

Table S3. Oligonucleotides used in this study

Oligo Name	Sequence (5' to 3')	Purpose
hHMG20A qPCR Fwd	GATCTGGCTACCACTGGGTT	RT-qPCR
hHMG20A qPCR Rev	CCTCCTCGTTTACTTCGTTGC	RT-qPCR
hHMG20B qPCR2 Fwd	CATGGGGGCTTCGTGGTGA	RT-qPCR
hHMG20B qPCR2 Rev	CGCCAGCATCTTGGTGAT	RT-qPCR
hGSE1 qPCR 1 Fwd	GCCTGCAATGCACTGGCCTA	RT-qPCR
hGSE1 qPCR 1 Rev	GGAGCCTGGAATCCTTTGCTTC	RT-qPCR
hPHF21A qPCR Fwd	CTCCTGCTGCTCTGATCCC	RT-qPCR
hPHF21A qPCR Rev	GGCCTCTCGCACTTTTTAGA	RT-qPCR
hHBA1/2 qPCR Fwd	CCGGTCAACTTCAAGTCCTA	RT-qPCR
hHBA1/2 qPCR Rev	GGTATTTGGAGGTCAGCACGG	RT-qPCR
hHBZ qPCR Fwd	GAGCAGGCCCAACTCCAG	RT-qPCR
hHBZ qPCR Rev	TGTCGTCGATGCTCTTCACC	RT-qPCR
hAHSP qPCR Fwd	ATAAGGATCTCATTTCCGACGG	RT-qPCR
hAHSP qPCR Rev	CCTTGCTCGCTCTTGGGG	RT-qPCR
hHBB qPCR Fwd	GTGAACGTGGATGAAGTTGGTGGTGAG	RT-qPCR
hHBB qPCR Rev	TTGGACAGCAAGAAAGCGAGCTTAGTG	RT-qPCR
hHBD qPCR Fwd	GCACGTGGATCCTGAGAACT	RT-qPCR
hHBD qPCR Rev	ACCTTGAAGTAGGCATTGTGT	RT-qPCR
hHBE1 qPCR Fwd	GGCCAGAACTTCGGCAGTAA	RT-qPCR
hHBE1 qPCR Rev	AAACAACGAGGAGTCTGCCC	RT-qPCR
hHBG1/2 qPCR Fwd	ACTCGCTTCTGGAACGTCTG	RT-qPCR
hHBG1/2 qPCR Rev	CCTCTGGGTCCATGGGTAGA	RT-qPCR
hALAS2 qPCR Fwd	TACCCACCTGTCATTGTTCCG	RT-qPCR
hALAS2 qPCR Rev	GGACCGGAAAATGGCTTCCT	RT-qPCR
hFECH qPCR Fwd	ATCCAGCAGCTGGAGGGTCT	RT-qPCR
hFECH qPCR Rev	TGAATCTTGGGGGTTCCGGCG	RT-qPCR
hGYPA qPCR Fwd	CATTAAGTACCACTGAGGTGGC	RT-qPCR
hGYPA qPCR Rev	TGATGGGCAAGTTGTACCCT	RT-qPCR
hKLF1 qPCR Fwd	TGACTTCTCAAGTGGTGGC	RT-qPCR
hKLF1 qPCR Rev	GGTGAGGAGGAGATCCAGGT	RT-qPCR
hGFI1B qPCR Fwd	GCAGGAAGATGAACCGCTCT	RT-qPCR
hGFI1B qPCR Rev	CCAGGCACTGGTTTGGGAA	RT-qPCR
hMYB qPCR Fwd	GGGCAGAAATCGAAAGCTACT	RT-qPCR
hMYB qPCR Rev	GTTAACAGTGGGCTGGCCAG	RT-qPCR
hCDKN1A qPCR Fwd	TTTCTCTCGGCTCCCATGT	RT-qPCR
hCDKN1A qPCR Rev	GCTGTATATTAGCATTGTGGG	RT-qPCR
HMG20A shRNA 1 S	CTAGCAAGGCAAATCTCATAGGCAAGTACTAGTCTTGC CTATGAGATTTGCCTTTTTTTG	shRNA Knockdown (EZ Tet pLKO)

