

**Supplementary information Table S1** List of sequences**1.1 Mouse gene qPCR primer list**

<b>Name</b>	<b>Sequence</b>
m- <i>Carinh</i> -1F	GACTGTCACGACGGGTGATG
m- <i>Carinh</i> -1R	GCTTCCAGGCAAGTCTTCAG
m- <i>Carinh</i> -2F	CACGACGGTCGACTGTCAC
m- <i>Carinh</i> -2R	CAGCCTCCTGACATCACAAG
m- <i>Carinh</i> -3F	AGGAGGCTGGACAGCCAAG
m- <i>Carinh</i> -3R	TGGCGGCCTCAGCATCTTC
m- <i>Carinh</i> -4F	AGCGCCTCCAACGAGAACAG
m- <i>Carinh</i> -4R	CTGGCGGCCTCAGCATCTTC
m- <i>Carinh</i> -5F	CCCTAGCAAGGACAGCTAAG
m- <i>Carinh</i> -5R	GGTTGAGCAGTCTCTGGATG
m- <i>Carinh</i> -6F	CCAGGGAGGGTTCATTTGAG
m- <i>Carinh</i> -6R	CGGCAACAGGAACTGACAC
m- <i>Irf1</i> -F	ATGCCAATCACTCGAATGCG
m- <i>Irf1</i> -R	CCTGCTTTGTATCGGCCTGT
m- <i>Gbp2</i> -F	GGAAAACCCGTCACCTTCTGAT
m- <i>Gbp2</i> -R	CAGTCGCGGCTCATTAAAGC
m- <i>Gbp3</i> -F	TCGGCCCATCACAGAAGATGA
m- <i>Gbp3</i> -R	GGAAATTCGGTTCAGTTGGTT
m- <i>Gbp4</i> -F	GAGCAGCTCATCAAAGACCA
m- <i>Gbp4</i> -R	TTCCTCACGGAAAGTCTTTTG
m- <i>Gbp5</i> -F	CCAGAGTAAAGCGGAACAAG
m- <i>Gbp5</i> -R	GTGCAACTCTTGCCCTTCTCC
m- <i>Gbp6</i> -F	TCATCTTGGTGGTTGGAACA
m- <i>Gbp6</i> -R	TCATGAGAAACAATGTCACAAGG
m- <i>Gbp7</i> -F	AAACAGCATGAGCACCATCAA
m- <i>Gbp7</i> -R	GAAGTGGACTTTGCCCTGAT
m- <i>Gbp8</i> -F	TGAGGGTATTTTCATCACAGCA
m- <i>Gbp8</i> -R	TTGCCAATCTAACTCAGGGATG
m- <i>Gbp9</i> -F	ACCGGGAATAGACTGGGTACT
m- <i>Gbp9</i> -R	CCGGGCCACACTTGTGATA
m- <i>Gbp10</i> -F	CTGTGCAGTCTCAAACCAAG
m- <i>Gbp10</i> -R	CACAAGTCGTTCTTAGG
m- <i>Gbp11</i> -F	AGCAACTGAGAAGGAAGCTGA
m- <i>Gbp11</i> -R	CAAGGAGAGCCTTTTGTTCCCT
m- <i>Slc22a5</i> -F	ACTGTGCCAGGGGTGCTAT
m- <i>Slc22a5</i> -R	TCCGTGTTCCGGATCAGATCATAA
m- <i>Irf3</i> -F	GAGAGCCGAACGAGGTTTCAG
m- <i>Irf3</i> -R	CTTCCAGGTTGACACGTCCG
m- <i>Irf8</i> -F	CGGGGCTGATCTGGGAAAAT
m- <i>Irf8</i> -R	CACAGCGTAACCTCGTCTTC
m- <i>Hprt</i> -F	GATTAGCGATGATGAACCAGGTT
m- <i>Hprt</i> -R	CCTCCCATCTCCTTCATGACA
m- <i>Reg3γ</i> -F	CAGACAAGATGCTTCCCCGT
m- <i>Reg3γ</i> -R	GCAACTTCACCTTGACACCTG
m- <i>Il18bp</i> -F	GAGGGCCACACAAGTCGC
m- <i>Il18bp</i> -R	GCTGGGCCAGAATGATGTGA
<i>Gfp</i> -F	TACGGCGTGCAGTGCTTCAG
<i>Gfp</i> -R	TCAGCTCGATGCGGTTCCACC

