

Table S3

qPCR primers

DYRK1A-F:	ATCGACATGTGGTCCCTTGGATGT
DYRK1A-R:	TGGGATGCCCAAGACTTCCACTAT
RLP0-F:	AGGTGTTGACAATGGCAGCAT
RLP0-R:	TGCAGACAGACACTGGCAACAT
IL8-F:	CCACACTGCGCCAACACAGAAATTA
IL8-R:	AAACTTCTCCACAACCCTCTGCAC
TNF-F:	GCCCATGTTGTAGCAAACCCTCAA
TNF-R:	AGTAGATGAGGTACAGGCCCTCTGAT
TGF β -F:	ATGAACCGGCCTTTCCTGCTTC
TGF β -R:	AAGCAATAGTTGGTGTCCAGGGCT
CCL13-F:	ACGTCCCATCTACTTGCTGCTTCA
CCL13-R:	ACTTCTCCTTTGGGTCAGCACAGA
FAS-F:	GAACACTGTGACCCTTGCACCAAA
FAS-R:	TCTTTGCACTTGGTGTGCTGGTG
CHUK-F:	ACAGTGACAGCACAGAGATGGTGA
CHUK-R:	ATTACTGAGGGCCACTTCCACCTT
PTMS-F:	GCAAGCCGGAAAGAGCGAAAGAAA
PTMS-R:	GGCCCTTCATCATCCTCTTCTTCT
MICB-F:	TGACAGAGAATGGGCAAGACCTCA
MICB-R:	TGGTGCTGCTGTCTTCATGGATCT
CXCL1-F:	GGAAAGCTTGCCTCAATCCTGCAT
CXCL1-R:	TCCTCCCTTCTGGTCAGTTGGATT
CXCL2-F:	TAGCCACACTCAAGAATGGGCAGA
CXCL2-R:	TGCAGCTGTGTCTCTCTTTCTCT
BGNT5-F:	GCCCAAGATTTAAAGCCCGCAAGT
BGNT5-R:	TCATGCGGCTCTCCCATGTGAATA

