

**Supplementary Table 1 Primers and cycling condition**

Target gene	Primer name	Primer sequence	Tm	Annealing	Cycles	Product
BC027881.1	AFP_Fwd	CATGTCCTACATATGTTCTC	56	50	35	161bp
	AFP_Rvs	CTCTATCTCCTAAAAACCTG	56			
NM_000477.5	ALB_Fwd	TGCTTGAATGTGCTGATGACAGGG	62.3	57	30	162bp
	ALB_Rvs	AAGGCAAGTCAGCAGGCATCTCATC	64.3			
NM_002701.4	OCT4_Sns	GAAGGTATTCAGCCAAAC	52	46	36	646bp
	OCT4_Anti	CTTAATCCAAAAACCTG	50			
NM_024865.2	Nanog_Sns	CAGAAGGCCTCAGCACCTAC	64	57	35	215bp
	Nanog_Anti	CTGTTCCAGGCCTGATTGTT	60			
BC012089.1	Promin1_Fwd	AGTGACTCAGGCGGGCACCA	66	58	35	548bp
	Promin1_Rvs	TGGCTTTTGCATGCCATTTCCAAG	60.3			
NM_001773.2	CD34_Fwd	CCTCCCTCACCCCTGAGCCCC	70	60	35	153bp
	CD34_Rvs	GGATCCCTGTTCAACCCCTCTGGA	65.3			
NM_002276.4	CK19_Fwd	CGCGGCGTATCCGTGTCCTC	68	60	35	356bp
	CK19_Rvs	GCCAGACGGGCGTTGTGCGAT	66			
NM_000224.4	CK18_Fwd	CGTCGTCCGCAAAGCCTGAGT	64.3	60	35	327bp
	CK18_Rvs	AGAGGCCAGGCGGTCTGTTCA	66			
NM_001904.3	β-catenin_F	AGCAAACCCTAGCCTTGCTTGTT	57.1	56	35	510bp
	β-catenin_R	ACCGCATTTTCTCTTGAAGCATCGT	57.8			
NM_017617.3	Notch1_F	GATCGAGGAGGCGTGCGAGC	60	62	35	245bp
	Notch1_R	CTTCCGCACGCTGGCAGTCA	60			
NM_005631.4	SMO_F	CTTGCCGACAGGGAGCGTGG	60	62	30	927bp
	SMO_R	GCAGCGAGGGGAGGGGGTTA	60			
NM_005180.8	Bmi1_F	ACCTCCAGCCCCGCAGAAT	60	60	35	315bp
	Bmi1_R	AATGCGAGCCAAGCGGCCAT	60			
NM_006288.3	CD90_F	ACTGTGGGGGTGCCTGAGCA	60	60	35	876bp
	CD90_R	TGTGGCTGAGAATGCTGGAGATGC	59			
NM_000222.2	CD117_F	ACAAAGAGCAAATCCATCCCCACAC	58	65~50	50	464bp
	CD117_R	GGTGGGCCCTCCAATGGTGC	60			
NM_002406	GAPDH_Fwd	TGTTGCCATCAATGACCCCTT	57	55	25	211bp
	GAPDH_Rvs	CTCCACGACGTACTCAGCG	57			
	TrxR2_Fwd	GCAGGCCAAGTTACTCAAGG	62	58	30	169bp
	TrxR2_Rvs	CTTACCCTCAGCAGCCTGTC	64			