## **Supplemental information**

## Setdb2 Regulates Inflammatory Trigger-Induced Trained Immunity of Macrophages Through Two Different Epigenetic Mechanisms

This file includes Supplemental figures S1-S6, figure legends and Table S1

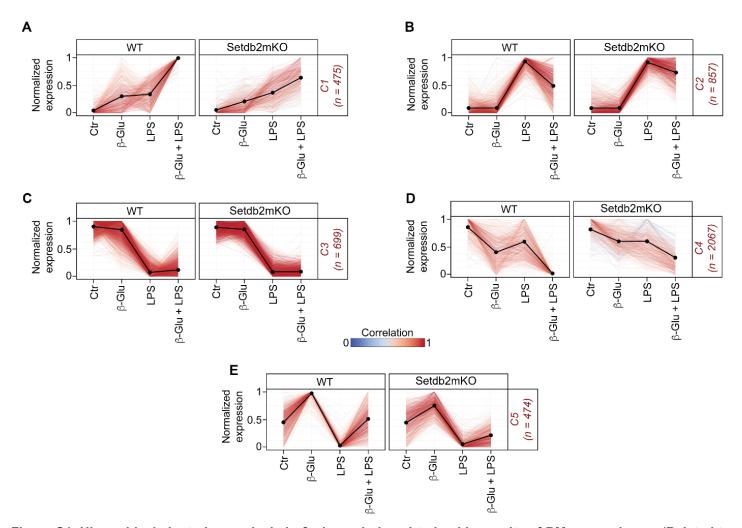


Figure S1. Hierarchical clustering analysis in  $\beta$ -glucan-induced trained immunity of BM-macrophages (Related to Figure 2)

(A-E) Line plots showing k-means (k = 5) and hierarchical clustering (n = 3) for genes expressed in untreated control,  $\beta$ -glucan alone, LPS alone, and  $\beta$ -glucan followed by LPS restimulated BM-macrophages from WT (n = 3) and Setdb2mKO mice (n = 3).

Statistical analysis for RNA-seq data was performed using DESeq2 with its default settings. Data are represented as mean  $\pm$  SD. 'n' represents biological replicates of each strain and treatment type. p-value was calculated using two-way ANOVA with Tukey post-hoc test for multiple comparisons. \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001, ns, not significant change.

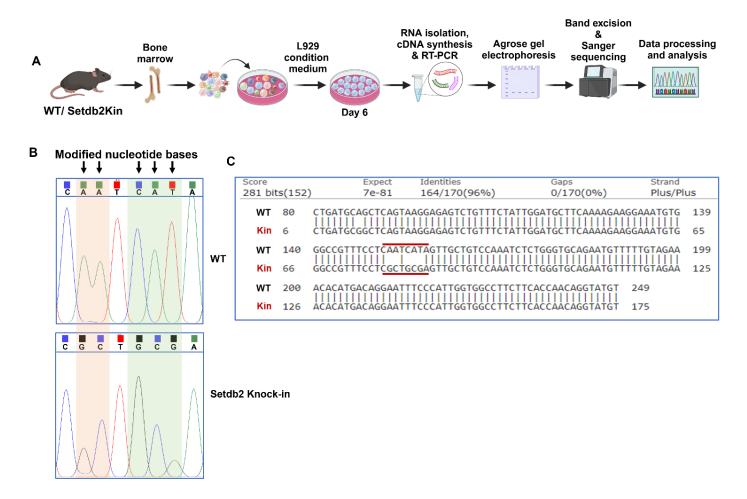


Figure S2. Setdb2Knock-in validation through sanger sequencing in BM-macrophages (Related to Figures 4 and S6)

(A) Work flow of Setdb2Kin confirmation. Bone marrow cells were isolated from WT and Setdb2Kin mice and differentiated with L929 condition medium for 6 days. Total RNA was isolated followed by cDNA synthesis. RT-PCR was performed with sequence specific primers (Table-S1) and products were visualized through agarose gel electrophoresis. Bands of interest were excised from the gel followed by purification and sanger DNA sequencing.

- (B) Sequence chromatograms depicting targeted nucleotide bases in WT (top), and Setdb2Kin (bottom).
- (C) Blast search display showing targeted nucleotide sequences in WT and Setdb2Kin mice.

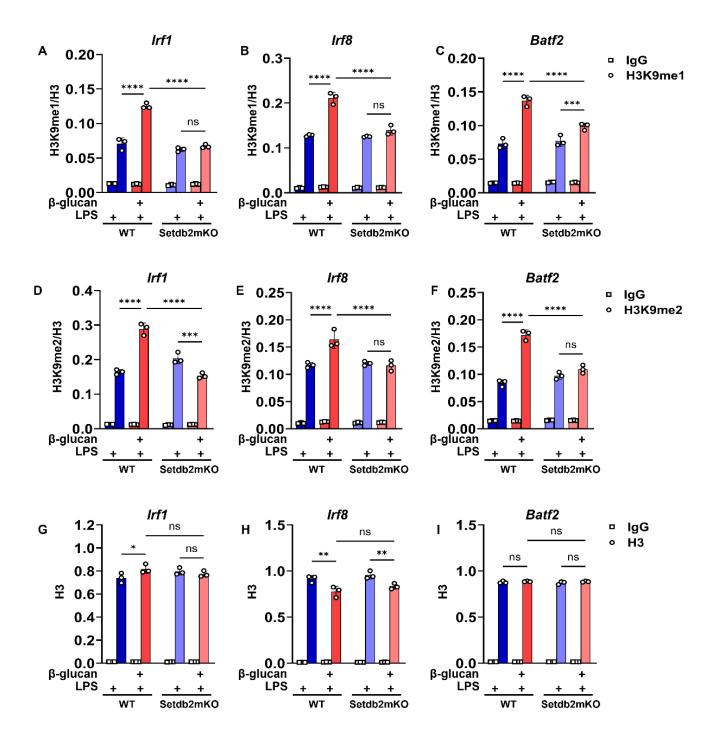
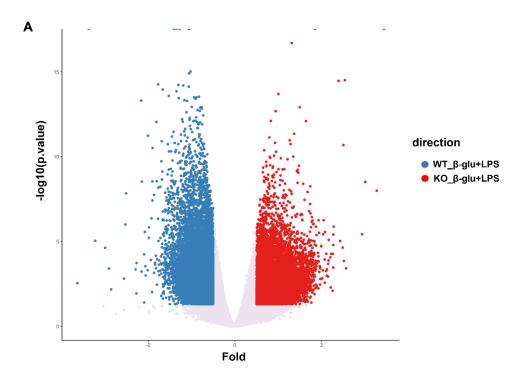
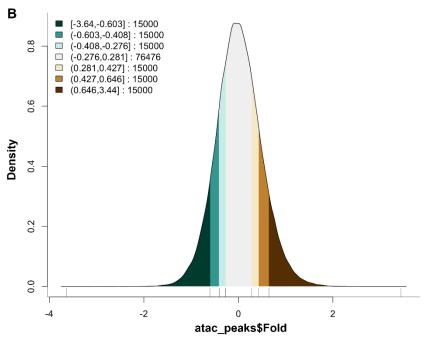