LYAR-F: GCCTTTCTTGCATTGACTGCGGTA
LYAR-R: TGCTGTTTGATGTCGCCTTTGTGG

EREG-F: AGGCAGTCCTCAGTACAACACTGTGA
EREG-R: ACTTGAGCCACACGTGGATTGTCT

ATP6V1C1-F: ACCACTTGTACGGTGGCTGAAAGT
ATP6V1C1-R: AGCATTGCTTGGAAGTTCCTGCGC

RGS2-F: CGAGGAGAAGCGAGAAAAGA
RGS2-R: TTCCTCAGGAGAAGGCTTGA

IFI44-F: GCATGTAACGCATCAGGCTTTGGT
IFI44-R: ACGGCAGGTATTTGCCATCTTTCC

IL18-F: GCTTGAATCTAAATTATCAGTC
IL18-R: GAAGATTCAAATTGCATCTTAT

IL1a-F: TAGCAACCAACGGGAAGGTTCTGA
IL1a-R: AAGGTGCTGACCTAGGCTTGATGA

IL7R-F: TCGGGAAGGAGCCAATGACTTTGT
IL7R-R: TCTCTGCAGGAGTGTCAGCTTTGT

IL6-F: GGTACATCCTCGACGGCATCT
IL6-R: GTGCCTCTTTGCTGCTTTCAC

BNIP3L-F: TTCGCCACAAGAAGATGGGCAGAT
BNIP3L-R: AGTGGAACCTCCTGGGTGGAATGT

CCL2-F: TCGCTCAGCCAGATGCAATCAATG
CCL2-R: TGGAATCCTGAACCCACTTCTGCT

CCNB2-F: TCGACCCTTGCCACTACACTTCTT
CCNB2-R: ACCTTCTGAGACAAGCAGGAAGCA

JMJD6-F: TATGGCACAAGACGGTAAGAGGGA
JMJD6-R: AAGCTATCCCTGTGGACTCCTGAA

MAPK1-F: ATTCCAAGGGCTACACCAAGTCCA
MAPK1-R: TTCCCTGGAAAGATGGGCCTGTTA

NOTCH-F: GTGCCATGGCCAATAGCAATCCTT
 NOTCH-R: AACGAGGTCCTGCATAACCCTTCA

 OSTM1-F: TCAGAGAGTCAGAGTTGTGCCAGA
 OSTM1-R: ATGTTCAAAGCAGGTCAGGGTGTG

 TLR6-F: ACCCATCGGCTGATTTCTTCCAGA
 TLR6-R: AATCAGGCCAGCCCTCTAACACTT

 TNFIP6-F: TCATGTCTGTGCTGCTGGATGGAT
 TNFIP6-R: TGGATCTGTAAAGACGCCACCACA

 TPD52-F: AACATTGCCAAAGGGTGGCAAGAC
 TPD52-R: TGTCCAGCCTGGGATAAGGTTTCA

 MDM2-F: GGAGCAGGCAAATGTGCAATACCA
 MDM2-R: TTCCGAAGCTGGAATCTGTGAGGT

 HP1 α -F: AACAGTGCCGATGACATCAAA
 HP1 α -R: GCCCAATGATCTTTTCTGGT

 HP1 β -F: GCCGGAGCGGATTATTGGAG
 HP1 β -R: GTGGGCACTTGACATTGGC

 HP1 γ -F: TGCCAGAGGTCTTGATCCTGA
 HP1 γ -R: TCTTTCGCCAGCACCAAGTCT

Primers for ChIP analysis

IL8-PP-F: AAGAAAACCTTTCGTCATACTCCG
 IL8-PP-R: TGGCTTTTTATATCATCACCCCTAC

 TNF α -PP-F: AAACACAGGCCTCAGGACTCAACA
 TNF α -PP-R: ACCAGGTCTGTGGTCTGTTTCCTT

 TGF β -PP-F: ATGGCACCGCTTCTGTCCTTTCTA
 TGF β -PP-R: TAAGCAGCCTCCTGTCACTCAACA

 IL1a-PP-F: AGGAGCTGCCAAGTATTCTGCCAA
 IL1a-PP-R: AGGGAAGCGCGGGAAACTTATCAA

 IL6-PP-F: TTGTGGGATTACTATGCGCCAGGA

IL6-PP-R: TGTTACATCAAGGACCTGTGCCCT
IL7R-PP-F: GCTGAGGCAGGAGAATTGCTTGAA
IL7R-PP-R: TGTTGCCCAGGCTGGAGTACAATA
IFI44-PP-F: GCTGGATCAGCTTATGCTCCTTTGT
IFI44-PP-R: AGGAAACTGAAACTCAGTGTGCCAG
TNFIP6-PP-F: TCATGTCTGTGCTGCTGGATGGAT
TNFIP6-PP-R: TGGATCTGTAAAGACGCCACCACA

Primers for mutagenesis

H3T45E s: CGCTACAGGCCAGGGGAAGTAGCTCTGAGAGAGATCCG
H3T45E as: CGGATCTCTCTCAGAGCTACTTCCCCTGGCCTGTAGCG
H3S57A s: CGTCGTTACCAGAAAGCGACTGAGCTGCTCATCCGGA
H3S57A as: TCCGGATGAGCAGCTCAGTCGCTTTCTGGTAACGACG
H3S57E s: CGTCGTTACCAGAAAGAGACTGAGCTGCTCATCCGGA
H3S57E as: TCCGGATGAGCAGCTCAGTCTCTTTCTGGTAACGACG
DYRK1A V15A s: CAAACCTTCATCTGCCCGGCTCGCACCGT
DYRK1A V15A as: ACGGTGCGAGCCGGGCAGATGAAGGTTTG
DYRK1A V75A s: GTGATGCCTGACATTGCCATGTTACAGAGGCGG
DYRK1A V75A as: CCGCCTCTGTAACATGGCAATGTCAGGCATCAC
DYRK1A V332A s: TCGGTCTCCAGAGGCGCTACTGGGAATGC
DYRK1AV332Aas: GCATTCCCAGTAGCGCCTCTGGAGACCGA