

Table 1A: PCR primers

Gene name	Forward primer (5'-to3')	Reverse primer (5' to 3')
hGAPDH	TGGGTGGCAGTGATGGCATGG	TGGGTGGCAGTGATGGCATGG
h36B4	CAGCAAGTGGGAAGGTGTAATCC	CCCATTCTATCATCAACGGGTACAA
hOct4	GAGGATCACCTGGGATATACA	CGATACTGGTTCGCTTCTCTT
hSox2	CAAGATGCACAACCTCGGAGATCAG	GGGCAGCGTGACTTATCCTTCTTC
hNanog	AGTAAAGGCTGGGGTAGGTAGG	TCTGAACTCAGCTACAAACA
hKlf4	CGGCAAACCTACACAAGAGT	GTCCAGTCACAGTGGTAAGGT
hc-Myc	CTTCTGTGAAAGGCZCTCCTTG	CGAGGTCATAGTTCCTGTTGGT
hPax6	AAAGTCCAAGTGCTGGACAATC	CCGCTTATACTGGGCTATTTTG
hSox17	CCGAGTTGAGCAAGATGCTG	GTAAGTGTAGTTGGGGTGGTCTC
hAFP	GAAGTACGGACATTCAGACTGCT	GGATGCCTTCTTGCTATCTCA
hMyoD	CTACGAAGGCGCCTACTACAAC	AGGCAGTCTAGGCTCGACAC
hBrachyury	AAATCCTCATCCTCAGTTTGGAG	CATGCAGGTGAGTTGTCAGAATA
hNCAM	GATAAGAACGACGAGGCTGAGTA	CATGGCAGTCTGGTTCTTACAT
hTAGLN2	AGAACTCCAGAAGTGGCTCAAG	AACTGAGAGATCTGCTCCATCTG
hNes	CAAGACTCCCTCAGCTTTCAG	ACAGGTGTCTCAAGGGTAGCAG

Table 1B: Cloning primers

hOct4-Esp3I/EcoRI	CGTCTCGAATTCGGCCACCATGGCGGGACACCTGGCTTCGGAT
hOct4-Esp3I/XhoI	CGTCTCCTCGAGTCAGTTTGAATGCATGGGAGAGC
hKlf4-Esp3I/EcoRI	CGTCTCGAATTCGGCCACCATGGCTGTCAGCGACGCGCTGCTC
hKlf4-Esp3I/XhoI	CGTCTCCTCGAGTTAAAAATGCCTTTCATGTGTAAGGC
hNanog-EcoRI	GAATTCGGCCACCATGAGTGTGGATCCAGCTTGTCC
hNanog-XhoI	CTCGAGCTTACACGCTTTCAGGTTGCATG
hSox2-Esp3I/EcoRI	CGTCTCGAATTCGGCCACCATGATGGAGACGGAGCTGAAGCC
hSox2-Esp3I/XhoI	CGTCTCCTCGAGTTCATGTGTGAGAGGGGCAGT

Table 1C: In vitro transcription

SP6	GATTAGGTGACACTATAG
T7	TAATACGACTCACTATAGGG