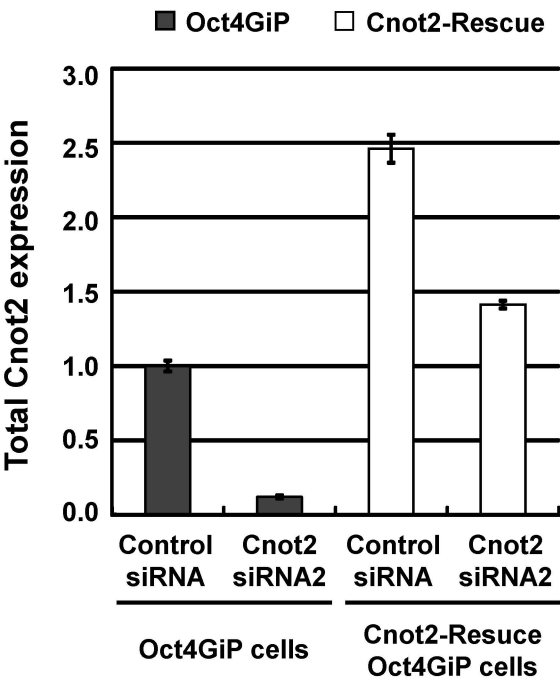
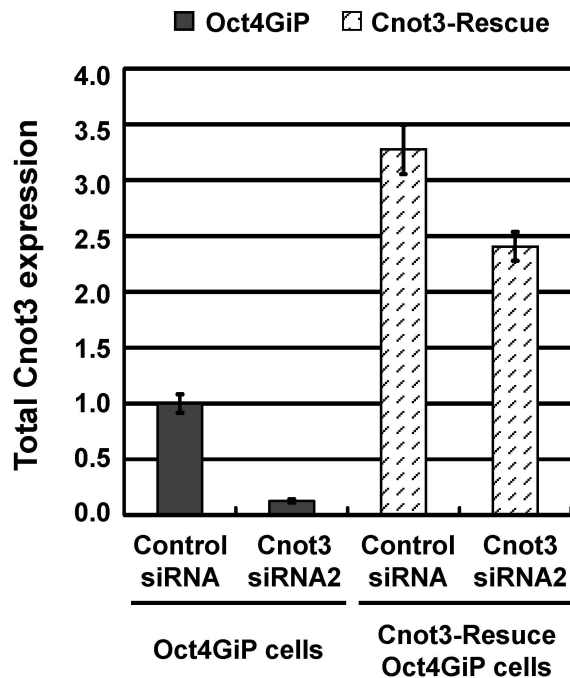
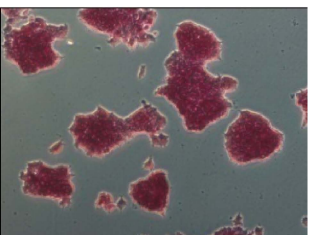
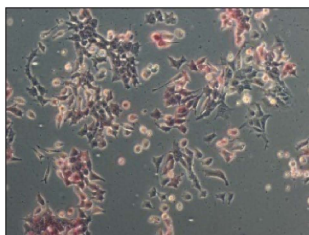


