

SUPPLEMENTAL TABLES

Table S1. Targeting sequences of shRNAs

Gene	Clone ID	Target sequences
Human Smad2 shRNA-1	TRCN0000010477	CAAGTACTCCTTGCTGGATTG
Human Smad2 shRNA-2	TRCN0000040037	CCTAAGTGATAGTGCAATCTT
Human Smad3 shRNA-1	TRCN0000020010	CCGCTGTTCCAGTGTGTCTTA
Human Smad3 shRNA-2	TRCN0000020013	GAGCCTGGTCAAGAACTCAA
Mouse Smad2 shRNA-1	TRCN0000089334	CGGTTAGATGAGCTTGAGAAA
Mouse Smad2 shRNA-2	TRCN0000089335	CCACTGTAGAAATGACAAGAA
Mouse Smad3 shRNA-1	TRCN0000089026	CTGTCCAATGTCAACCGGAAT
Mouse Smad3 shRNA-2	TRCN0000089027	CATCCGTATGAGCTTCGTCAA
Human Cdx2 shRNA-1	TRCN0000013683	GCTGAATGTATGTCAGTGCTA
Human Cdx2 shRNA-2	TRCN0000013684	CCGCAGAGCAAAGGAGAGGAA
Mouse Nanog shRNA		GTAGCTCAGATATGCAATA
Non-targeting shRNA		ATCTCGCTTGGGCGAGAGTAAG

Table S2. Primer sequences for qRT-PCR and chromatin immunoprecipitation (ChIP)

Gene	Forward	Reverse
Mouse (qRT-PCR)		
Sox17	CAACGCAGAGCTAAGCAAGATG	CACGAAGGGCCGCTTCT
Brachyury	CTGGGAGCTCAGTTCTTTTCA	GAGGACGTGGCAGCTGAGA
Tuj1	TAG ACC CCA GCG GCA ACT AT	GTT CCA GGT TCC AAG TCC ACC
Cdx2	GCCACCATGTACGTGAGCTAC	GTCACCTGGGTGACAGTGGAGT
FoxA2	CCAGCAGAGCCCCAACAA	AGGGAAGAGGTCCATGATCCA
GATA4	CAGCCTGCCTGGACGG	GCCTTCTGAGAAGTCATCAAACATAT
Blimp1	TTCTCTTGAAAAACGTGTGGG	GGAGCCGGAGCTAGACTTG
PRDM14	AGTCCAGGACAAGGCGAA	GTGGTGGCGAGGTTCTCTAA
Oct4	AGTCTGGAGACCATGTTTCTGAAGT	TACTCTTCTCGTTGGGAATACTCAATA
Nanog	CCTCAGCCTCCAGCAGATGC	CCGCTTGCACCTTCACCCTTTG
Smad2	AAGCCATCACCCTCAGAATTG	CACTGATCTACCGTATTTGCTGT
Smad3	AGGGGCTCCCTCACGTTATC	CATGGCCCCTAATTCATGGTG
Human (qRT-PCR)		
Oct4	CTTGAATCCCGAATGGAAAGGG	GTGTATATCCCAGGGTGATCCTC
Nanog	CATGAGTGTGGATCCAGCTTG	CCTGAATAAGCAGATCCATGG
Sox17	GTGGACCGCACGGAATTTG	GGAGATTCACACCGGAGTCA
FoxA2	GGAGCAGCTACTATGCAGAGC	CGTGTTTCATGCCGTTTCATCC
Gata4	CGACACCCCAATCTCGATATG	GTTGCACAGATAGTGACCCGT
CER	GGATGGCCGCCAGAATCAG	TGGCACTGCGACAAACAGAT
Brachyury	TGCTTCCCTGAGACCCAGTT	GATCACTTCTTTCTTTGCATCAAG
Tuj1	GGCCAAGGGTCACTACACG	GCAGTCGCAGTTTTTCACTC
Cdx2	GGGCTCTCTGAGAGGCAGGT	CCTTTGCTCTGCGGTTCTG
Dlx3	CTC GCC CAA GTC GGA ATA TAC	CTG GTA GCT GGA GTA GAT CGT
Hand1	GAG AGC ATT AAC AGC GCA TTC G	CAC GTC CAT CAG GTA GGC G
Msx2	GCA GAG CGT GCA GAG TTC T	GGC AGC ATA GGT TTT GCA GC
KDR	AAG GTG ACA GGA AAA GAC GAA CT	TCC CCT CCA TTG GCC CGC TTA AC
MHC	CCCTACAAGTGGTTGCCAGTG	CTTCCCTGCGCCAGATTCTC
Rux2	TGGTTACTGTCATGGCGGGTA	TCTCAGATCGTTGAACCTTGCTA
Nestin	GAA ACA GCC ATA GAG GGC AAA	TGG TTT TCC AGA GTC TTC AGT GA
Sox1	CAG TAC AGC CCC ATC TCC AAC	GCG GGC AAG TAC ATG CTG A
Smad2	ATGTCGTCCATCTTGCCATTC	CTCAAGCTCATCTAATCGTCCTG
Smad3	TGGACGCAGGTTCTCCAAAC	CCGGCTCGCAGTAGGTAAC
RPL19	ATGTATCACAGCCTGTACCTG	TTCTTGGTCTCTTCCTC- CTTG
ChIP		
Nanog	CCC ACC TAG TCT GGG TTA CTC TGC	ACC CAC CCT TGT GAA TTC TCA GTT
Smad7	GAA ACC CGA TCT GTT GTT TGC	CTC TGC TCG GCT GGT TCC AC
Nanog N.C.	GGC CTT CCA GCC ACC AGC C	CCA TCC CCC GCT CCC TGT CC
Smad7 N.C.	GAC CAG AGA CTC CCC TAA AC	CTT CCT CTC CTT TTC TTC TGC