

Data S1

siRNA order information or target sequences:

Scrambled siRNA: non-targeting siRNA (Thermoscientific Dharmacon)

Mapk11_si1: ON-TARGETplus Mouse Mapk11 SMARTpool (Thermoscientific Dharmacon, L-050928-00-0005)

Mapk11_si2: Silencer® Select siRNA (Thermofisher Ambion, #s72151, targeting 5'-CGCCAGAGAUCAUGCUGCAAATT-3')

Map2k6_si: ON-TARGETplus Mouse Map2k6 SMARTpool (Thermoscientific Dharmacon, L-043421-00-0005)

MAPK11_si_1: 5'-CGCAUGUAUGCAUGCACAATT-3'

MAPK11_si_2: 5'-GAACACGCCCGGACAUAUATT-3'

MAP2K6_si1: ON-TARGETplus Human MAPK11 SMARTpool (Thermoscientific Dharmacon)

MAP2K6_si2: FlexiTube siRNA pool (Qiagen, #GS5608)

ATG5_si: 5'-GCCUGUAUGUACUGCUUUA-3';

SQSTM1_si: 5'-GAUCUGCGAUGGCUGCAAU-3';

ATG12_si: 5'-GAACACCAAGUUUCACUGU-3';

ATG16L_si: 5'-UGUGGAUGAUUAUCGAUUA-3';

DAXX_si: 5'-GGAGUUGGAUCUCUCAGAA-3';

HTT siRNA (HTT3): 5'-CAGGUUUAUGAACUGACGUUA-3'

Htt siRNA (B01): 5'-CUCAUUGUGAAUCACAUUCAA-3'

Htt siRNA (C01): 5'-CUGGUUGGUAUUCUUCUAGAA-3'

Htt siRNA (Hdh5): 5'-ACCGUCUCAAUCAUUGUCUAA-3'

qPCR primer sequences (5'~3', all primers have been validated by standard curves for efficiency (95%~105%) and linearity ($R^2 > 0.999$):

Hprt-F	GTC AACGGGGGACATAAAAG
Hprt-R	CAACAATCAAGACATTCTTTCCA
Htt-F	CTGCACGGCATCCTCTATGT
Htt-R	TGTTACGCAGTGGGCTATT
Htt(#38)-F (for Htt mRNA stability)	CCTTCCCGTGAGTGAGTGA
Htt(#38)-R (for Htt mRNA stability)	GCTGATAAAACCTGTCCCATGA
Map2k6-F	CGGCCACATATCCAGAG
Map2k6-R	ATGGCTTTTTAGTCCCCAAGT
Mapk11-F	CCTGAGGTTCTGGCAAAGAT
Mapk11-R	CACTGCTGAGGTCCTTCTGG
HPRT-F	CCTGGCGTCGTGATTAGTG
HPRT-R	TGATTAATAAACACCCTTTCCA
HTT-F	CCTTTTTGAAGCAGCCCGTG
HTT-R	TGCAGCATCCCCAAACAGAT
DAXX_F	GAAGACGATGAGGAGAGTGATGAG
DAXX_R	GGCTCTGTCTCCATCTTTACCTG