A**B**

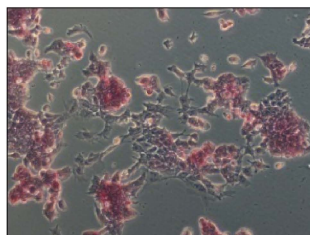
E14-Mock



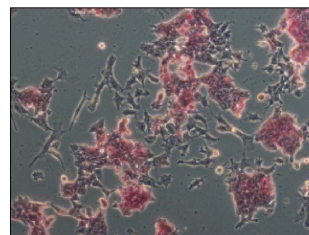
Cnot1-1 SiRNA1



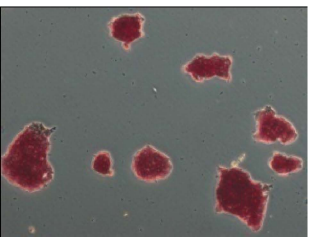
Cnot2-2 SiRNA2



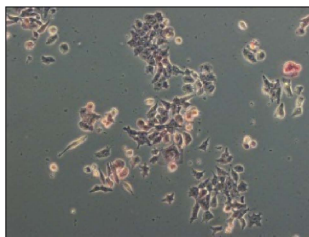
Cnot3-2 SiRNA2



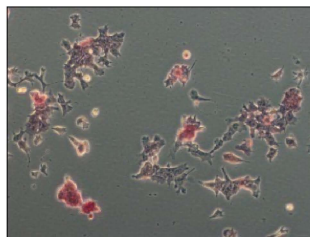
J1-Mock



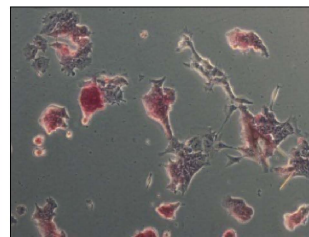
Cnot1-1 SiRNA1



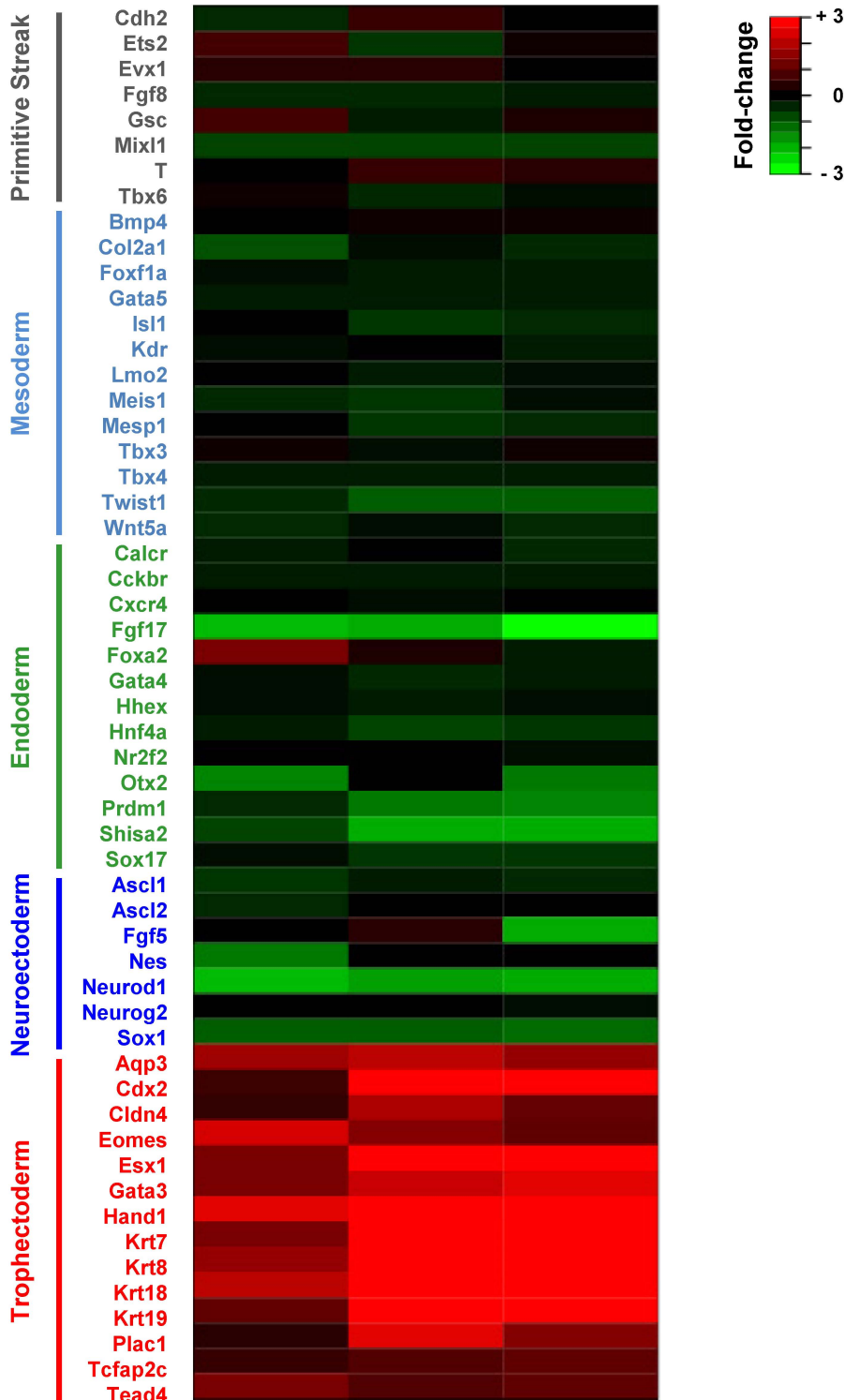
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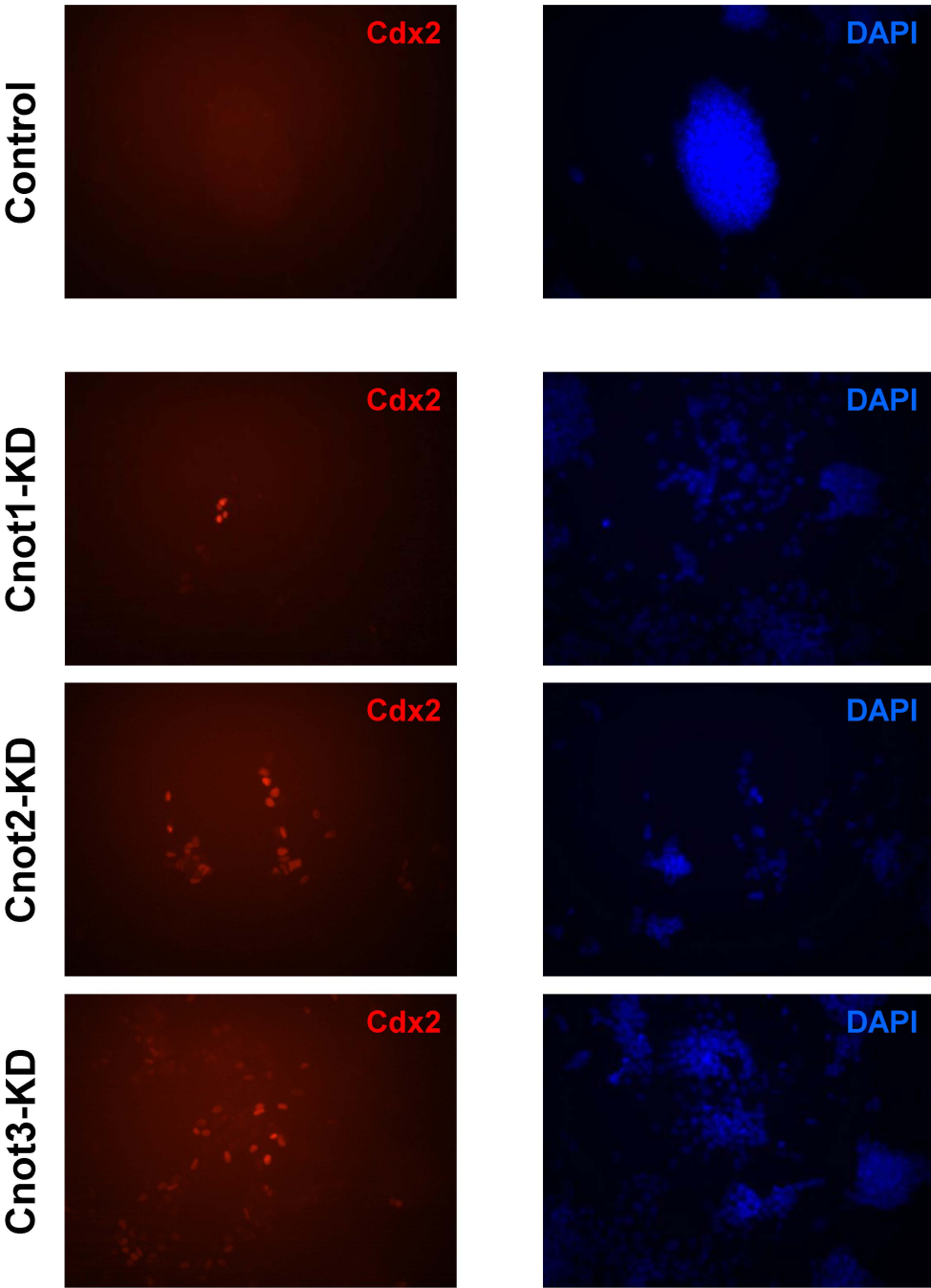