HMG20A shRNA 1 A	AATTCAAAAAAGGCAAACTCATAGGCAAGACTAGT ACTTGCTATGAGATTTGCCTTG	shRNA Knockdown (EZ Tet pLKO)
HMG20B shRNA 1S	CCGGAGCATCCCTTTAGCTTTCAATCTCGAGATTGAAA GCTAAAGGGATGCTTTTTT	shRNA Knockdown (Tet pLKO)
HMG20B shRNA 1A	AATTA AAAAAGCATCCCTTTAGCTTTCAATCTCGAGATT GAAAGCTAAAGGGATGCT	shRNA Knockdown (Tet pLKO)
LSD1 shRNA 2S	CCGGGCCTAGACATTA AACTGAATACTCGAGTATTCAG TTTAATGTCTAGGCTTTTT	shRNA Knockdown (Tet pLKO)
LSD1 shRNA 2A	AATTA AAAAGCTAGACATTA AACTGAATACTCGAGTA TTCAGTTTAATGTCTAGGC	shRNA Knockdown (Tet pLKO)
LSD1 shRNA 3S	CCGGGCTACATCTTACCTTAGTCATCTCGAGATGACTA AGGTAAGATGTAGCTTTTT	shRNA Knockdown (Tet pLKO)
LSD1 shRNA 3A	AATTA AAAAGCTACATCTTACCTTAGTCATCTCGAGAT GACTAAGGTAAGATGTAGC	shRNA Knockdown (Tet pLKO)
GSE1 shRNA 2 S	CTAGCGAACTCACCTTGACGTCAATGTACTAGTCATTG ACGTCAAGGTGAGTCTTTTTG	shRNA Knockdown (EZ Tet pLKO)
GSE1 shRNA 2 A	AATTC AAAAAGAACTCACCTTGACGTCAATGACTAGTA CATTGACGTCAAGGTGAGTTTCG	shRNA Knockdown (EZ Tet pLKO)
EZ Scramble S	CTAGCCAACAAGATGAAGAGCACCAACTAGTTTGGT GCTCTCATCTTGTGTTTTG	shRNA Knockdown (EZ Tet pLKO)
EZ Scramble A	AATTC AAAAACAAGATGAAGAGCACCAACTAGT ATTGGTGCTCTTCATCTTGTGG	shRNA Knockdown (EZ Tet pLKO)
Scramble shRNA S	CCGGCAACAAGATGAAGAGCACCAACTCGAGTTGGTG CTCTTCATCTTGTGTTTTT	shRNA Knockdown (Tet pLKO)
Scramble shRNA A	AATTA AAAAACAAGATGAAGAGCACCAACTCGAGT TGGTGCTCTTCATCTTGTG	shRNA Knockdown (Tet pLKO)
EcorR1 mHMG20B Fwd	AAAAGAATTCAGCCACCATGTCCACGGTCCCGGCA	Cloning HMG20B into pcDNA3.1
HMG20B no stop BamH1 Rev	AAAAGGATCCAGGTGCTCGCTGCTACCC	Cloning HMG20B into pcDNA3.1
Nhe1 mHMG20A Fwd	TTTTGTAGCGCCACCATGGAGAGCTTGATGGCCAG	Cloning HMG20A into pcDNA3.1
mHMG20A NoStop BamH1 Rev	TTTTGGATCCACGATCAAGCCTGTTCAACAAC	Cloning HMG20A into pcDNA3.1
Nhe1 mPHF21A Fwd	AAAAGCTAGCGCCACCATGGAGTTGACAGACTCTACA	Cloning PHF21A into pcDNA3.1
mPHF21A no stop Xho1 Rev	AAAACCTGAGATTTAGTCTCTTCCCTGGT	Cloning PHF21A into pcDNA3.1
mGF11B Nhe1 Fwd	AAAGCTAGCGCCACCATGCCACGGTCTTTCTAGT	Cloning GF11B into pcDNA3.1
mGF11B BamH1 NoStop Rev	AAAGGATCCTAAAATCCCCACTTGAGATTGTGTTGAC	Cloning GF11B into pcDNA3.1
EcoR1 Gfi1b Fwd	CCCCGAATTCGCCACCATGCCACGGTCTCTT	Cloning GF11B forms inframe with Gal4
Gfi1b SNAG Kpn1 Rev	CCCCGGTACCCAGCTCATCACCTGTGCC	Cloning GF11B forms inframe with Gal4
Gfi1b D1C Kpn1 Rev	CCCCGGTACCCGAGTGGATGAGCAGGTGGG	Cloning GF11B forms inframe with Gal4
BamH1-hGF11B-SNAG-Fwd	AAAAGGATCCGGCTAGCGCCACCATGCCAC	Cloning SNAG-BirA*:HA (pcDNA3.1)
hGF11B-SNAG-bamH1-Rev	AAAAGGATCTCCACACGGGGCTGTTGTTAGG	Cloning SNAG-BirA*:HA (pcDNA3.1)
Age1BamH1 with EcoRI S	CCGGTCGAATTCGCCACCATGGCGGAGGGTCTGGAG GCGGGAGTG	Cloning BirA*:HA Only (pcDNA3.1)
Age1BamH1 with EcoRI A	GATCCGGACCCGCTCCAGACCTCCGCCATGTTGGC GAATTCGA	Cloning of BirA*:HA Only (pcDNA3.1)
Not1-d1n-hGF11B-fwd	AAAAGCGCGCCGCCACCATGCAGGAAGATGAACCGC TC	Cloning dSNAG-BirA*:HA (pLVX-Tight)
Not1 BioOnly Fwd	AAAAGCGGCGCGTAGGAATTCGCCACCATGG	Cloning BirA*:HA only (pLVX-Tight)
Not1 Gfi1b Bio Fwd	AAAAGCGGCGCGAATTCCTGCTAGCGCCACCATG	Cloning GF11B-BirA*:HA (pLVX-Tight)
Ha Mlu1 Rev	AAAAACGCGTACTATGCGTAATCCGGTACATCG	Cloning GF11B-BirA*:HA (pLVX-Tight)
P2A-Gfi1b-3xFlag-Fwd	CGATCGCCACCATGGCACGGTCTTTCTA	Site-directed mutagenesis
P2A-Gfi1b-3xFlag-Rev	TAGAAAGGACCGTGCCATGGTGGCGATCG	Site-directed mutagenesis