Supplementary file 1a: List of guides (stated in 5’-3’ orientation) for cloning into lentiCRISPRv2, related to Methods

|  |  |  |
| --- | --- | --- |
| Gene | Forward primer | Reverse primer |
| *Phf8* | CACCGTTACCACTGCCCTAACTGTG | AAACCACAGTTAGGGCAGTGGTAA |
| *Csrp1* | CACCGCGCTGTCCCCGCTGTAGCC | AAACGGCTACAGCGGGGACAGCGC |
| *Hand1* | CACCCCCGGCGAGAAGAGGATTAA | AAACTTAATCCTCTTCTCGCCGGG |
| *Fbxw7* | CACCGTGTGGCAACCGCATAGTTAG | AAACCTAACTATGCGGTTGCCACAC |
| *Atf3* | CACCGTCCTCAAATACCAGTGACCC | AAACGGGTCACTGGTATTTGAGAC |
| *Stat3* | CACCGACAGGCATCGGGCCAGATC | AAACGATCGTGGCCCGATGCCTGTC |
| *Klf5* | CACCGTCTTGATCTGTGTTACGCA | AAACTGCGTAACACAGATCAAGAC |
| *Irf7* | CACCGCATTTCGGTCGTAGGGATC | AAACGATCCCTACGACCGAAATGC |
| *Cebpb* | CACCGTCCGCGCGCTTGCAGTCCG | AAACCAGGCGCGCGAACGTCAGGC |

Supplementary file 1b: List of primer (stated in 5’-3’ orientation) for amplifying GeCKO library and NGS, related to Methods

|  |  |
| --- | --- |
| Oligo | Sequence |
| fw-1 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTTAAGTAGAGGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-2 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTATCATGCTTAGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-3 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTGATGCACATCTGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-4 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTCGATTGCTCGACGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-5 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTTCGATAGCAATTCGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-6 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTATCGATAGTTGCTTGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-7 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTGATCGATCCAGTTAGGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-8 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTCGATCGATTTGAGCCTGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-9 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTACGATCGATACACGATCGCTTTATATATCTTGTGGAAAGGACGAAACACC |
| fw-10 | AATGATACGGCGACCACCGAGATCTACACTCTTTCCCTACACGACGCTCTTCCGATCTTACGATCGATGGTCCAGAGCTTTATATATCTTGTGGAAAGGACGAAACAC |
| KO-rv-4 | CAAGCAGAAGACGGCATACGAGATATTCTAGGGTGACTGGAGTTCAGACGTGTGCTCTTCCGATCTCCGACTCGGTGCCACTTTTTCAA |

Supplementary file 1c: List of oligonucleotides (stated in 5’-3’ orientation, fw: forward, rv: reverse) for cloning steps to construct TRE\_3xFlag-C/EBPδ vector, related to Methods

|  |  |
| --- | --- |
| Oligo | Sequence |
| Flag fw | CTAGACTGCCACCATGGACTACAAAGACCATGACGGTGATTATAAAGATCATGACATCGATTACAAGGATGACGATGACAAGAG |
| Flag rv | AATTCTCTTGTCATCGTCATCCTTGTAATCGATGTCATGATCTTTATAATCACCGTCATGGTCTTTGTAGTCCATGGTGGCAGT |
| *Nhe*I fw | AGAATTGGCTAGCGCCGCCACCATGGACTACAAAGACCATG |
| *Age*I rv | TGGTGGACCGGTTCTTACCGGCAGTCGGCG |

Supplementary file 1d: List of oligonucleotides (stated in 5’-3’ orientation, fw: forward, rv: reverse) for cloning steps to constructS*100a8* and *S100a9* reporter construct, related to Methods

|  |  |
| --- | --- |
| Oligo | Sequence |
| *Cla*I-*s100a8*prom fw | AAATCGATTGCAGCATATGAGAAATACTCCATAGACC |
| *Xba*I-*s100a8*prom rv | CTTCTAGACCGCCTTCACGAAAGATTTCCTTTCAACT |
| *Cla*I-*s100a9*prom fw | AAATCGATTGCAGGACAAAGTTTGGAGCTAAAATGAGA |
| *Xba*I-*s100a9*prom rv | CTTCTAGACCGCCTTAGGTGCTTTGTTGGCCATCTT |