Cnot3-2 SiRNA2

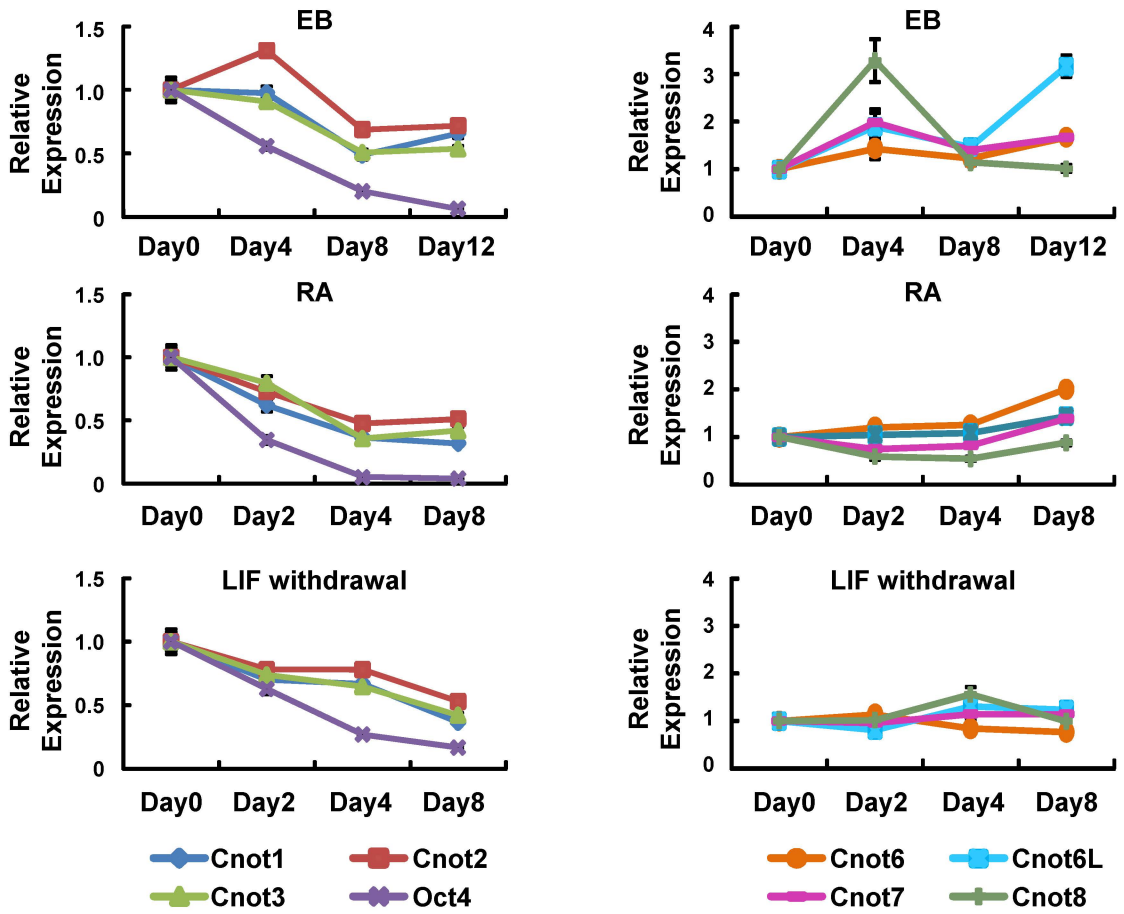


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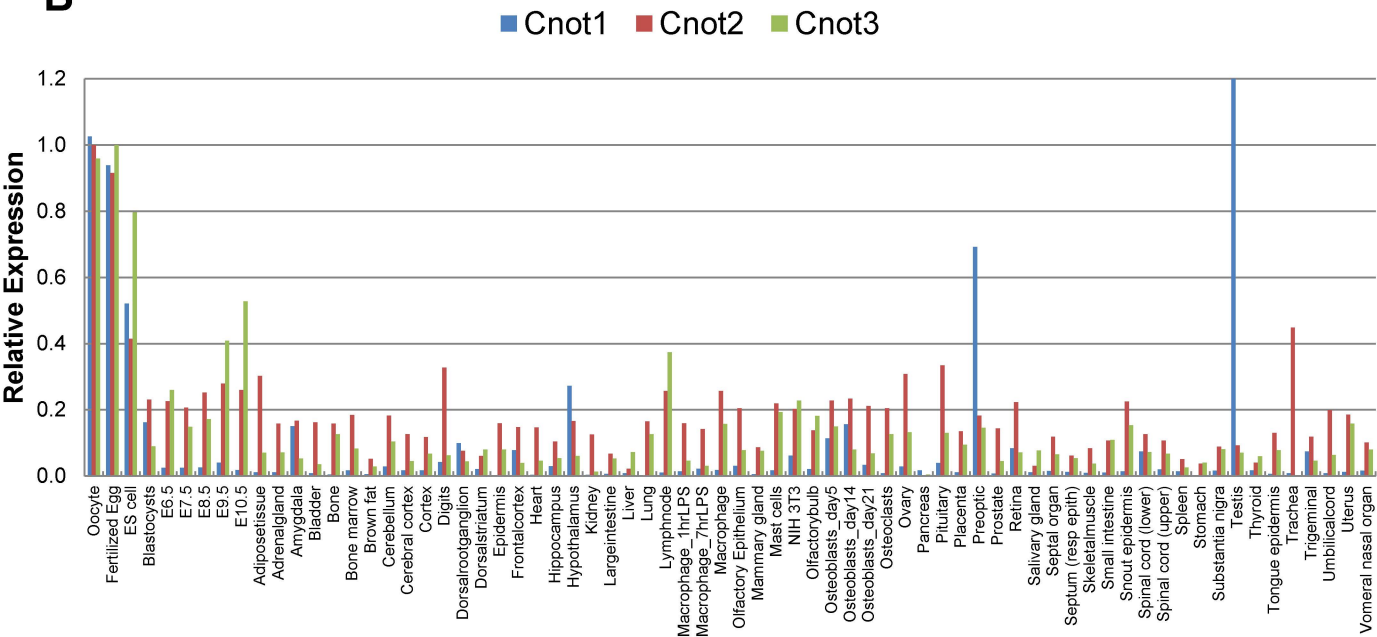


