**Supplementary Tables**

**Supplementary Table S1. miRNAs and siRNA target sequences**

|  |  |  |
| --- | --- | --- |
| siRNAs | Target gene | Target sequences (5′ to 3′) |
| Gli1Gli2Nkx2-2BTG2LATS1DicerFoxD1 | GUCCUCGACUUGAACAUUA (#1)CCUUCACCAUGCCAUGAAA (#2)GCGCAGCAAGGUCAAGACC (#1)GUGACACCAACCAGAACAA (#2)CCAUGCCUCUCCUUCUGAA (#1)UCUACGACAGCAGCGACAA (#2)GTGGGTGGACCCCTATGAGGT (#1)CTCCATCTGCGTCTTGTACGA (#2)GAAATTCGGGAATCCCTTAGG (#1)AGCAATTGAATTCATTAGTAA (#2)GGGCACCCAUCUCUAAUUA (#1)GGACCAUUUACUGACAGAA (#2)GAGAUCUGUGAGUUCAUCAGC (#1)UUCUCCAUCGAGAGCAUCAUC (#2)  |
| **miRNA mimics**  | **miRNA name** | **Sequence (5**′ **to 3**′**)** |
| miR-103a mimicsmiR-107 mimicsCtrl | AGCAGCAUUGUACAGGGCUAUGAAGCAGCAUUGUACAGGGCUAUCAUUCUCCGAACGUGUCACGUTT |

**Supplementary Table S2. Primers used for qRT-PCR analysis**

|  |  |
| --- | --- |
| Gene | Primers (5′ to 3′) |
| mmu-Nkx2.2mmu-Nkx2.2AShsa-Nkx2.2hsa-Nkx2.2ASBTG2LATS1mmu-miR-103-1mmu-miR-107has-miR-103ahas-miR-107hsa-miR-548mhas-mir-92b-5phas-mir-221-5phas-mir-631has-mir-539-5phas-mir-520a-5phas-mir-211-3phas-mir-525-5phas-mir-204has-mir-211 | Forward: AAGAATTTCAAAACCGACGGAReverse: CCTCAAATCCACAGATGACCAGAForward: CCGGGCACGTTTCATCTTGReverse: AAGTTCCTCTGTTGGTGGGAForward: GACAACTGGTGGCAGATTTCGCTTReverse: AGCCACAAAGAAAGGAGTTGGACCForward: ACATTAACGCTGGGACGGTTReverse: CCCCCAGCTCTGCCCATForward: CTGGGCAGAGAGTGAAAAGReverse: CTTCCATCCTAACCCCAATForward: GAAGCAGTATACATGCCTTTGGReverse: CACTGGACAATGCATAACAGTATCAGCAGCATTGTACAGGGCTATGA AGCAGCATTGTACAGGGCTATCAAGCAGCATTGTACAGGGCTATGAAGCAGCATTGTACAGGGCTATCACAAAGGTATTTGTGGTTTTTGAGGGACGGGACGCGGTGCAGTGacctggcatacaatgtagatttagacctggcccagacctcagcggagaaattatccttggtgtgtctccagagggaagtactttctgcagggacagcaaaggggtgcctccagagggatgcactttctttccctttgtcatcctatgcctttccctttgtcatccttcgcct |

**Supplementary Table S3. Antibodies used for Western blotting (WB), immunohistochemistry (IHC), immunofluorescent staining (IF), flow cytometry (FCM), chromatin immunoprecipitation (ChIP) and RNA immunoprecipitation (RIP)**

|  |  |  |
| --- | --- | --- |
| Antigen | Applications | Source |
| Gli1Gli2Gli2BTG2LATS1LATS2YAP1LATS1/2Phalloidine (FITC-conjugated)NestinDicerFoxD1β-actinNkx2.2Nkx2.2GAB1Argonaute 2 GFPCD133 (PE-conjugated)CD15/SSEA-1(PerCP-Cy5.5 conjugated)Mouse IgGRabbit IgGRat IgG1 (PE-conjugated)Mouse IgM (PerCP-Cy5.5 conjugated)Goat anti-rabbit IgG (Cy3-conjugated) | WBWBChIPWB, IHC, IFWB, IFWBWBIHCIFIFWBWB, IHC, ChIPWBWBIHCIHCRIPRIPFCMFCMChIPChIP, RIPFCMFCMIF | Novus Biologicals, Cat. # NB600-600Proteintech, Cat. # 18989-1-APAbcam, Cat. # ab26056Absin, Cat. # abs119633aAbsin, Cat. # abs124498aProteintech, Cat. # 20276-1-APAbcam, Cat. # ab52771Abcam, Cat. # ab70565Sigma, Cat. # P5282Sigma, Cat. # N5413Proteintech, Cat. # 20567-1-APAbcam, Cat. # ab179940Abcam, Cat. # ab8227Abnova, Cat. # PAB20216Abcam, Cat.# ab191077Gene Tex, Cat. # GTX111253Abcam, Cat. # ab32381Abcam, Cat. # ab290eBioscience, Cat. # 12-1331BD Pharmingen, Cat. # 561560Cell Signaling, Cat. # 5415Abcam, Cat. # ab27478eBioscience, Cat. # 12-4301BD Pharmingen, Cat. # 560857Abcam, Cat. # ab6939 |