Figure S3. H3K9me levels in  $\beta$ -glucan trained WT and Setdb2mKO BM-macrophages (Related to Figure 5) Bone marrow cells were treated as detailed in the legend of Figure 5 followed by ChIP-qPCR analysis.

(A-C) H3K9me1 (D-F) H3K9me2 and (G-I) H3 levels at *Irf1*, *Irf8*, and *Batf2* promoters in LPS alone or  $\beta$ -glucan followed by LPS restimulated BM-macrophages from WT (n = 3) and Setdb2mKO mice (n = 3).

Data are represented as mean  $\pm$  SD. 'n' represents biological replicates of each strain and treatment type. p-value was calculated using two-way ANOVA with Tukey post-hoc test for multiple comparisons. \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001, ns, not significant change.







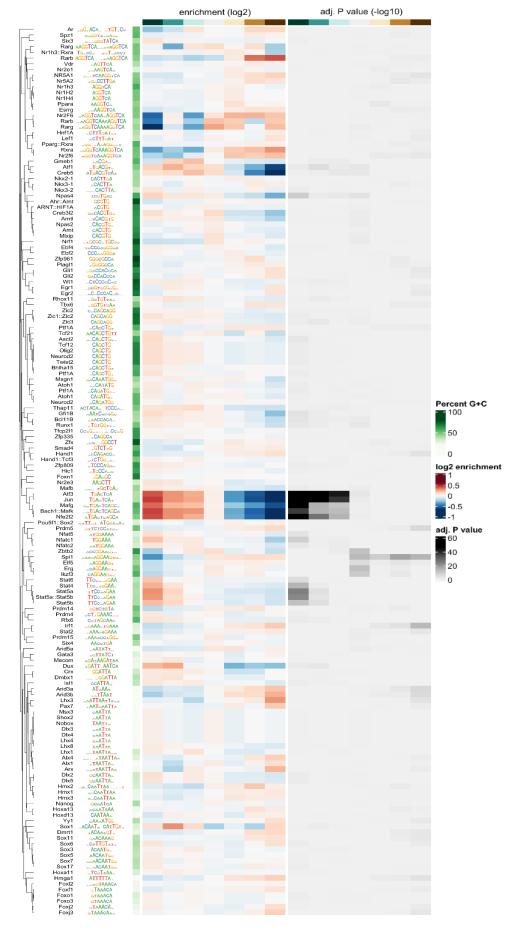


Figure S4. ATACseq analysis in β-glucan trained WT and Setdb2mKO BM-macrophages (Related to Figure 5) Bone marrow cells were treated with 5  $\mu$ g/mL β-glucan (training stimulus) or culture medium for 24 h, cultured for 5 days, and restimulated with 100ng/mL LPS (secondary challenge) or culture medium for 6 h on day 6, followed by ATACseq profiling and analysis.

(A) Volcano plot representing differential peaks in samples from BM-macrophages treated with  $\beta$ -glucan followed by LPS stimulation from WT (n = 3) and Setdb2mKO mice (n = 3). (B, C) Top enriched JASPAR motifs of differential peaks stratified by fold-change using MonaLisa (MOtif aNAlysis with Lisa) plot.

For ATAC-seq data, differential peak accessibility was analyzed using DiffBind with DESeq2, employing default parameters. Data are represented as mean  $\pm$  SD. 'n' represents biological replicates of each strain and treatment type. p-value was calculated using two-way ANOVA with Tukey post-hoc test for multiple comparisons. \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001, ns, not significant change.

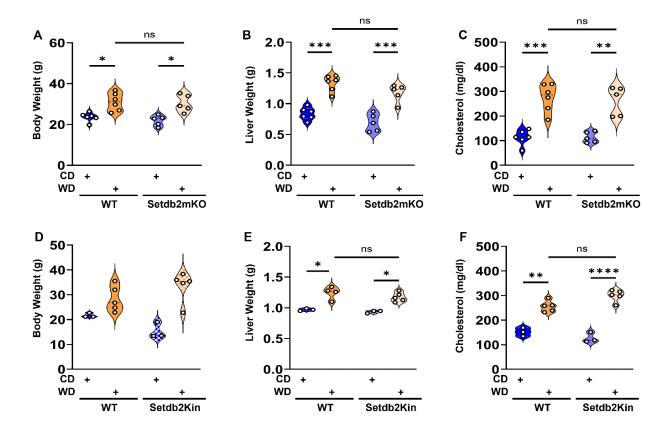
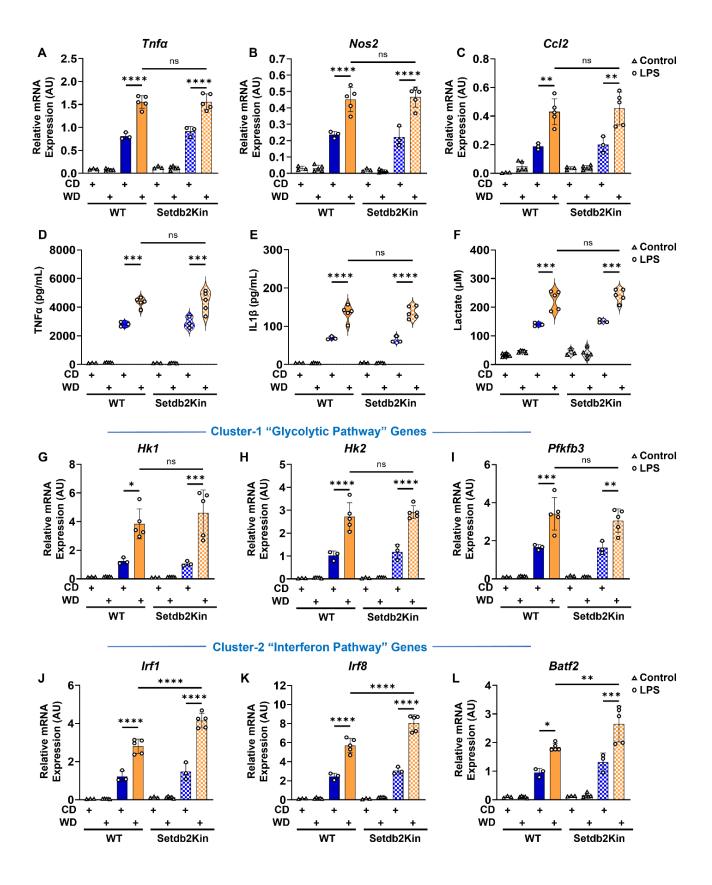