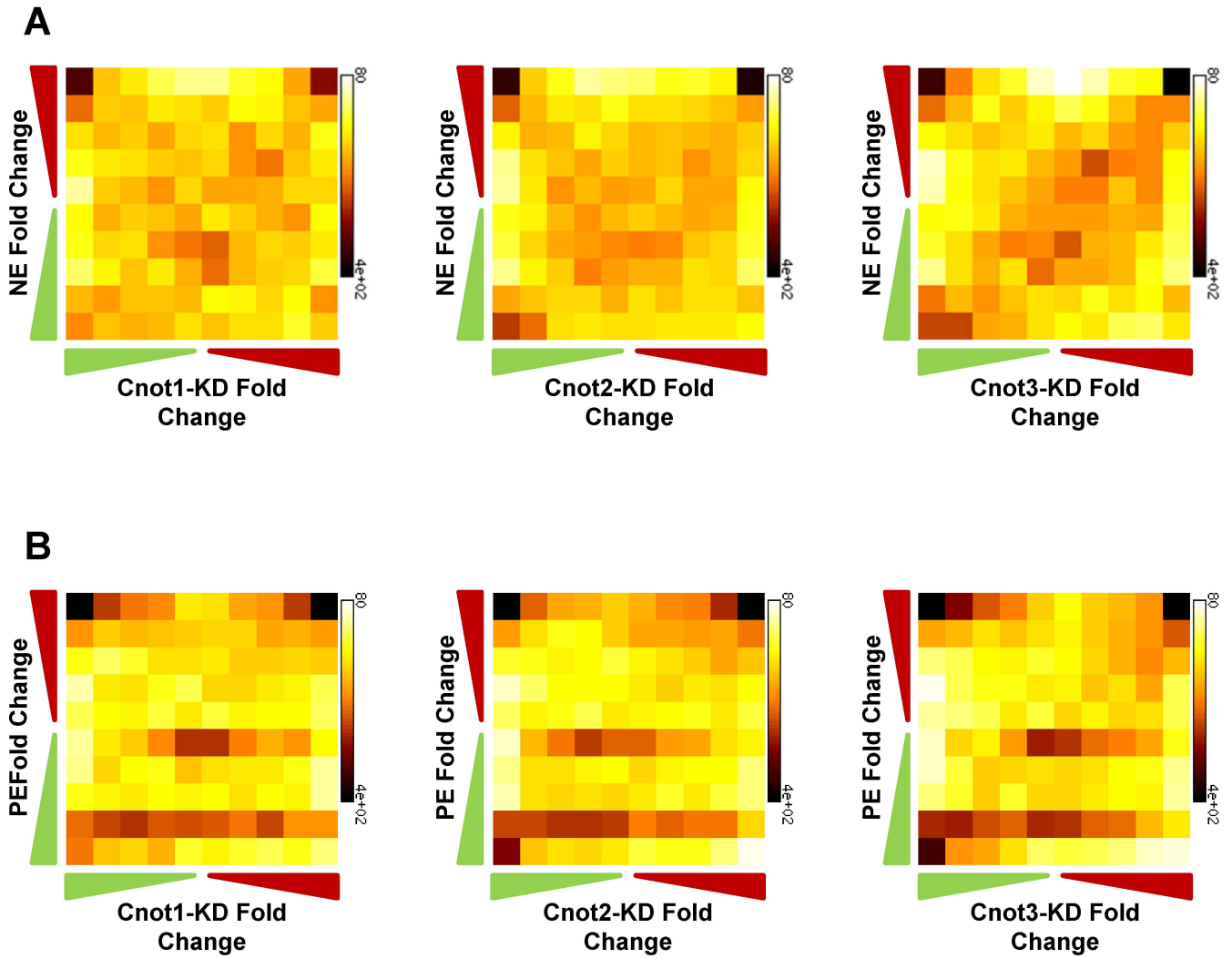


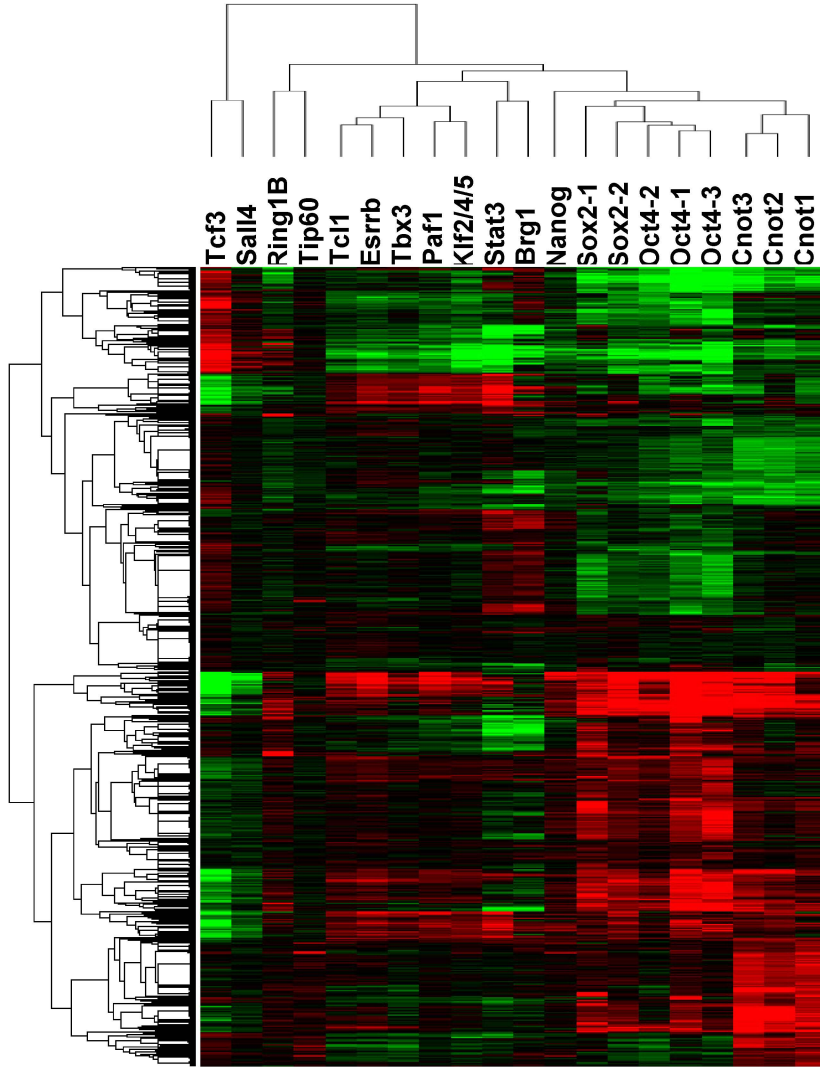
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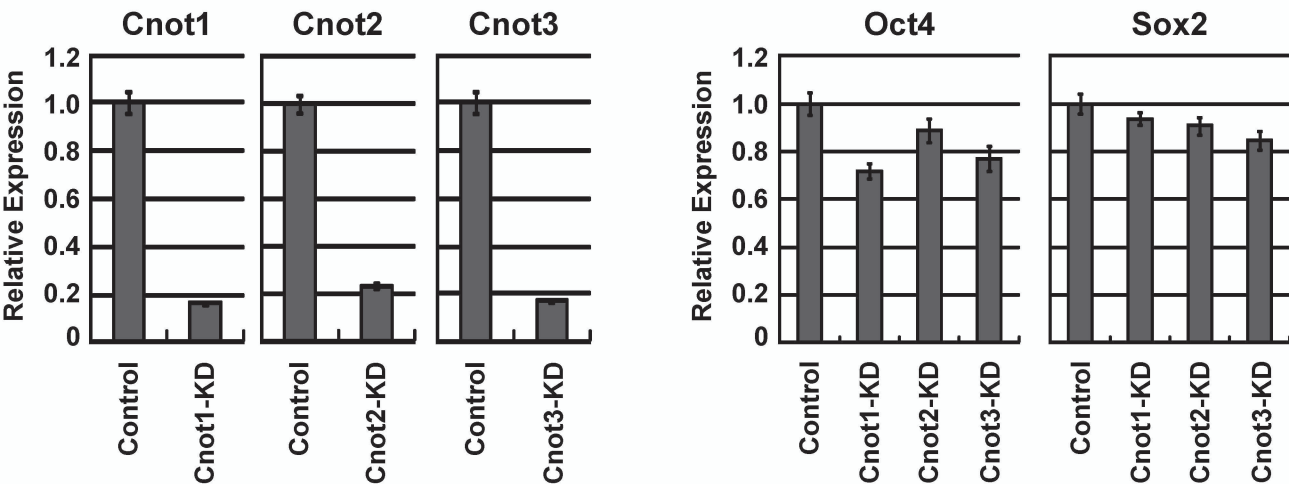
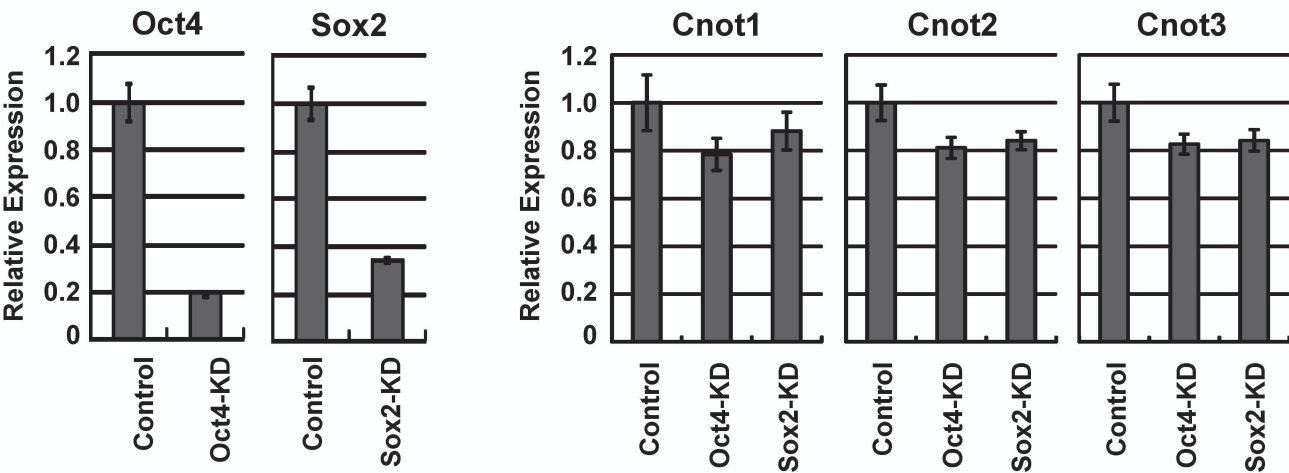


