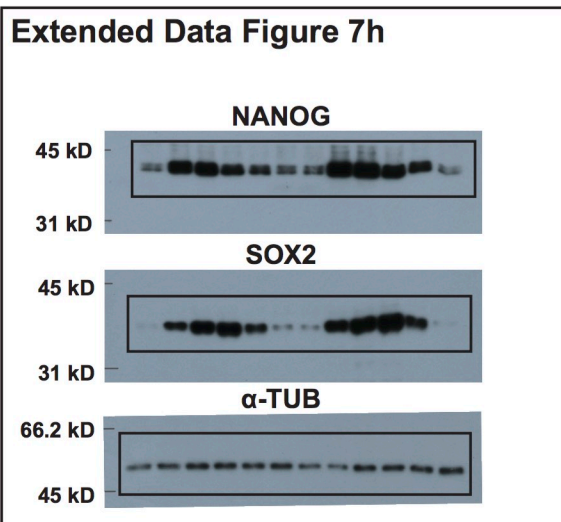
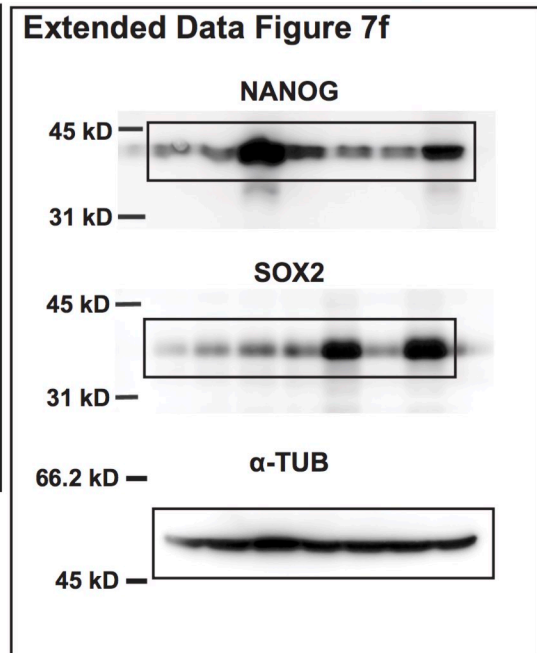
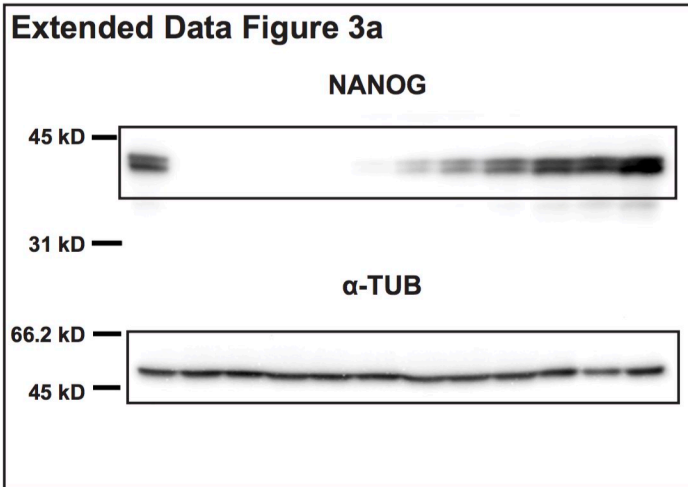
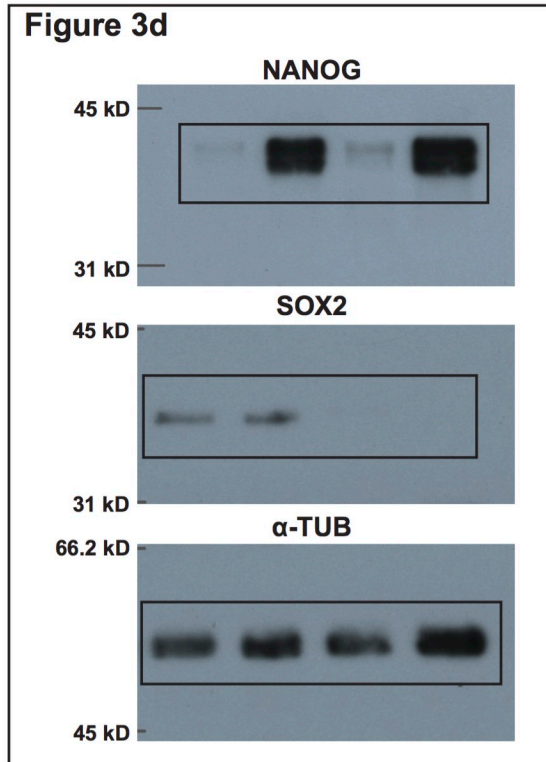
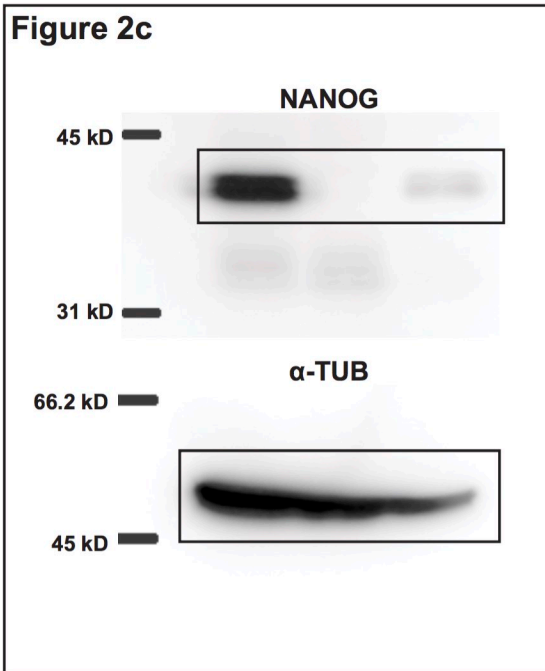


