**1.Supplementary File 1A**

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| GENE | 5’ to 3’ |
| GAPDH | Forward: ACAACTTTGGTATCGTGGAAGG  Reverse: GCCATCACGCCACAGTTTC |
| ZFP36L1 | Forward: ACCACCACCCTCGTGTCTG  Reverse: TGCCCACTGCCTTTCTGT |
| CD274 | Forward: TGGCATTTGCTGAACGCATTT  Reverse: TGCAGCCAGGTCTAATTGTTTT |
| HDAC3 | Forward: CCTGGCATTGACCCATAGCC  Reverse: CTCTTGGTGAAGCCTTGCATA |
| SPI1 | Forward: ATGGAAGGGTTTCCCCTCGT  Reverse: CTGGAGCTCCGTGAAGTTGT |
| 18S rRNA | Forward: GTCTGTGATGCCCTTAGATG  Reverse: AGCTTATGACCCGCACTTAC |
| Zfp36l1 | Forward: CACCCCAAGTACAAGACGGA  Reverse: GCTAGGAGCAAAGAGGCTCG |
| Cd274 | Forward: GCTCCAAAGGACTTGTACGTG  Reverse: TGATCTGAAGGGCAGCATTTC |
| ChIP-ZFP36L1-E1A | Forward: AAGTGCCAGTTTTCTTCCTTG  Reverse: CACCAGTCCCTGCCAGTC |
| ChIP-ZFP36L1-E1B | Forward: CTAGCAAGGCCCTGGTATG  Reverse: CTGTCCACATGGCAACCCT |
| ChIP-ZFP36L1-E1C | Forward: TTATACAACGTGGTGCTGGTG  Reverse: GTGTCAGTGCCTCCTCATT |
| ChIP-ZFP36L1-E1D | Forward: GGAGGCACTGACACGGACA  Reverse: GAATTCAAGTGGGGATTAGG |
| ChIP-CD274-P1 | Forward: GCTGGGCCCAAACCCTATT  Reverse: TTTGGCAGGAGCATG GAGTT |
| ChIP-CD274-P2 | Forward: ATGGGTCTGCTGCTGACTTT  Reverse: GGCGTCCCCCTTTCTGATAA |
| ChIP-CD274-P3 | Forward: ACTGAAAGCTTCCGCCGATT  Reverse: CCCAAGGCAGCAAAT CCAGT |

**2.Supplementary File 1B**

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| Type | Plasmid DNA | remark |
| ZFP36L1  (Human) | pLenti-CMV-ZFP36L1-GFP-Puro |  |
| pcDNA3.1-ZFP36L1-Flag |  |
| pPLK-GFP-Puro-ZFP36L1 shRNA-1 | GTAACAAGATGCTCAACTATA |
| pPLK-GFP-Puro-ZFP36L1 shRNA-2 | CCTCCAGCATAGCTTTAGCTT |
| pcDNA3.1-mutZFP36L1-Flag | C153R-C173R |
| ZFP36L1  (Mouse) | pLVX-CMV-Zfp36l1-3×Flag-Puro |  |
| pLKO.1-U6-Zfp36l1 shRNA-1-EF1a-copGFP-T2A-Puro | GCTTTCGAGACCGCTCTTTCTC |
| pLKO.1-U6-Zfp36l1 shRNA-2-EF1a-copGFP-T2A-Puro | GCTGCCACTTCATTCATAACGC |
|  | pLenti-CMV-SPI1-GFP-Puro | ID：6688；NM\_001080547.2 |
| pLenti-CMV-ELF1-GFP-Puro | ID：1997；NM\_172373.4 |
| pLenti-CMV-E2F1-GFP-Puro | ID：1869；NM\_005225.3 |
| pcDNA3.1-BRD4-3×Flag | ID: 23476；NM\_058243.3 |
| pLVX-Puro-Flag-HDAC3 | ID: 8841；NM\_001355039.2 |
| prokaryotic expression | pGEX-4T-2-GST-SPI1 |  |
| pET-32a-His-BRD4 |  |
| Luciferase reporter | pGL4-Luci-E1 (Full length) | chr14:68806839-68807740 |
| pGL4-Luci-E1A | chr14:68806839-68807000 |
| pGL4-Luci-E1B | chr14:68807000-68807300 |
| pGL4-Luci-E1C (Wild) | chr14:68807300-68807500 |
| pGL4-Luci-E1C (Deletion) | deletion: GAAGAGGGAAGGCAG, chr14:68807469-68807483 |
| pGL4-Luci-E1D | chr14:68807500-68807740 |
| pGL4-Luci-CD274 promoter |  |
| pmirGLO-HDAC3-3’UTR (Wild) | “ATTTA” motif |
| pmirGLO-HDAC3-3’UTR (Mutant) | “ACCCA” mutant motif |