

Supplementary Table S1 Oligonucleotide sequences used for quantitative real-time PCR validation

	Gene Symbo	Official Full Name	Primers Sequences
nCounter Stem Cell	FOXD3	forkhead box D3	Forward: GCAACTACTGGACCCTGGAC Reverse: CTGTAAGCGCCGAAGCTCT
	FZD10	frizzled class receptor 10	Forward: GCTCAAGTGCTCCCCGATTA Reverse: GCCTCCATGCACAGGTAGTT
	GAS1	growth arrest specific 1	Forward: GTCAACTTGGTGTAGCCGGT Reverse: GTTCTGTCCCCACATGCTT
	WNT3	Wnt family member 3	Forward: AGGACAAGTATGACAGCGCC Reverse: GGTGGCTTGAAGAGCGAGTA
	NOTCH4	notch 4	Forward: ATGCGAGGAAGATACGGAGTGG Reverse: TCGGAATGTTGGAGGCAGAAC
	OCT4	POU class 5 homeobox 1	Forward: GGAAGGTATTCAGCCAAACGACCA Reverse: CTCACTCGGTTCTCGATACTGGTT
	GDF3	growth differentiation factor 3	Forward: GGTGGTGACTCTCAACCCTG Reverse: GGCAATGATCCACTTGTGCC
	NANOG	Nanog homeobox	Forward: CTGCAGAGAAGAGTGTGCGA Reverse: CCTTCTGCGTCACACCATTG
	MAPK10	mitogen-activated protein kinase 10	OriGene Technologies, Rockville, MD
nCounter Customized	CRIPTO-1 /TDGF-1	teratocarcinoma-derived growth factor 1	Forward: CACGATGTGCGCAAAGAGAA Reverse: TGACCGTGCCAGCATTTACA
	FOXC2	forkhead box C2	Forward: GCCTAAGGACCTGGTGAAGC Reverse: TTGACGAAGCACTCGTTGAG
	SOX17	SRY-box 17	Forward: TTCGTGTGCAAGCCTGAGAT Reverse: TAATATAACGCGGAGCTGGC
	T	T brachyury transcription factor	Forward: GCGCGAGAACAGCACTACTA Reverse: GACCAAGACTGTCCCCGCTC
	AFP	alpha fetoprotein	Forward: TGCAGCCAAAGTGAAGAGGGAAGA Reverse: CATAGCGAGCAGCCCAAAGAAGAA
	GATA3	GATA binding protein 3	Forward: CCTAAGGTGGTTGTGCTCGG Reverse: CACAGGCTGCAGGAATAGGG
	KIT	KIT proto-oncogene receptor tyrosine kinase	Forward: CTTTCAACTTGCATCCA ACTCC Reverse: CCATACCTCCCTCTCTTTTCC
	SOX2	SRY-box 2	Forward: GGATAAGTACACGCTGCCCCG Reverse: ATGTGCGCGTAACTGTCCAT
NODAL	nodal growth differentiation factor	Forward: AGGGCGAGTGTCTAATCTCT Reverse: ACGTTTCAGCAGACTCTGGAT	
Endogenous Gene	HPRT	hypoxanthine phosphoribosyltransferase 1	Forward: TGACTACTGGCAAACAATGCA Reverse: GGTCTTTTTACCAGCAAGCT