**Supplementary information Table S1** List of sequences**1.2 Human gene qPCR primer list**

<b>Name</b>	<b>Sequence</b>
h- <i>SLC22A5</i> -F	CACCATTGTGACCGAGCAAGA
h- <i>SLC22A5</i> -R	TTCCAGTCGTCCTCACACACC
h- <i>CARINH</i> -F3	GGGTGCCAGAGTTTGTAGCC
h- <i>CARINH</i> -R3	AATGCTGCAAGCAGGAGTCTA
h- <i>IL18BP</i> -F	CAGCTCTGGGCTGGGCTGAG
h- <i>IL18BP</i> -R	GGGGTGTGTTGCGCATCCAC
h- <i>IRF1</i> -F2	CTGTGCGAGTGTACCGGATG
h- <i>IRF1</i> -R2	ATCCCCACATGACTTCCTCTT

**Supplementary information Table S1** List of sequences**1.3 ChIP-qPCR primer list**

<b>Name</b>	<b>Sequence</b>
<i>U1</i> -F	ATACTTACCTGGCAGGGGAG
<i>U1</i> -R	CAGGGGAAAGCGCGAACGCA
<i>Irf1</i> -H3K27ac-A-F	ACATTCAAACCTGGGTGCTGT
<i>Irf1</i> -H3K27ac-A-R	CTCAGGCTTCTTCATTTCGCT
<i>Irf1</i> -H3K27ac-B-F	AGGAATAAGGGTTCGCCTTG
<i>Irf1</i> -H3K27ac-B-R	ACTTGCTAGTCTGAAGTGATG
<i>Irf1</i> -H3K27ac-C-F	CGTGGAGAAGGGGAAGACCA
<i>Irf1</i> -H3K27ac-C-R	CCTTGCTCCACTCCACTC
<i>Irf1</i> -H3K27ac-D-F	CGAAATGATGAGGCCGAGT
<i>Irf1</i> -H3K27ac-D-R	CTAAACACTTAGCGGGATTCC
<i>Irf1</i> -H3K27ac-E-F	ACGTGCTTTTCACAGTCTAAGCC
<i>Irf1</i> -H3K27ac-E-R	CAGGAGCGATTTCGCAGAGG
<i>Irf1</i> -H3K27ac-F-F	GACTGAAAAGAATGGGCAGGTGG
<i>Irf1</i> -H3K27ac-F-R	CCTCACACCCAGGTCATTACC
<i>Slc22a5</i> -H3K27ac-F1	GCACTGCCAGGGAGGAAGAACAC
<i>Slc22a5</i> -H3K27ac-R1	AAGGCCATGGAACAGATGCTGCC
<i>Slc22a5</i> -H3K27ac-F2	CTCCGCAGCCACAAAAGATGGC
<i>Slc22a5</i> -H3K27ac-R2	AGGGGGCGGAATTGGGTCTTTTC
<i>Irf3</i> -H3K27ac-F1	GCTTGTGCTGAAGCTGAACCGT
<i>Irf3</i> -H3K27ac-R1	GAAGGGATCACTTGCCCAGAC
<i>Irf3</i> -H3K27ac-F2	AGGGCGCCTAACTCCAAGGA
<i>Irf3</i> -H3K27ac-R2	GAAATCGGACCAGCGTTTGCC
<i>Irf7</i> -H3K27ac-F1	TGGGTGCTGGATTTGAACCCCTG
<i>Irf7</i> -H3K27ac-R1	CTGGCTGTCTGGAACCTCACTC
<i>Irf7</i> -H3K27ac-F2	GAACAGGAGGGAAGGATTTGCA
<i>Irf7</i> -H3K27ac-R2	GACAAGAATTTCCCCTGTGGCA
<i>Irf8</i> -H3K27ac-F1	TCTAGAACACTTCGGGGCCT
<i>Irf8</i> -H3K27ac-R1	TGTACATTTCCACACGCCA
<i>Irf8</i> -H3K27ac-F2	CGCCCCCGGAGTAAAGAGAGA
<i>Irf8</i> -H3K27ac-R2	ACCCCATCGCGTCCTACCTG

