

AAVS1 mutations in HEK293 induced by LP-ZFNLR(AAVS1)

GGGTACTTTTATCTGTCCCTCCACCCACAGTGGGGCCACTAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	WT
GGGTACTTTTATCTGTCCCTCCACCC-----GCCACTAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	-9
GGGTACTTTTATCTGTCCCTCCACCCA-----GGATTGGTGACAGAAAAGCCCCATCC	-20 (x2)
GGGTACTTTTATCTGTCCCTCCACCCACAGTGG-----ACAGGATTGGTGACAGAAAAGCCCCATCC	-11
GGGTACTTTTATCTG-----ACCCACAGTGGGGCCACTAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	-8
GGGTACTTTTATCTGTCCCTCCACCCACAGTGGGGCCAGGTAACCACTTGGCCAggttaaccagcttgccag gtgacacgcagtggtgaggaaggggagggccactaggccagctgcgccaCTAGGGACAGGATTGGTGACAGAAA	+68

AAVS1 mutations in NHDFs induced by LP-ZFNLR(AAVS1)

GGGTACTTTTATCTGTCCCTCCACCCACAGTGGGGCCACTAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	WT
GGGTACTTTTATCTGTCCCTCCACCCACAGTGG-----ACAGGATTGGTGACAGAAAAGCCCCATCC	-11
GGGTACTTTTATCTGTCCCTCCACCCACAGTGGG-----ACAGGATTGGTGACAGAAAAGCCCCATCC	-10 (x3)
GGGTACTTTTATCTGTCCCTCCACCCACAGTGGGGCA-----ACAGGATTGGTGACAGAAAAGCCCCATCC	-6
GGGTACTTTTATCTGTCCCTCCACCCACAGT-----GGGACAGGATTGGTGACAGAAAAGCCCCATCC	-10
GGGTACTTTTATCTGTCCCTCCACCCACAGTGGGGCAgccaCTAGGGACAGGATTGGTGACAGAAAAGCCCC	+4

AAVS1 mutations in HKs induced by LP-ZFNLR(AAVS1)

GGGTACTTTTATCTGTCCCTCCACCCACAGTGGGGCCACTAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	WT
GGGTACTTTTATCTGTCCCTCCACCCACAGTGGG-----ACAGGATTGGTGACAGAAAAGCCCCATCC	-10 (x2)
GGGTACTTTTATCTGTCCCTCCACCCACAG-----GGACAGGATTGGTGACAGAAAAGCCCCATCC	-12 (x2)
GGGTACTTTTATCTGTCCCTCCACCCACAGTGGG-----CTAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	-4
GGGTACTTTTATCTGTCCCTCCACCCAC-----AGGGACAGGATTGGTGACAGAAAAGCCCCATCC	-12 (x2)
GGGTACTTTTATCTGTCCCTCCACCCACA-----TAGGGACAGGATTGGTGACAGAAAAGCCCCATCC	-10