Figure S5. Whole body assessment of control vs 'Western-diet' fed WT, Setdb2mKO and Setdb2Kin mice (Related to Figure 6 and S6)

Mice were fed with western-diet or control-diet (training) for 20 weeks followed by estimation of body weight, liver weight and serum total cholesterol levels.

(A) Whole body weight (B) liver weight (C) and serum total cholesterol levels in control diet and western diet fed WT vs. Setdb2mKO mice. Control diet WT (n = 6), western diet WT (n = 6), control diet Setdb2mKO (n = 5), and western diet Setdb2mKO mice (n = 5).

(D) Whole body weight (E) liver weight (F) and serum total cholesterol levels in control diet and western diet fed WT vs. Setdb2Kin mice. Control diet WT (n=3), Control diet Setdb2Kin (n=3), Western diet WT (n=5), and Western diet Setdb2Kin mice (n=5). Data are represented as mean  $\pm$  SD. 'n' represents biological replicates of each strain and treatment type. p-value was calculated using two-way ANOVA with Tukey post-hoc test for multiple comparisons. \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001, ns, not significant change.



## Figure S6. 'Western-diet triggered innate immune memory in BM-Monocytes from Setdb2Kin mice (Related to Figure 6 and S5)

CD11b+ BM-monocytes were isolated from control-diet or western-diet fed WT or Setdb2Kin mice followed by stimulation with 100ng/mL LPS or culture medium in vitro for 6 h.

(A) mRNA expression of *Tnfα* (B) *Nos2*, and (C) *Ccl2*, (D) Pro-inflammatory cytokine levels of TNFα, and (E) IL-1β, (F) Extracellular lactate levels, (G) mRNA expression of *Hk1* (H) *Hk2*, (I) *Pfkfb3* (J) *Irf1* (K) *Irf8*, and (L) *Batf2* in control diet, western diet, control diet followed by *in vitro* LPS restimulation, and western diet followed by *in vitro* LPS restimulated BM-monocytes isolated from WT and Setdb2Kin mice.

Control diet WT (n=3), Control diet Setdb2Kin (n=3), Western diet WT (n=5), and Western diet Setdb2Kin mice (n=5), from one of the three independent experimental group. Data are represented as mean  $\pm$  SD. 'n' represents biological replicates of each strain and treatment type. p-value was calculated using two-way ANOVA with Tukey post-hoc test for multiple comparisons. \*p < 0.05, \*\*p < 0.01, and \*\*\*p < 0.001, ns, not significant change.