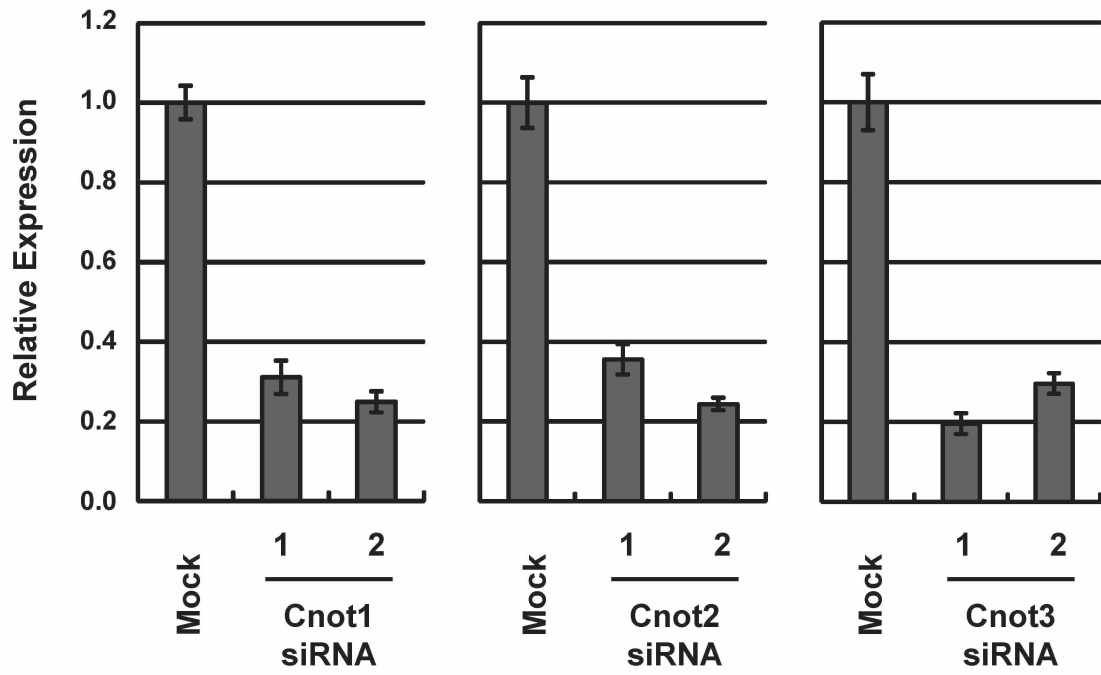
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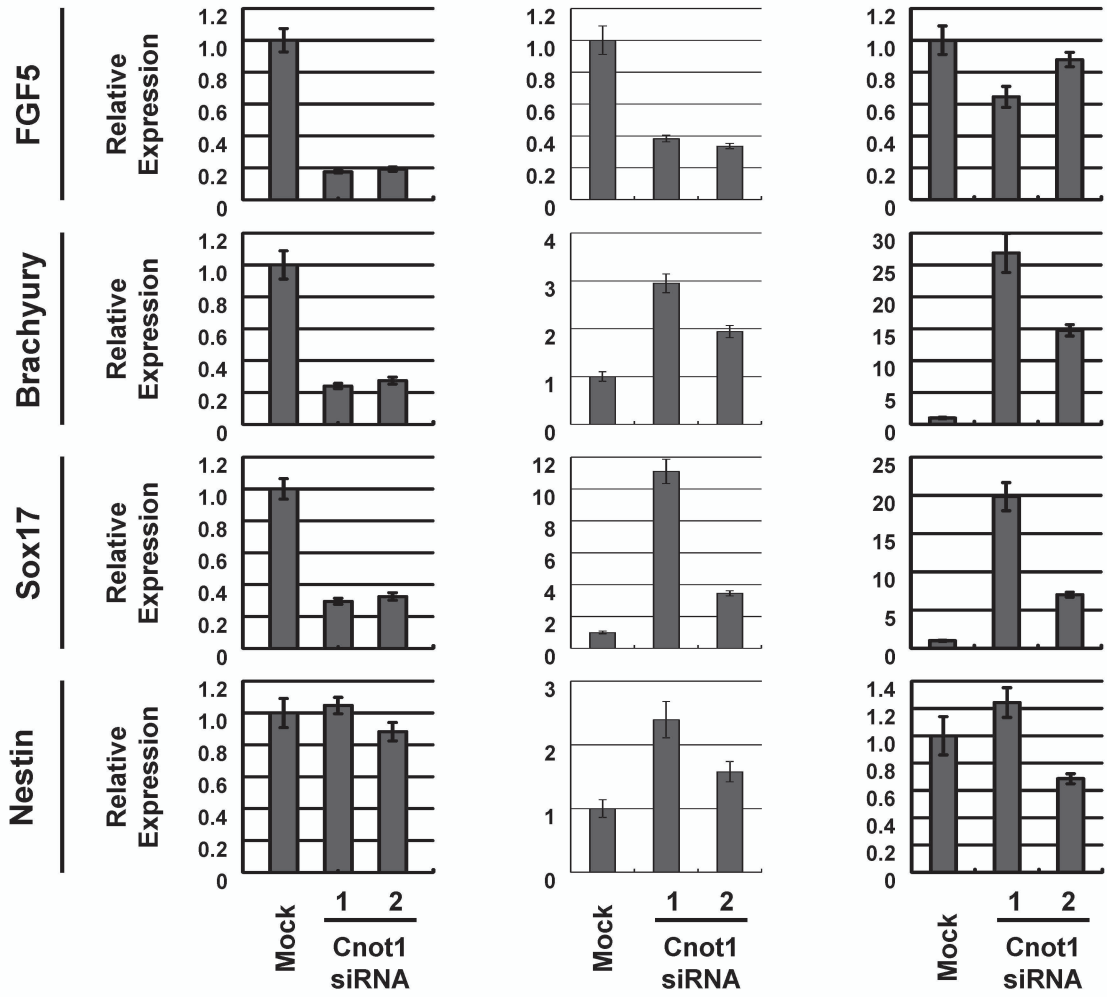




