

Supplement Table 1. Alcohol prevented these genes from hypermethylation during differentiation

Genbank ID	Gene.symbol	Description
NM_017270	Adh4	alcohol dehydrogenase 4 (class II), pi polypeptide
NM_017191	Adra1a	adrenergic receptor, alpha 1a
NM_001031654	Anxa8	annexin A8
NM_019158	Aqp8	aquaporin 8
NM_022960	Aqp9	aquaporin 9
BC088147	Ca5a	carbonic anhydrase 5a, mitochondrial
NM_080773	Chrm1	cholinergic receptor, muscarinic 1
NM_207615	Clcf1	cardiotrophin-like cytokine factor 1
NM_182473	Corin	corin
XM_236253	Crabp1_mapped	cellular retinoic acid binding protein 1 (mapped)
NM_001002809	Crebl1	cAMP responsive element binding protein-like 1
XM_220869	Dlx3_predicted	distal-less homeobox 3 (predicted)
XM_234930	Edg6_predicted	endothelial differentiation, lysophosphatidic acid G-protein-coupled receptor 6 (predicted)
NM_001007554	Fblim1	filamin binding LIM protein 1
NM_001013138	Fbxo23	F-box only protein 23
NM_001003974	Gpsm3	G-protein signalling modulator 3 (AGS3-like, C. elegans)
NM_032990	Gria3	glutamate receptor, ionotropic, AMPA3 (alpha 3)
NM_032069	Grip1	glutamate receptor interacting protein 1
NM_017112	Hpn	hepsin
NM_022583	Insl6	insulin-like 6
M26161	Kcna1	subfamily, member 1
NM_053771	Lim2	lens intrinsic membrane protein 2
NM_001024742	LOC289482	similar to MGC10646 protein
XM_001061901	LOC291746	similar to Elongation factor 2 (EF-2)
XM_001054638	LOC366515	similar to Wdr8 protein
NM_001025038	LOC499465	hypothetical protein LOC499465
NM_001024343	LOC500445	similar to hypothetical protein 4931430D02
NM_001024344	LOC500449	similar to SHP2-interacting transmembrane adaptor protein
NM_019384	LOC56081	CTD-binding SR-like rA1
XM_001060034	LOC681037	hypothetical protein LOC681037
XM_001073690	LOC690212	similar to solute carrier family 16, member 5
XM_001078541	LOC691496	similar to histone 1, H2ai (predicted)
NM_001037794	MGC125233	similar to Gene model 443
NM_181822	Ncr3	natural cytotoxicity triggering receptor 3
NM_001004070	Ng3	Ng3 protein

NM_001009681	Oasl1	2-5 oligoadenylate synthetase-like 1
NM_024126	Odf1	outer dense fiber of sperm tails 1
NM_017213	Odf2	outer dense fiber of sperm tails 2
NM_001000423	Olr1106_predicted	olfactory receptor 1106 (predicted)
XM_340798	P4ha2_predicted	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha II polypeptide (predicted)
XM_215701	Papss1_predicted	3-phosphoadenosine 5-phosphosulfate synthase 1 (predicted)
NM_138543	Pde9a	phosphodiesterase 9A
NM_013005	Pik3r1	phosphatidylinositol 3-kinase, regulatory subunit, polypeptide 1
XM_344756	Pou4f2	POU domain, class 4, transcription factor 2
XM_344675	Pou4f3_predicted	POU domain, class 4, transcription factor 3 (predicted)
NM_001002855	Prm3	protamine 3
NM_182949	Prss27	protease, serine 27
XM_001062978	Ptpnc1	protein tyrosine phosphatase, receptor type, C
NM_001013427	Rarres2	retinoic acid receptor responder (tazarotene induced) 2
XM_216027	RGD1306233_predicted	similar to hypothetical protein MGC29761 (predicted)
NM_001014116	RGD1307381	similar to RIKEN cDNA 2610003J06
XM_574348	RGD1559613_predicted	RGD1559613 (predicted)
XM_345031	RGD1559756_predicted	similar to tolloid-like-2 protein (predicted)
XM_346362	RGD1561261_predicted	similar to tolloid-like-2 protein 2 (the cerebellum 3) (predicted)
XM_574375	RGD1563892_predicted	similar to MGC15476 protein (predicted)
XM_223466	RGD1564950_predicted	similar to Hypothetical protein, MNCb-2622 (predicted)
XM_224926	RGD1566335_predicted	similar to FKSG89 (predicted)
NM_053764	Rgs14	regulator of G-protein signaling 14
NM_001011904	Rnf10	ring finger protein 10
XM_223534	Sh3bp2	SH3-domain binding protein 2
NM_001002852	Spata4	spermatogenesis associated 4
NM_199088	Stk22s1	serine/threonine kinase 22 substrate 1
XM_341215	Tbc1d1_predicted	TBC1 domain family, member 1 (predicted)
NM_012675	Tnf	tumor necrosis factor (TNF superfamily, member 2)
NM_001008881	Tpil4	trypsin protease inhibitor-like 4
NM_001004278	Tsga10ip	testis specific 10 interacting protein
NM_022589	Tspan2	tetraspanin 2
NM_133526	Tspan8	tetraspanin 8
NM_001039163	Tusc5	tumor suppressor candidate 5
NM_173147	Vps54	vacuolar protein sorting 54 (yeast)
XM_575403	Wnt16	wingless-related MMTV integration site 16
NM_001004444	Zbtb1	zinc finger and BTB domain containing 1