## Table S1

Gene         Sequence 5-3'           Tnfa Forward:         CCTCACACTCAGATCATCTTCT           Tnfa Reverse:         GCTAGGACGTGGGCTACAG           Nos2 Forward:         CCAAGCCCTCACCTACTTCC           Nos2 Reverse:         CTCTGAGGGCTGACACAGG           Cc/2 Forward:         CCCGTAAATCTGAAGCTAA           Cc/2 Forward:         ACACTGGTCACTCCTACAGAA           Setdb2 Forward:         AACAATCAAGTGCGGTTCC           Setdb2 Poward:         AACAATCAAAGTGCGGTTCC           Hk1 Forward:         AGGGCGCATTACTCCAGA           Hk2 Forward:         AGGGCGCATTACTCCAGA           Hk2 Forward:         TGATCGCTGCTTATTCACGG           Hk2 Forward:         TGATCGCTGCTTATTCACGG           Hk2 Reverse:         AACGGCTAGAAATCTCAGA           Phth3 Forward:         CCCAGAGCCGGGTACAGAA           Phth3 Forward:         ATTACCACTCGAATAGG           Inf1 Forward:         ATTACCACTACATAGACTTCG           Inf1 Forward:         ATTACCACTTCGATAGC           Inf2 Forward:         AGCGAGCTGCTGACTGGAAT           Inf3 Reverse:         CACAGCGTAACCTCGTCTTC           Batt/2 Forward:         AGCGAGCTGCTGATGGGAAAT           Inf3 Reverse:         AGCTTACTGGTGTGCTTCT           Batt/2 Forward:         ACCTTTTTACTGGTTGCCTTCG           Inf1 Forward:	Primer sequence for qPCR	
Infa Forward:   CCTCACACTCAGATCATCTTCT	Gene	
Nos2 Forward:	<i>Tnfα</i> Forward:	CCTCACACTCAGATCATCTTCT
Nos2 Reverse:         CTCTGAGGGTTGAACACAAGG           Cc/2 Forward:         CCCGTAAATCTGAAGCTAA           Cc/2 Reverse:         CACACTGGTCACTCCTACAGAA           Setdb2 Forward:         AACAAATCAAGTGCGGTTCC           Setdb2 Reverse:         TTCAAGGACAGTGGGGTTTC           Hk1 Forward:         AGGGCGCATTACTCCAGAG           Hk2 Reverse:         CCCTGTGGGTGCTTGTGTG           Hk2 Forward:         TGATCGCCTGCTTATTCACGG           Hk2 Reverse:         AACCGCTAGAAATCTCCAGA           Phk3 Forward:         CCCAGAGCCGGGTACAGAA           Phk3 Forward:         CCCAGAGCCGGGTACAGAA           Phk3 Reverse:         GGGGAGTTGGTCAGCTTCG           Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf1 Forward:         CGGGGCTGATCTGGGAAAAT           Inf3 Forward:         CGGGGCTGATCTGGGAAAAT           Inf3 Forward:         AGCGAGCTGGTGACTGAGA           Batt2 Forward:         AGCGAGCTGCTGACTGAGA           Batt2 Forward:         AGCGAGCTGCTGACTGAGA           Batt2 Reverse:         CGCTTACTGGTGTGCTTC           Batt2 Reverse:         ACATTTGCCCTGAATGTGT           Inf1 Forward:         TGCCTTGTTACTTCCCCTTGG           Inf3 Forward:         GCCAGAAGAATTTAAACAC           Inf3 Forward:         GCCGCGGAAGAAATTTAACACAC	Tnfα Reverse:	GCTACGACGTGGGCTACAG
Cc/2 Reverse:         CCGTAAATCTGAAGCTAA           Cc/2 Reverse:         CACACTGGTCATCCTACAGAA           Setab2 Forward:         AACAAATCAAGTGCGGTTCC           Setab2 Reverse:         TTCAAGGACAGTGGGGTTTC           Hk1 Forward:         AGGGCGATTACTCCAGAG           Hk1 Forward:         AGGGCGCATTACTCCAGAG           Hk2 Forward:         TGATCGCCTGCTTATTCACGG           Hk2 Reverse:         ACCGCTAGAAATCTCCAGA           Pfktb3 Forward:         CCCAGAGCCGGGTACAGAA           Pfktb3 Forward:         ACCGCTAGAACTCCGATTCG           Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf1 Forward:         CGGGGCTGATCTGGGAAAAT           Inf8 Reverse:         CACAGGGTAACCTCGATTC           Batf2 Forward:         AGCGAGCTGCTGACTGAGA           Batf2 Forward:         AGCGAGCTGCTGACTGAGA           Batf2 Forward:         AGCGAGCTGCTGACTGAGA           L32 Forward:         AGCTTTGCCCTGATCGTT           Primer sequence for ChIP-QPCR           Gene         Sequence 5'-3'           Inf1 Forward:         TGCCTTGTACTTCCCCTTCG           Inf3 Reverse:         GCCGCGAAAATCTAACAC           Inf3 Reverse:         GCCGCCGAACAATCTAACCAC           Gene         Sequence 5'-3'	Nos2 Forward:	CCAAGCCCTCACCTACTTCC
Cc/2 Reverse:         CACACTGGTCACTCCTACAGAA           Seldb2 Forward:         AACAAATCAAGTGCGGTTCC           Seldb2 Forward:         AACAAATCAAGTGCGGTTCC           Seldb2 Reverse:         TTCAAGGACAGTGGGGTTTC           Hk1 Forward:         AGGGCGCATTACTCCAGAG           Hk2 Forward:         TGATCGCCTGCTTATTGTGTG           Hk2 Reverse:         AACCGCCTAGAAATCTCCAGA           Phtb3 Forward:         CCCAGAGCCGGGTACAGAA           Phtb3 Forward:         CCCAGAGCCGGGTACAGAA           Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf2 Forward:         ACGGGGTGATCTGGGAAAAT           Inf3 Forward:         ACGGGGTACTGGGAAAAT           Inf4 Reverse:         CACAGCGTAACCTGGTTCTC           Batf2 Forward:         ACCAGCTACCTGATGAATGTGGT           L32 Forward:         ACATTTGCCCTGAATGTGGT           L32 Forward:         ACATTTGCCCTGAATGTGGT           L32 Reverse:         ATCCTCTTTGCCTGATCCTT           Primer sequence for ChIP-qPCR           Gene         Sequence 5'-3'           Inf1 Forward:         TGCCTTGTACCTTCG           Inf3 Forward:         GCAGAAAATTATTCCCCTTCG           Inf8 Forward:	Nos2 Reverse:	