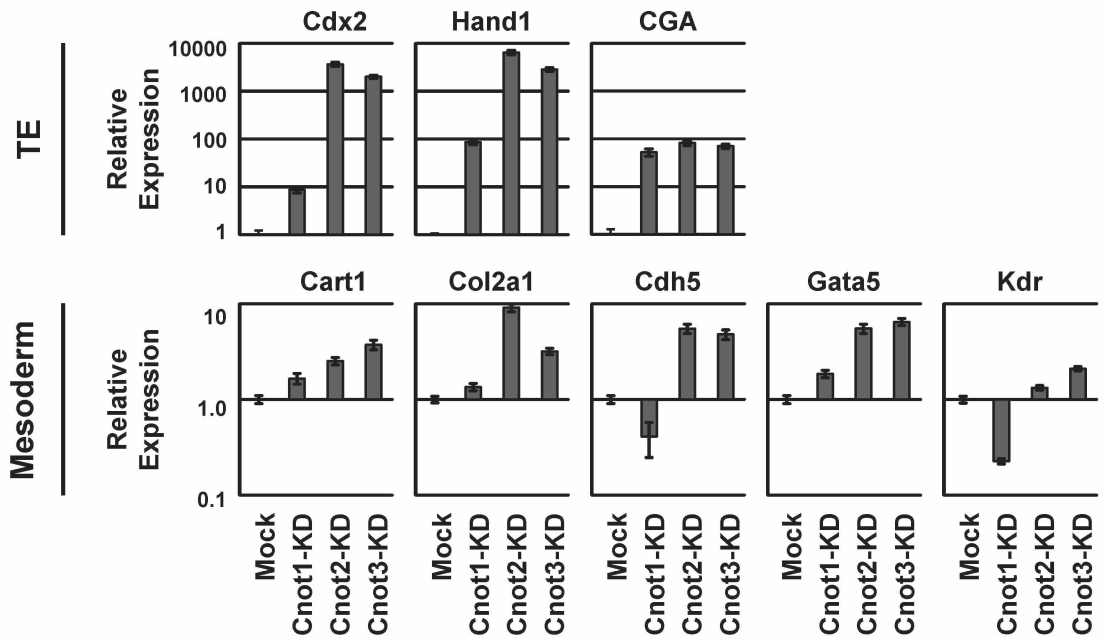
A**B**

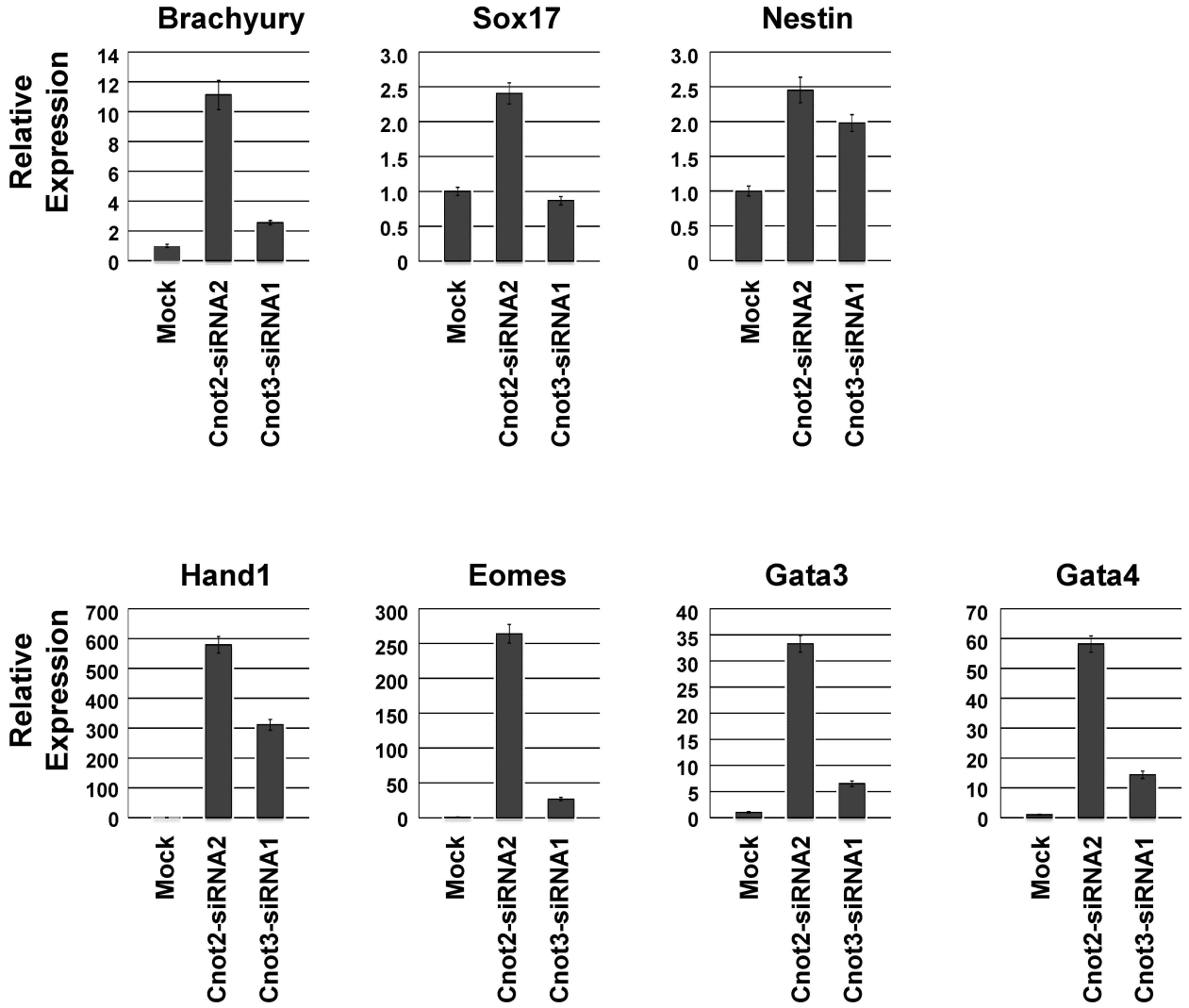


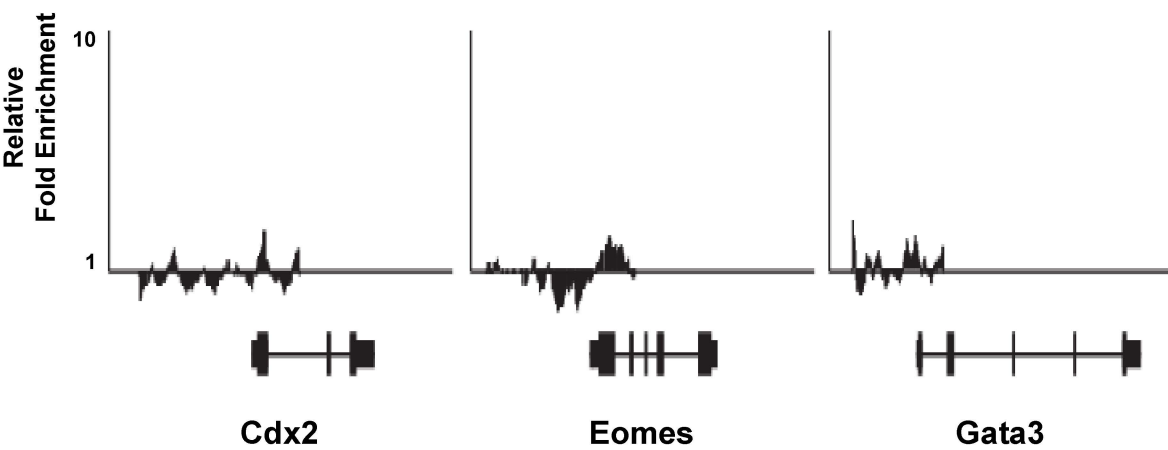
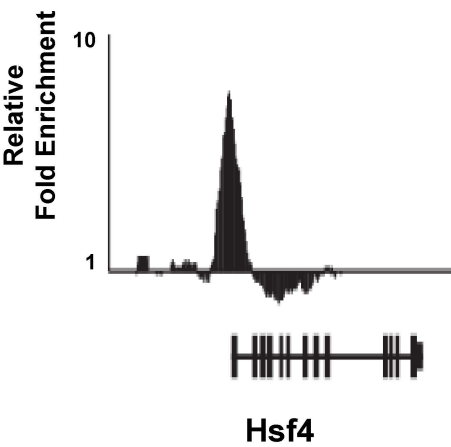
A



B







Supplemental Table 1:

Gene	Primer	Sequence
mAqp3	Aqp3-L	ctggggaccctcatcct
	Aqp3-R	tggtgaggaagccacat
mKrt	Krt8-L	agttcgctccttcattgac
	Krt8-R	gctgcaacaggctccact
mTcfap2c	Tcfap2c-L	gtatgaagaggattgcgagga
	Tcfap2c-R	cgggactgtagagatggtgtcc
mFoxd3	Foxd3-L	ccccaaactgaccaacag
	Foxd3-R	gtttgctccgccagctta
mLin28	Lin28-L	acatgcagaagcgaagatcc
	Lin28-R	ccttgcatgatggtctagc
mTcl1	Tcl1-L	gctgcccgtagtcacaaag
	Tcl1-R	agctcccccaagggtgac
mOct4	Oct4-L	tgaggctacaggacaccttc
	Oct4-R	gtgccaaagtggggacct
mNanog	Nanog-L	ttctgcttacaagggtctgc
	Nanog-R	agaggaagggcgaggaga