Supplementary file 1e: List of oligonucleotides (stated in 5’-3’ orientation) for mutagenesis to disrupt specific sites within *S100a8* and *S100a9* reporter vectors, related to Methods

|  |  |  |
| --- | --- | --- |
| Oligo | Forward primer | Reverse primer |
| *S100a8* | | |
| Site 1 | CCACATGGACTTGGTAACAGAGGCTGTGGC | GCCACAGCCTCTGTTACCAAGTCCATGTGG |
| Site 2 | CTTCCCTTCCAGAGTTGCTCTGTTTCCTAACCAA | TTGGTTAGGAAACAGAGCAACTCTGGAAGGGAAG |
| Site 3 | CATAGCCCTACTTGTCTTGAAGACGGAGCTGACAA | TTGTCAGCTCCGTCTTCAAGACAAGTAGGGCTATG |
| *S100a9* | | |
| Site 1 | CATAACATTCCTCTCCATGAGCTACCACCTCTGA | TCAGAGGTGGTAGCTCATGGAGAGGAATGTTATG |
| Site 2 | CTGTATATTACAAGTCAGGACTGAAAGGTATCAAAGATGGCA | TGCCATCTTTGATACCTTTCAGTCCTGACTTGTAATATACAG |
| Site 3 | GAGCTGTGTGAACGCCCCACCCCAGC | GCTGGGGTGGGGCGTTCACACAGCTC |
| Site 4 | TACCACACTGCTCACCTGTTCTTCCCCGAG | CTCGGGGAAGAACAGGTGAGCAGTGTGGTA |

Supplementary file 1f: List of qRT-PCR primer (in 5’-3’ orientation) used for qRT-PCR, related to Methods

|  |  |  |
| --- | --- | --- |
| Gene | Forward primer | Reverse primer |
| *Gapdh* | CCCACTCTTCCACCTTCGATG | GTCCACCACCCTGTTGCTGTAG |
| *S100a8* | ATCACCATGCCCTCTACAAGAATG | GTCCAATTCTCTGAACAAGTTTTCG |
| *S100a9* | AAGCTGCATGAGAACAACCCA | CCCAGAACAAAGGCCATTGA |
| *Cebpd* | GAACCCGCGGCCTTCTA | TGTTGAAGAGGTCGGCGA |
| *Jmjd3* | CCCCCATTTCAGCTGACTAA | CTGGACCAAGGGGTGTGTT |
| *Ptx3* | CGAAATAGACAATGGACTTCATCC | CATCTGCGAGTTCTCCAGCAT |
| *Cd209a* | TCATCCTTGTCAAAGTCTACAA | GGCCACAGAGAAGAAGTAAC |
| *Msr1* | AGTGCTGTCTTCTTTACCAGC | GTGAGGAAGGGATGCTGTC |
| *Cd14* | TTTGCATCCTCCTGGTTTCTGA | GCTTTTACCCACTGAACCATCTTG |
| *Tnfa* | AGAAACACAAGATGCTGGGACAGT | CCTTTGCAGAACTCAGGAATGG |
| *Il6* | TGAGATCTACTCGGCAAACCTAGTG | CTTCGTAGAGAACAACATAAGTCAGAT ACC |
| *Inos* | CCTCATTGGCCAGCTGCTT | GGTCCGCAAGAGAGTGCTGTT |
| *Cd86* | GACATACAATGAGCGAGATCG | GGAAACGGAGTCAATGAAGATTTC |
| *Il1b* | TGTCTTGGCCGAGGACTAAGG | TGGGCTGGACTGTTTCTAATGC |
| *Il10* | GGGTTGCCAAGCCTTATCG | TCTCACCCAGGGAATTCAAATG |
| *Cd163* | TTGGAATGGGTGGACACAGA | GTTAGTGACAGCAGAGGCACT |

Supplementary file 1g: List of ChIP-qPCR primer (in 5’-3’ orientation) for *S100a8* and *S100a9* genomic locations, related to Methods

|  |  |  |
| --- | --- | --- |
| Position | Forward primer | Reverse primer |
| *S100a8* | | |
| *-580 to -311* | TCCTCCAAAGACTGTACCTAC | GGATCCATTGCTGATCCAATG |
| *-247 to -79* | CATGGACTTATTGCCATGCCCC | TCTTCCCTTCCAGAGTTGCCAC |
| *+2 to +252* | GTCTAGCAGAAGAGGGCAG | GAAAGGAAAAGTCGCAGAGG |
| *S100a9* | | |
| *-851 to -614* | AGACTATCAGAGAGGTACAAGG | TCTTCAGTGGTTCTCAGTGT |
| *-371 to -239* | CATGAGAAGGCTCAGACCATA | AGCCTACCTGCCATCTTTG |
| *-78 to +28* | TGACTGTCAGAGTTACCACAC | TAAGAGCAGTGTAAGCCCAG |
| *+70 to +278* | GGCCACTGTTAGGCAAGATA | AGCCCTCCTAGGTTGATCTAT |