Supplementary Figure 1: Uncropped scans of Western blot gels



Supplementary Table 1: Oligonucleotide sequences

Gene-specific primers for qRT-PCR

Gene	Forward	Reverse
Gapdh 3'UTR	CCCCAACACTGAGCATCTCC	ATTATGGGGGTCTGGGATGG
Arbp coding	CAAAGCTGAAGCAAAGGAAGAG	AATTAAGCAGGCTGACTTGGTTG
Piap coding	TTACCCATCAAACCATTCTTCTG	AACCCAAAGAACTTCAGTGAGAGC
Oct4 coding	CCAATCAGCTTGGGCTAGAG	CTGGGAAAGGTGTCCCTGTA
Sox2 coding	ACCAGCTCGCAGACCTACAT	TGGAGTGGGAGGAAGAGGTA
Nanog coding	ACCTGAGCTATAAGCAGGTTAAGAC	GTGCTGAGCCCTTCTGAATCAGAC
Klf4 3'UTR	GGGGTCTGATACTGGATGGA	CCCCCAAGCTCACTGATTTA
Prdm1 coding	GAGGATCTGACCCGAATCAA	CATGGAGGTCACATCGACAC
Prdm1 3'UTR	AGCATGACCTGACATTGACACC	CTCAACACTCTCATGTAAGAGGC
Prdm14 coding	GCCTGAACAAGCACATGAGA	TGCACTTGAAGGGCTTCTCT
Prdm14 3'UTR	ACAGCCAAGCAATTTGCACTAC	TTACCTGGCATTTCATTGCTC
Tfap2c coding	ATCAAGATCGGACACCCAAC	ATGGCGATTAGAGCCTCCTT
Tfap2c 3'UTR	TGAAGATGAAGCTGGGCTTT	TCCATTCTCTTCCGGTTCAG
Dppa3 coding	AGGCTCGAAGGAAATGAGTTTG	TCCTAATTCTTCCCGATTTTCG
Nanos3 coding	CACTACGGCCTAGGAGCTTGG	TGATCGCTGACAAGACTGTGG
Mvh 3'UTR	CAGTTTGCAATGTGAGCTTTG	GGGGGAAATGTGTTTCATCTT
Wnt3 coding	CAAGCACACAATGAAGCAGGC	TCGGGACTCACGGTGTTCCTC
Brachyury 3'UTR	ATCAGAGTCCTTTGCTAGGTAG	GTTACAATCTTCTGGCTATGC
Dnmt3a 3'UTR	GACTCGCGTGCAATAACCTTAG	GGTCACTTCCCTCACTCTGG
Dnmt3b coding	CTCGCAAGGTGTGGGCTTTTGTAAC	CTGGGCATCTGTCATCTTTGCACC
Hoxa1 3'UTR	GTGACTAGTCTTCTGCATGTCG	TCTGCTCTGGACCACATCACTC
Hoxb1 3'UTR	GATCCTACAGGTCTTGGGACC	AGCTCAAAGGCACTGAACTGAG
Sox1 3'UTR	CCTGTGGTTCTGCCTTTTGC	TGAGCACAAACCATCCTCCT
Sox7 3'UTR	CCACAGTCCTTTGGCTGTCC	TACACGTGTCCAAGGGCAGA
Sox17 3'UTR	TTCTGTACACTTTAATGAGGCTGTTC	TTGTGGGAAGTGGGATCAAG

gRNA sequences for Nanog knockout

Target	Top	Bottom
Nanog exon1	CACCGTTCTCGGGATGAAAACTGC	AAACGCAGTTTTTTCATCCCGAGAAC

Primers for chromatin immunoprecipitation

Amplified region	Forward	Reverse
Negative control	AGGAGACCAGAGAGGCAAGA	GTCTTGAGGCCAGAAACCTC
Prdm1 enhancer	GCATCAGGAGATTGCCCTT	GCTGTGTGAGGTCCTCTGTG
Prdm14 enhancer	TCAAAGAAAGGGGTGAGCTT	TCAAAGAAAGGGGTGAGCTT

Primers for cloning of putative enhancers

Putative enhancer	Top	Bottom
Prdm1	GAGGATCAGGAGTTCAAGTTGGCTA	GGGGCAAACAGGTGAGTTTATTATT
Prdm14	CCCTCACACACACTACACCC	AGCAACTGGAAGACTGAGGC