mSox2	Sox2-L	tgctgcctcttaagactaggg
	Sox2-R	tcgggctccaaactctct
mEsrrb	Esrrb-L	cgattcatgaaatgcctcaa
	Esrrb-R	cctcctcgaactcgggtca
mCdx2	Cdx2-L	ctgccacactgggctct
	Cdx2-R	cttgctctcgggttctg
mGata3	Gata3-L	atcaagcccaagcgaaggctgc
	Gata3-R	tggtggtggtggtctgacagttcg
mEomes	Eomes-L	acccgacctccctgctatg
	Eomes-R	gtgggctcattctggatgct
mBrachyury	Brachyury-L	cagcccactactggctcta
	Brachyury-R	gagcctggggtgatggta
mHand1	Hand1-R	tctggctcgtctctctgctc
	Hand1-L	ctcgagaaggcatcagggtga
mFoxa2	Foxa2-R	cgagctaaaggagcacct
	Foxa2-L	taatggtgctcgggcttc
mFgf5	Fgf5-R	gttccagtggagcccttc
	Fgf5-L	gagacacagcaaatattccaaaa
mGoosecoid	Goosecoid-R	gagacgaagtaccagacgtg
	Goosecoid-L	ggcggttcttaaacagacc
mTead4	Tead4-R	atgccttcttctgtgaagtctgg
	Tead4-L	tcgtagagcaggtgataatcatgtctcc

