

Wild-type peptide

Mutant peptide

GLUT1

TPEELFH**P**LGADSQV

TPE**E**LFH**LL**GADSQV

ITPR1

GGSEENT**P**LDLDDHG

GG**S**E**E**NT**LL**DLDDHG

CACNA1H

PGTGGHG**P**LSLNSPD

PGTGGHG**LL**SLNSPD