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Setable Reverse:         TTCAAGGACAGTGGGGTTTC           Hk1 Forward:         AGGGCCATTACTCCAGAG           Hk1 Forward:         AGGGCCATTACTCCAGAG           Hk2 Forward:         TGATCGCCTGGTTATTCACG           Hk2 Reverse:         CCCTGGGTGTTATTCACG           Hk2 Reverse:         AACGCCTAGAAATCTCCAGA           Pfkfb3 Reverse:         GGGGAGTTGGTCAGCATCG           Iff1 Forward:         ATGCCAATCACTCGAATGCG           Iff1 Forward:         ATGCCAATCACTCGAATGCG           Iff8 Forward:         CGGGGCTGATCTGGGAAAAT           Iff8 Forward:         CGGGGCTGATCTGGGAAAAT           Iff8 Forward:         CGGGGCTGATCCGTCTTCT           Batt2 Forward:         CACAGCTAACCTCGTCTTC           Batt2 Forward:         ACCATTTGCCCTGAATGTGGT           L32 Reverse:         CGCCTTACTGGTGTGCTTCT           L32 Reverse:         ACATTTGCCCTGAATGTGGT           Iff1 Forward:         TGCCTTGTACTTCCCCTTCG           Iff1 Forward:         TGCCTTGACTTCCCCTTCG           Iff1 Forward:         TGCCTTGACTTCCCCTTCG           Iff8 Forward:         GCAGCAAAACGGATTCAAACAC           Iff8 Forward:         GCAGCCATGGTTTAACACAC           Iff8 Forward:         CAGCCATGGTTTAGGAACA           Batt2 Reverse:         GCAGCTGGAAACCTGGACA           Gapdh Ta	Ccl2 Reverse:	
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Inf1 Forward:         ATGCCAATCACTCGAATGCG           Inf1 Reverse:         TTGTATCGGCCTGTGTGAATG           Inf8 Forward:         CGGGCTGATCTGGCAAAAT           Inf8 Forward:         CGGGCTGATCTGGCAAAAT           Inf8 Reverse:         CACAGCGTAACCTCGTCTTC           Batf2 Forward:         AGCGAGCTGCTGACTGAGA           Batf2 Reverse:         CGCCTTACTGGTGTCTTCT           1.32 Forward:         ACATTTGCCCTGAATGTGGT           L.32 Reverse:         ATCCTCTTGCCTGATCCTT           Primer sequence for ChIP-qPCR           Gene         Sequence 5'-3'           Inf1 Forward:         TGCCTTGTACTTCCCCTTCG           Inf8 Forward:         GCCAGCAGAAAATCTTAAACAC           Inf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Inf8 Forward:         GCAGCCATGGTTTTAGGAGCAGG           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAAA           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAAA           Batf2 Forward:         GCAGCCTCCCGGAACCTGGAGACAAAAAAAAAAAAAAAA		
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Inf8 Forward:         CGGGGCTGATCTGGGAAAAT           Inf8 Reverse:         CACAGCGTAACCTCGTCTTC           Batf2 Forward:         AGCGAGCTGCTGACTGAGA           Batf2 Reverse:         CGCCTTACTGGTGTGCTTCT           L32 Forward:         ACATTTGCCCTGAATGTGGT           L32 Reverse:         ATCCTCTTGCCCTGATCCTT           Primer sequence for ChIP-qPCR           Gene           Sequence 5'-3'           Inf1 Forward:         TGCCTTGTACTTCCCCTTCG           Inf1 Forward:         TGCCTTGTACTTCCCCTTCG           Inf1 Forward:         GCCGCGAAGAATCTAAACAC           Inf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Inf8 Reverse:         GCTTTTATAGATGGGCCGG           Batf2 Forward:         CAGCCCATGGTTTAGGACACA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCTCGGAACCTGAGAGC           Gapdh Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC           Constant (Tnf)         GCTTGAGAGTTCGATCTATCCC           Constant (Tnf)         GCTTGAGAGGTTCCAGCACTTCC           Constant (Tnf) E1         CTGTAAATAGGACCTTGACACACTC		
Inf8 Reverse:		
Batt2 Forward:         AGCGAGCTGCTGACTGAGA           Batt2 Reverse:         CGCCTTACTGGTGTGCTTCT           L32 Forward:         ACATTTGCCCTGAATGTGGT           L32 Forward:         ACATTTGCCCTGAATGTGGT           L32 Reverse:         ATCCTCTTGCCCTGATCCTT           Primer sequence for ChIP-qPCR           Gene         Sequence 5'-3'           Inf1 Forward:         TGCCTTGACTTCCCCTTCG           Inf1 Reverse:         GCCGCGAAGAAATCTAAACAC           Inf3 Reverse:         GCTTTTATAGATGGGGCGGG           Batf2 Forward:         GCAGCCATGGTTTTAGGAGAAA           Batf2 Reverse:         GCTTTTATAGATGGGGCGGG           Primer sequence for 3C-qPCR           Gapdh Tagman probe         TATCCCTCTCGGAACCTGAGAC           Gapdh Tagman probe         TATCCCTCCTCGGAACCTGAGAC           Gapdh Tagman probe         ATTCCCAGGGCTGAGTTCATTCCC           Constant (Tnf)         GCTTGAGAGTTGGGAAGT           Test (Tnf) N1         CGGAGCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGACAC           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           CC/2 Tagman probe         CTGTGAAGGGTTCCAACCACTCC		
Batt2 Reverse:		
ACATTTGCCCTGAATGTGGT		
Primer sequence for ChiP-qPCR		
Primer sequence for ChIP-qPCR		