mGata4	Gata4-R	ggaagacaccccaatctcg
	Gata4-L	catggccccacaattgac
mGata6	Gata6-R	ggtctctacagcaagatgaatgg
	Gata6-L	tggcacaggacagtccaag
mSox1	Sox1-R	ggagaccgacctgcactc
	Sox1-L	atcctggttgccttgg
mNestin	Nestin-R	ctgcaggccactgaaaagtt
	Nestin_L	gaccctgcttctctctctc
mSox17	Sox17-R	tcagccttctatttccccaagaggtc
	Sox17-L	agaccgaccccgagctctgctatg
hOct4	hOct4 -L	TGCCGTGAAACTGGAGAAG
	hOct4 -R	GCTTGGCAAATTGTTTCGAGT
hTubulin	hTubulin-L	TTACCTCGACTCTTAGCTTGTCG
	hTubulin-R	GGATGGAGATGCACTCACG
hCnot2	hCnot2-L	GGTAACCCAACTCCATTAATAAACC
	hCnot2-R	TGCTGGTTTTGTTACCATTCC
hCnot3	hCnot3-L	CTGTGCGGATACGCTCCT
	hCnot3-R	TCTCTTCATACTCTCTTGGAGACG
hNestin	hNestin-L	TGCGGGCTACTGAAAAGTTC
	hNestin-R	TGTAGGCCCTGTTTCTCCTG
hCdx2	hCdx2-L	ATCACCATCCGGAGGAAAG
	hCdx2-R	TGCGGTTCTGAAACCAGATT
hSox17	hSox17 -L	ACGCCGAGTTGAGCAAGA
	hSox17 -R	TCTGCCTCCTCCACGAAG
hBrachyury	hBrachyury-L	GGGTCCACAGCGCATGAT
	hBrachyury-R	TGATAAGCAGTCACCGCTATGAA
hEomes	hEomes-L	ATCATTACGAAACAGGGCAGGC
	hEomes-R	CGGGGTTGGTATTTGTGTAAGG
hGoosecoid	hGoosecoid-L	CCTCCGCGAGGAGAAAGT
	hGoosecoid-R	CGTTCTCCGACTCCTCTGAT
hGata4	hGata4-L	GGAAGCCCAAGAACCTGAAT
	hGata4-R	GTTGCTGGAGTTGCTGGAA
hHand1	hHand1-L	AACTCAAGAAGGCGGATGG
	hHand1-R	GGAGGAAAACCTTCGTGCT
hGata3	hGata3-L	CTCATTAAGCCCAAGCGAAG
	hGata3-R	GTCTGACAGTTCGCACAGGA
hGata6	hGata6-L	GCGGGCTCTACAGCAAGA
	hGata6-R	TGGCACAGGACAATCCAAG
hFgf5	hFgf5-L	TCCAACCTCCCTGGTTTAAGG
	hFgf5-R	CGTGGTGGCATGAGTCTGTA
hActin	hActin-L	CCAACCGCGAGAAGATGA

	hActin-R	CCAGAGGCGTACAGGGATAG
hCart1	hCart1-L	ACTATAAAAGGTGGGAGCGC
	hCart1-R	ACACGTCAAGGGGGTCGAGA
hCga	hCGA-L	GTTTCTGCATGTTCTCCATTC
	hCGA-R	GTGGACTCTGAGGTGACG
hCol2A1	hCol2A1-L	TGGCCTGAGACAGCATGAC
	hCol2A1-R	AGTGTTGGGAGCCAGATTGT
hGata5	hGata5-L	GAACAGCCTGGAACAGACCA
	hGata5-R	TCCCTCACCAGCCTTCTTGC
hKdr	hKDR-L	GAACATTTGGGAAATCTCTTGC
	hKDR-R	CGGAAGAACAATGTAGTCTTTGC
hCdh5	hCdh5-L	AAGCCTCTGATTGGCACAGT
	hCdh5-R	CTGGCCCTTGTCAGTGGT

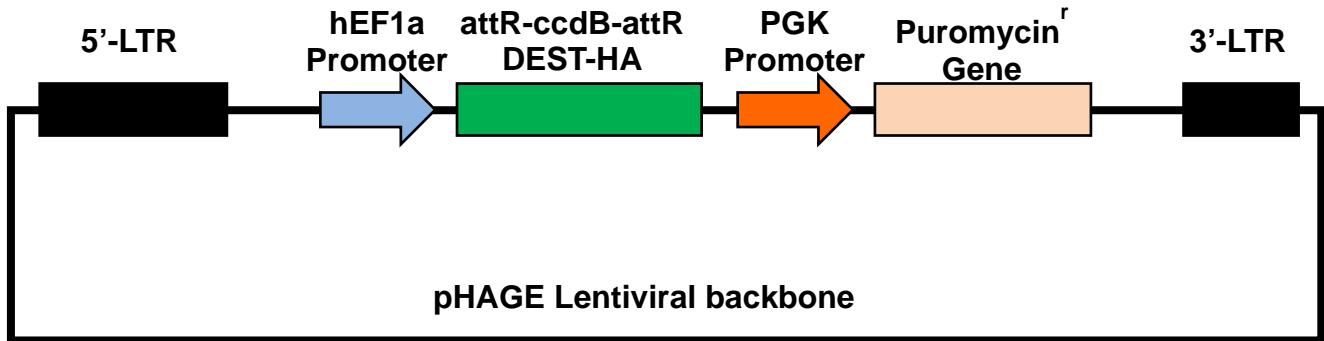
Supplemental Table 2:

Citation	PMID	Accession	Gene(s)
Loh et al. (2006)	16518401	GSE4189	Oct4 (Oct4-1), Nanog KD
Ivanova et al. (2006)	16767105	GSE4679	Oct4 (Oct4-2), Sox2 (Sox-2), Tc11, Esrrb, Tbx3 KD
Masui et al. (2007)	17515932	GSE5895	Sox2 KO (Sox2-1)
Jiang et al. (2008)	18264089	GSE9775	Klf2,4,5 triple KO
Fazzio et al. (2008)	18614019	GSE11240	Tip60 KD
Lim et al. (2008)	18804426	GSE12482	Sall4 KD
Ding et al. (2009)	19345177	GSE12078	Paf1 KD
Leeb et al. (2010)	20123906	GSE19076	Ring1B KO
Merrill et al. (2011)	21685894	GSE27455	Tcf3 KO
Ho et al. (2011)	21785422	GSE27708	LIF starvation (Stat3)
Ho et al. (2009)	19279218	GSE14344	Brg1 KO
Nishiyama et al. (2009)	19796622	GSE16148	Cdx2 overexpression (72 hr)
Aiba et al. (2009)	19112179	GSE11523	Gata6 (G4), N2B27 (N4)

Note: Microarray data of Oct4 silencing in Oct4GiP cells generated by Dr. Raja Jothi and Guang Hu (Oct4-3) were used in the analysis. The raw data will be described elsewhere.

Vector Maps:

pHAGE-EF-HA-Puro-DEST



pHAGE-EF-HA-Neo-DEST

