

Supplementary Table 4. The sequence of HDAC10 WT, mutants, HPD and G6PD

promoter primers

Gene	Sequence
HDAC10 WT	Forward primer: 5'- GCTCTAGAGCCACCATGGACTACAAGGA CGATGACGACAAGGGTTCTGGAGGCACGACTTACAGTGACA AAG-3' Reverse primer: 5'- CGGGATCCTTACATGCCGGGCACCACCCC -3'
HDAC10 S368A	Forward primer: 5'- GTGACCGCTGTGCCGATGGCCCC-3' Reverse primer: 5'- GAGTGGCTGCTGGGGCTCGCCG-3'
HDAC10 S373A	Forward primer 5'- AGCCCCAGCAGCCACGCCCCAGAGGG-3' Reverse primer: 5'- CGTGGCTGCTGGGGCTCATCGGCACA-3'
HDAC10 S393A	Forward primer: 5'- TGTAAGGCAGCTGCAGCTGCACCGAG-3' Reverse primer: 5'- CTGCAGCTGCCTTACACACTGGACCC-3'
HDAC10 S540A	Forward primer: 5'- GAGGCGGCTGCCCTAGCCATGTTCCA-3' Reverse primer: 5'- CTAGGGCAGCCGCCTCCTTGCCCCTG-3'
pCDH-Flag HPD	Forward primer: 5'-GCTCTAGAGCCACCATGGACTACAAGGA CGATGACGACAAGGGTTCTGGAGGCACGACTTACAGTGACA AAG-3' Reverse primer: 5'- CGGGATCCTTACATGCCGGGCACCACCCC -3'
pcDNA3.1- Flag HPD	Forward primer: 5-CGGGATCCGCCACCATGGACTACAAGGACG ATGACGACAAGGGTTCTGGAGGCACGACTTACAGTGACAAA G-3' Reverse primer: 5'-GCTCTAGATTACATGCCGGGCACCACCCC -3'
G6PD promoter	Forward primer: 5'- CGGGGTACCCAATTGTTGAAGTTG GTAGC TGTGA -3' Reverse primer: 5'- CCGCTCGAGAAGTGTACGACCGTTT CC -3'