**Supplementary information Table S1** List of sequences**1.4 shRNA sequence list**

<b>Name</b>	<b>Sequence</b>
<i>mCarinh</i> -F1	CCGGGCTATCCTCAGGGTGTATAGCGGATCCGCTATACACCCTGAGGATAGCtttttg
<i>mCarinh</i> -R1	aattcaaaaaGCTATCCTCAGGGTGTATAGCGGATCCGCTATACACCCTGAGGATAGC
<i>mCarinh</i> -F2	CCGGGCTCTAGGAAACAGCCTATGGGGATCCCCATAGGCTGTTTCCTAGAGCtttttg
<i>mCarinh</i> -R2	aattcaaaaaGCTCTAGGAAACAGCCTATGGGGATCCCCATAGGCTGTTTCCTAGAGC
<i>mCarinh</i> -F3	CCGGGGAGTGTCAGTTTCCTGTTGCGGATCCGCAACAGGAAACTGACACTCCtttttg
<i>mCarinh</i> -R3	aattcaaaaaGGAGTGTCAGTTTCCTGTTGCGGATCCGCAACAGGAAACTGACACTCC
<i>hCARINH</i> -F1	CCGGGCCAGTACCAGGAAAGGATAGGGATCCCTATCCTTTTCCTGGTACTGGCtttttg
<i>hCARINH</i> -R1	aattcaaaaaGCCAGTACCAGGAAAGGATAGGGATCCCTATCCTTTTCCTGGTACTGGC
<i>hCARINH</i> -F2	CCGGGCAGAGCTCCCAGATATATGCGGATCCGCATATATCTGGGAGCTCTGCtttttg
<i>hCARINH</i> -R2	aattcaaaaaGCAGAGCTCCCAGATATATGCGGATCCGCATATATCTGGGAGCTCTGC
<i>hCARINH</i> -F3	CCGGGGTATATCGTAGGTGGCTTTAGGATCCTAAAGCCACCTACGATATAACCtttttg
<i>hCARINH</i> -R3	aattcaaaaaGGTATATCGTAGGTGGCTTTAGGATCCTAAAGCCACCTACGATATAACC

**Supplementary information Table S1** List of sequences**1.5 siRNA sequence list**

<b>Name</b>	<b>Sense</b>	<b>Anti-sense</b>
<i>IRF1</i> -homo-617	GCCGAGAUGC UAAGAGCAATT	UUGCUCUUAGCAUCUCGGCTT
<i>IRF1</i> -homo-722	GCUACACAGU UCCAGGCUATT	UAGCCUGGAACUGUGUAGCTT
<i>IRF1</i> -homo-1031	CCUCUGUCUA UGGGAGACUUTT	AAGUCUCCAUAGACAGAGGTT
<i>Gm12216</i> -mus-309	CCAACAUCGC UUCCACUUUTT	AAAGUGGAAGCGAUGUUGGTT
<i>Gm12216</i> -mus-662	GCCUAUCCCAG GCUUUGAUTT	AUCAAGCCUGGGAUAGGCTT
<i>Gm12216</i> -mus-996	GCUAUCCUCAG GGUGUAUATT	GCUAUCCUCAGGGUGUAUATT
<i>C5orf56</i> -homo-507	GCCAGUACCAG GAAAGGAUTT	AUCCUUUCCUGGUACUGGCTT
<i>C5orf56</i> -homo-598	GCUCCAGAUUA UUGCACATT	UGUGCAUUAUCUGGGAGCTT
<i>C5orf56</i> -homo-355	GCUGGAGAGU UGAAUGCCATT	UGGCAUUAACUCUCCAGCTT