

Table S1. Insertion 96 pb sequence

Insertion 96 pb
AATATGCCTGTGAACACCTAGAGGACCCCAGAGGAGGTCTCATCCATCTTTATAGTCCCTC TGCAACAAGCACAAATGACCTGCATGTGATGTGCAG

¹Tables may have a footer.

Table S2. WT protein sequence

WT HDAC8 sequence
MEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHKQMRIVKPKVASME EMATFHTDAYLQHLQKVSQEGDDDDHPDSIEYGLGYDCPATEGIFDYAAAIGGATITAAQCLID GMCKVAINWSGGWHHAKKDEASGFCYLNDVGLGILRLRRKFERILYVDLDLHHGDGVEDAFS FTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNVPIQDGIQDEKYYQICESVLKEYYQAF NPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYILQWQLATLILGGGGYNLANTARCWTY LTGVILGKTLSEIPDHEFFTAYGPDYVLEITPSCRPNRNEPHRIQQILNYIKGNLKHVV

Table S3. Variant protein sequence

Variant protein HDAC8 sequence
MEEPEEPADSGQSLVPVYIYSPEYVSMCDLAKIPKRASMVHSLIEAYALHKQMRIVKPKVASME EMATFHTDAYLQHLQKVSQEGDDDDHPDSIEYGLGYDCPATEGIFDYAAAIGGATITAAQCLID GMCKVAINWSGGWHHAKKDEASGFCYLNDVGLGILRLRRKFERILYVDLDLHHGDGVEDAFS FTSKVMTVSLHKFSPGFFPGTGDVSDVGLGKGRYYSVNVPIQDGIQDEKYYQICESVLKEYYQAF NPKAVVLQLGADTIAGDPMCSFNMTVPVGIGKCLKYILQWQLATLILGGGGYNLANTARCWTY LTGVILGKTLSEIPDHE NMPVNT*RTPEEVSSIFIVPLQQAQ*PACDVQ FFTAYGPDYVLEITPSCR PDRNEPHRIQQILNYIKGNLKHVV