Gene         Sequence 5'-3'           Irf1 Forward:         TGCCTTGTACTTCCCCTTCG           Irf1 Reverse:         GCCGCGAAGAATCTAAACAC           Irf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Irf8 Forward:         GCAAAAGTGGTTTTAGGAGGAAA           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCCTCTGGAACCTGAGAGC           Gapdh Forward:         GCAGCCTGGAAACCTGATAA           Gapdh Reverse:         GGGCTACAGTGGGTGAAAC           Tnf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC            GCTTGAGAGTTGGGAAGTGT           Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           CCI2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (CcI2)         AAACTCACCTAGTGCTTACTTG           Test (CcI2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (CcI2) N2         AAGACCACCTACTCTCAGTGCCTAA           Test (C	L32 Reverse:	ATCCTCTTGCCCTGATCCTT
Gene         Sequence 5'-3'           Irf1 Forward:         TGCCTTGTACTTCCCCTTCG           Irf1 Reverse:         GCCGCGAAGAATCTAAACAC           Irf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Irf8 Forward:         GCAAAAGTGGTTTTAGGAGGAAA           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCCTCTGGAACCTGAGAGC           Gapdh Forward:         GCAGCCTGGAAACCTGATAA           Gapdh Reverse:         GGGCTACAGTGGGTGAAAC           Tnf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC            GCTTGAGAGTTGGGAAGTGT           Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           CCI2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (CcI2)         AAACTCACCTAGTGCTTACTTG           Test (CcI2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (CcI2) N2         AAGACCACCTACTCTCAGTGCCTAA           Test (C	Bulanca	and the Okin and O
Inf1 Forward:         TGCCTTGTACTTCCCCTTCG           Inf1 Reverse:         GCCGCGAAGAAATCTAAACAC           Inf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Inf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Inf8 Reverse:         GCTTTTATAGATGGGCGGG           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCCTCGGAACCTGAGAGC           Gapdh Forward:         GCAGCCTGGGAAACCTGATAA           Gapdh Reverse:         GGGCTACAGTGGGTGAAAG           Tnf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC           Constant (Tnf)         GCTTGAGAGTTGGGAAGTT           Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) E2         GGGTTGCTTCTTTGGGCA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           Cc/2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Cc/2)         AAACTCACCTAGTGCTTACTCTG           Test (Cc/2) N1         CACTTTTTTATCAAGAGTCTGCTG           Test (Cc/2) N2         AAGCCACCTACTAGTAGTACAGTG           Hk2 Taqman probe         CACGGA		ence for ChiP-qPCR
Inf1 Reverse:         GCCGCGAAGAAATCTAAACAC           Inf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Inf8 Reverse:         GCTTTTATAGATGGGGCGGG           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCCTCGGAACCTGAGAGC           Gapdh Forward:         GCAGCCTGGAAACCTGATAA           Gapdh Reverse:         GGGCTACAGTGGGTGAAAG           Inf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC           Constant (Inf)         GCTTGAGAGTTGGGAAGTT           Test (Inf) N1         CGGAGCCCTCCAGACAT           Test (Inf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Inf) E2         GGGTTGTCTTTTTGGGCA           Test (Inf) N2         GAGGCCATAAAGGAGGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTTATCAAGAGTCTGCTG           Test (Ccl2) N2         AAGCCACCTACTAGTGCTAA           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCAATCAGGGCCTAAA           Test (Hk2) N1         TGCTGACGAT		
Inf8 Forward:         GCAAAAGTGATTTCTCGGAAAGA           Inf8 Reverse:         GCTTTTATAGATGGGCCGG           Batf2 Forward:         CAGCCCATGGTTTTAGAAAA           Batf2 Forward:         CAGCCCATGGTTTTAGAAAAAAAAAAAAAAAAAAAAAAA		
Inf8 Reverse:         GCTTTTATAGATGGGGCGGG           Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCCTCGGAACCTGAGAGC           Gapdh Forward:         GCAGCCTGGAAACCTGATAA           Gapdh Reverse:         GGGCTACAGTGGGTGAAAG           Inf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC           Constant (Inf)         GCTTGAGAGTTGGGAAGTT           Test (Inf) N1         CGGAGCCCTCCAGACAT           Test (Inf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Inf) E2         GGGTTGTCTTTCTTGGCA           Test (Inf) N2         GAGGCCATAAAGGAGGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing		
Batf2 Forward:         CAGCCCATGGTTTTAGGAGAAA           Batf2 Reverse:         AGAGGTTCAGTCTGGTCCTG           Primer sequence for 3C-qPCR           Gene         Sequence 5'-3'           Gapdh Taqman probe         TATCCCTCCTCGGAACCTGAGAGC           Gapdh Forward:         GCAGCCTGGAAACCTGATAA           Gapdh Reverse:         GGGCTACAGTGGGTGAAAG           Tnf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC           Constant (Tnf)         GCTTGAGAGTTGGGAAGTGT           Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) E2         GGGTTGTCTTTCTTGGGCA           Test (Tnf) N2         GAGGCCATAAAGGAGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sange		
