCDCTQHPGESDGPRESHAHTPV **STOP**