Primer sequence for 3C-qPCR  Gene Sequence 5'-3'  Gapdh Taqman probe TATCCCTCCTGGAACCTGAGAGC  Gapdh Forward: GCAGCCTGGAAACCTGATAA  Gapdh Reverse: GGGCTACAGTGGGTGAAAG  Tnf Taqman probe ATTCCCAGGGCTGAGTTCATTCCC  Constant (Tnf) GCTTGAGAGTTGGGAAGTT  Test (Tnf) N1 CGGAGCCTCCAGACAT  Test (Tnf) E1 CTGTAGCTAAATAGGACCTTGAACA  Test (Tnf) E2 GGGTTGTTGTTCTTGGGCA  Test (Tnf) N2 GAGGCCATAAAGGAGGATT  Ccl2 Taqman probe CTGTGAAGGGTTCCACCACCCC  Constant (Ccl2) AAACTCACCTAGTGCTTACTCTG  Test (Ccl2) N1 CACTCTTTTTATCAAGAGTCTGCTG  Test (Ccl2) N2 AAGACCACCTCCTGTGCTAA  Test (Ccl2) N2 AAGACCACCTCTCTGTGTCTAGTGCTG  Test (Ccl2) N2 AAGACCACCTAGTGCTTACTCTG  Test (Ccl2) N2 AAGACCACCTAGTGCTAA  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCACCACCACCCTCCCCACCTCTCTCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTACCCCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTACCCCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTACCCCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACACCCTACCCCACCCCCACCTCT  Test (Hk2) N2 GAGTTCTACCTTCCTT  Tes		
Primer sequence for 3C-qPCR  Gene Sequence 5'-3'  Gapdh Taqman probe TATCCCTCCTGGAACCTGAGAGC  Gapdh Forward: GCAGCCTGGAAACCTGATAA  Gapdh Reverse: GGGCTACAGTGGGTGAAAG  Tnf Taqman probe ATTCCCAGGGCTGAGTTCATTCCC  Constant (Tnf) GCTTGAGAGTTGGGAAGTT  Test (Tnf) N1 CGGAGCCTCCAGACAT  Test (Tnf) E1 CTGTAGCTAAATAGGACCTTGAACA  Test (Tnf) E2 GGGTTGTTCTTGGGCA  Test (Tnf) N2 GAGGCCATAAAGGAGGGATT   Ccl2 Taqman probe CTGTGAAGGGTTCCACCACTCC  Constant (Ccl2) AAACTCACCTAGTGCTTACTCTG  Test (Ccl2) N1 CACTCTTTTTATCAAGAGTCTGCTG  Test (Ccl2) E1 GCTGCCTCCTGTGCTAA  Test (Ccl2) N2 AAGACCACCTCTCTGTCTG  Constant (Hk2) AGAGCACACTCC  Constant (Hk2) AGAGCACTCCTCACCACTCT  Constant (Hk2) AGCCAATCAGCGCCTAGAG  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCACTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCACCACCACCACCCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCACCCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACACCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACACCACCCTACCCCACCTCT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCACCACCCTACCCCACCTACCCCACCTACCCCACCCTACCACC		
GeneSequence 5'-3'Gapdh Taqman probeTATCCCTCCTCGGAACCTGAGAGCGapdh Forward:GCAGCCTGGAAACCTGATAAGapdh Reverse:GGGCTACAGTGGGTGAAAGTnf Taqman probeATTCCCAGGGCTGAGTTCATTCCCConstant (Tnf)GCTTGAGAGTTGGGAAGTGTTest (Tnf) N1CGGAGCCCTCCAGACATTest (Tnf) E1CTGTAGCTAAATAGGACCTTGAACATest (Tnf) E2GGGTTGTCTGTTCTTGGGCATest (Tnf) N2GAGGCCATAAAGGAGGGATTCcl2 Taqman probeCTGTGAAGGGTTCCAACCACTCCConstant (Ccl2)AAACTCACCTAGTGCTTACTCTGTest (Ccl2) N1CACTCTTTTATCAAGAGTCTGCTGTest (Ccl2) N2AAGACCACCTATCTAGTTACAAGTGHk2 Taqman probeCACGGAACACACGTCCCAACTCTConstant (Hk2)AGCCAATCAGCGCCTAGAGTest (Hk2) N1TGCTGACGATGCGCTAATest (Hk2) E1TCAGGTGGGAAATTCCTTCCTTTest (Hk2) E1TCAGGTGGGAAATTCCTTCCTTTest (Hk2) N2GAGTTCTAGCCTAGAGCACAPrimer sequence for sanger sequencingGeneSequence 5'-3'	Ball2 Reverse.	AGAGGITCAGTCTGGTCCTG
Gapdh Taqman probe       TATCCCTCCTCGGAACCTGAGAGC         Gapdh Forward:       GCAGCCTGGAAACCTGATAA         Gapdh Reverse:       GGGCTACAGTGGGTGAAAG         Tnf Taqman probe         ATTCCCAGGGCTGAGTTCATTCCC         Constant (Tnf)       GCTTGAGAGTTGGGAAGTGT         Test (Tnf) N1       CGGAGCCCTCCAGACAT         Test (Tnf) E1       CTGTAGCTAAATAGGACCTTGAACA         Test (Tnf) E2       GGGTTGTCTGTTCTTGGGCA         Test (Tnf) N2       GAGGCCATAAAGGAGGGATT         Ccl2 Taqman probe       CTGTGAAGGGTTCCAACCACTCC         Constant (Ccl2)       AAACTCACCTAGTGCTTACTCTG         Test (Ccl2) N1       CACTCTTTTTATCAAGAGTCTGCTG         Test (Ccl2) N2       AAGACCACCTATCTAGTTACAAGTG         Hk2 Taqman probe       CACGGAACACACGTCCCAACTCT         Constant (Hk2)       AGCCAATCAGCGCCTAGAG         Test (Hk2) N1       TGCTGACGATGGCGCTAA         Test (Hk2) E1       TCAGGTGGGAAATTCCTTCCTT         Test (Hk2) N2       GAGTTCTAGCCTAGAGCAGCA         Primer sequence for sanger sequencing         Gene       Sequence 5'-3'	Primer sequ	ence for 3C-qPCR
Gapdh Forward: Gapdh Reverse: GGGCTACAGTGGGTGAAAG  Tnf Taqman probe ATTCCCAGGGCTGAGTTCATTCCC Constant (Tnf) GCTTGAGAGTTGGGAAGTGT Test (Tnf) N1 CGGAGCCTCCAGACAT Test (Tnf) E1 CTGTAGCTAAATAGGACCTTGAACA Test (Tnf) E2 GGGTTGTCTTCTTGGGCA Test (Tnf) N2 GAGGCCATAAAGGAGGGATT  Ccl2 Taqman probe CTGTGAAGGGTTCCAACCACTCC Constant (Ccl2) AAACTCACCTAGTGCTTACTCTG Test (Ccl2) N1 CACTCTTTTATCAAGAGTCTGCTG Test (Ccl2) N2 AAGACCACCTCTGTGCTAA Test (Ccl2) N2 AAGACCACCTATCTAGTTACAGTG  Hk2 Taqman probe CACGGAACACACGTCCCAACTCT Constant (Hk2) AGCCAATCAGCGCCTAGAG Test (Hk2) N1 TGCTGACGATGCGCTAA Test (Hk2) E1 TCAGGTGGGAAATTCCTTCTT Test (Hk2) N2  Primer sequence for sanger sequencing Gene Sequence 5'-3'		
Gapdh Reverse:  GGGCTACAGTGGGTGAAAG  Tnf Taqman probe ATTCCCAGGGCTGAGTTCATTCCC Constant (Tnf) GCTTGAGAGTTGGGAAGTGT Test (Tnf) N1 CGGAGCCCTCCAGACAT Test (Tnf) E1 CTGTAGCTAAATAGGACCTTGAACA Test (Tnf) E2 GGGTTGTCTTCTTGGGCA Test (Tnf) N2 GAGGCCATAAAGGAGGGATT  Ccl2 Taqman probe CTGTGAAGGGTTCCAACCACTCC Constant (Ccl2) AAACTCACCTAGTGCTTACTCTG Test (Ccl2) N1 CACTCTTTTATCAAGAGTCTGCTG Test (Ccl2) N2 AAGACCACCTAGTGCTAA Test (Ccl2) N2 AAGACCACCTATCTAGTTACAGTG  Hk2 Taqman probe CACGGAACACACGTCCCAACTCT Constant (Hk2) AGCCAATCAGCGCCTAGAG Test (Hk2) N1 TGCTGACGATGGCGCTAA Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT Test (Hk2) N2 GAGTTCTAGCCTAGAGCACACGCACACACACACACACACA		
Tnf Taqman probe  ATTCCCAGGGCTGAGTTCATTCCC Constant (Tnf) GCTTGAGAGTTGGGAAGTGT Test (Tnf) N1 CGGAGCCCTCCAGACAT Test (Tnf) E1 CTGTAGCTAAATAGGACCTTGAACA Test (Tnf) E2 GGGTTGTCTTTCTTGGGCA Test (Tnf) N2 GAGGCCATAAAGGAGGGATT  Ccl2 Taqman probe CTGTGAAGGGTTCCAACCACTCC Constant (Ccl2) AAACTCACCTAGTGCTTACTCTG Test (Ccl2) N1 CACTCTTTTATCAAGAGTCTGCTG Test (Ccl2) N2 AAGACCACCTCTGTGCTAA Test (Ccl2) N2 AAGACCACCTATCTAGTTACAAGTG  Hk2 Taqman probe CACGGAACACACGTCCCAACTCT Constant (Hk2) AGCCAATCAGCGCCTAGAG Test (Hk2) N1 TGCTGACGATGGCGCTAA Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT Test (Hk2) N2 GAGTTCTAGCCTAGAGCACACGCACACACACACACACACA		
Constant (Tnf)         GCTTGAGAGTTGGGAAGTGT           Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) E2         GGGTTGTCTGTTCTTGGGCA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'	Gapdh Reverse:	GGGCTACAGTGGGTGAAAG
Constant (Tnf)         GCTTGAGAGTTGGGAAGTGT           Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) E2         GGGTTGTCTGTTCTTGGGCA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Test (Tnf) N1         CGGAGCCCTCCAGACAT           Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) E2         GGGTTGTCTGTTCTTGGGCA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Test (Tnf) E1         CTGTAGCTAAATAGGACCTTGAACA           Test (Tnf) E2         GGGTTGTCTGTTCTTGGGCA           Test (Tnf) N2         GAGGCCATAAAGGAGGGATT           Ccl2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Test (Tnf) E2 GGGTTGTCTGTTCTTGGGCA Test (Tnf) N2 GAGGCCATAAAGGAGGGATT  Ccl2 Taqman probe CTGTGAAGGGTTCCAACCACTCC Constant (Ccl2) AAACTCACCTAGTGCTTACTCTG Test (Ccl2) N1 CACTCTTTTTATCAAGAGTCTGCTG Test (Ccl2) E1 GCTGCCTCCTGTGCTAA Test (Ccl2) N2 AAGACCACCTATCTAGTTACAAGTG  Hk2 Taqman probe CACGGAACACACGTCCCAACTCT Constant (Hk2) AGCCAATCAGCGCCTAGAG Test (Hk2) N1 TGCTGACGATGGCGCTAA Test (Hk2) E1 TCAGGTGGAAATTCCTTCCTT Test (Hk2) N2 GAGTTCTAGCCTAGAGCACACCACCACCACCACCACCACCACCACCACCACC		
Test (Tnf) N2  GAGGCCATAAAGGAGGATT  Cc/2 Taqman probe  CTGTGAAGGGTTCCAACCACTCC  Constant (Cc/2)  AAACTCACCTAGTGCTTACTCTG  Test (Cc/2) N1  CACTCTTTTTATCAAGAGTCTGCTG  Test (Cc/2) E1  GCTGCCTCCTGTGCTAA  Test (Cc/2) N2  AAGACCACCTATCTAGTTACAAGTG  Hk2 Taqman probe  CACGGAACACACGTCCCAACTCT  Constant (Hk2)  AGCCAATCAGCGCCTAGAG  Test (Hk2) N1  TGCTGACGATGGCGCTAA  Test (Hk2) E1  TCAGGTGGGAAATTCCTTCCTT  Test (Hk2) N2  GAGTTCTAGCCTAGAGCACACCACCACCACCACCACCACCACCACCACCACC		
Cc/2 Taqman probe         CTGTGAAGGGTTCCAACCACTCC           Constant (Cc/2)         AAACTCACCTAGTGCTTACTCTG           Test (Cc/2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Cc/2) E1         GCTGCCTCCTGTGCTAA           Test (Cc/2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'	Test (Tnf) N2	GAGGCCATAAAGGAGGGATT
Constant (Ccl2)         AAACTCACCTAGTGCTTACTCTG           Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Test (Ccl2) N1         CACTCTTTTTATCAAGAGTCTGCTG           Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Test (Ccl2) E1         GCTGCCTCCTGTGCTAA           Test (Ccl2) N2         AAGACCACCTATCTAGTTACAAGTG           Hk2 Taqman probe         CACGGAACACACGTCCCAACTCT           Constant (Hk2)         AGCCAATCAGCGCCTAGAG           Test (Hk2) N1         TGCTGACGATGGCGCTAA           Test (Hk2) E1         TCAGGTGGGAAATTCCTTCCTT           Test (Hk2) N2         GAGTTCTAGCCTAGAGCAGCA           Primer sequence for sanger sequencing           Gene         Sequence 5'-3'		
Test (Ccl2) N2  AAGACCACCTATCTAGTTACAAGTG  Hk2 Taqman probe CACGGAACACACGTCCCAACTCT Constant (Hk2) AGCCAATCAGCGCCTAGAG  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT Test (Hk2) N2  GAGTTCTAGCCTAGAGCACA  Primer sequence for sanger sequencing Gene Sequence 5'-3'		
Hk2 Taqman probe CACGGAACACGTCCCAACTCT Constant (Hk2) AGCCAATCAGCGCCTAGAG Test (Hk2) N1 TGCTGACGATGGCGCTAA Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT Test (Hk2) N2 GAGTTCTAGCCTAGAGCAGCA  Primer sequence for sanger sequencing Gene Sequence 5'-3'		
Constant (Hk2) AGCCAATCAGCGCCTAGAG  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCAGCA  Primer sequence for sanger sequencing  Gene Sequence 5'-3'	Test (Ccl2) N2	AAGACCACCTATCTAGTTACAAGTG
Constant (Hk2) AGCCAATCAGCGCCTAGAG  Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCAGCA  Primer sequence for sanger sequencing  Gene Sequence 5'-3'	Hk2 Tagman probe	CACGGAACACACGTCCCAACTCT
Test (Hk2) N1 TGCTGACGATGGCGCTAA  Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT  Test (Hk2) N2 GAGTTCTAGCCTAGAGCAGCA  Primer sequence for sanger sequencing  Gene Sequence 5'-3'		
Test (Hk2) E1 TCAGGTGGGAAATTCCTTCCTT Test (Hk2) N2 GAGTTCTAGCCTAGAGCAGCA  Primer sequence for sanger sequencing Gene Sequence 5'-3'		
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	Setdb2kin Forward:	TGCCAAGTGAGAGGACAAAG
Setdb2kin Reverse: ACATACCTGTTGGTGAAGAAGG	Setdb2kin Reverse:	ACATACCTGTTGGTGAAGAAGG