

Table 4. Genes differentially expressed ≥ 10 -fold between donor cells and NT embryos

Up-Regulated in NT Embryos				Up-Regulated in Donor Cells			
Symbol	Seq. Identifier	UniGene ID*	Fold Δ^{\dagger}	Symbol	Seq. Identifier	UniGene ID*	Fold Δ^{\dagger}
<i>KRT18</i>	BF045923	Hs.406013	116.5	<i>CTSK</i>	AW464548	Hs.83942	81.5
<i>GCNT2</i>	AW465114	Hs.934	49.5	<i>FMOD</i>	AW462954	Hs.442844	79.2
	BF044514	Hs.519367	42.3	<i>C8orf4</i>	BF041835	Hs.283683	73
<i>GCA</i>	BF042173	Hs.377894	41.2	<i>DDR2</i>	BF040874	Hs.440905	71.2
	AW466184	Hs.491848	40.8	<i>CAV1</i>	BF045543	Hs.74034	67.9
<i>CD48</i>	BF043735	Hs.901	39.1	<i>DCN</i>	AW464991	Hs.156316	62.6
<i>FLJ20171</i>	BF045047	Hs.24743	34.1	<i>FLRT2</i>	BF045130	Hs.48998	61.8
<i>PTGS2</i>	AW462092	Hs.196384	31.6	<i>COL3A1</i>	AW464442	Hs.443625	51.1
<i>RANBP3</i>	BF039596	Hs.176657	31.6	<i>CD47</i>	BF042652	Hs.446414	48.4
	BF041834	Bt.23516	29.3	<i>SCA1</i>	BF044458	Hs.434961	47.6
<i>MAD2L1</i>	BF039606	Hs.79078	28.7	<i>COL1A2</i>	BF041697	Hs.232115	45.6
	BF040595	Bt.23516	26.7	<i>EPAS1</i>	AW461996	Hs.8136	43.8
<i>AQP3</i>	BF040026	Hs.234642	26.4		BF042469	TC191194	43.5
<i>RHPN2</i>	BF042073	Hs.335798	26.2		AW463280	Bt.22083	39.4
<i>T1A-2</i>	BF041289	Hs.468675	25.6	<i>FHL1</i>	BF040253	Hs.421383	32.9
	BM365311	Bt.10879	24.5	<i>PDGFC</i>	BF045152	Hs.43080	31.4
<i>FLJ22761</i>	BF039994	Hs.445459	24.2		AW463041	Hs.193784	30.2
<i>FLJ21816</i>	BF043478	Hs.444664	23.8	<i>PLS3</i>	AW462747	Hs.430166	28.6
<i>ENPEP</i>	AW466079	Hs.435765	23	<i>ARHGAP9</i>	BF041844	Hs.437126	28.4
<i>LRP2</i>	AW464520	Hs.252938	22.8	<i>TIMP3</i>	AW466116	Hs.245188	26.9
<i>KIF4A</i>	BM362620	Hs.279766	22.4	<i>ME1</i>	BF041340	Hs.14732	25.8
<i>F11R</i>	AW464837	Hs.414880	22.2	<i>FLJ90798</i>	BF039909	Hs.28264	25.7
	BF039365	Bt.10169	21.4		BF041028	TC212143	24.9
<i>GALNT3</i>	AW463251	Hs.278611	20.6	<i>FSTL1</i>	BF044377	Hs.433622	24.8
<i>ODC1</i>	BF043697	Hs.443409	20.1	<i>FBLN5</i>	BF044875	Hs.11494	24.7
<i>TMG4</i>	BF041033	Hs.471695	19.3	<i>FLJ14525</i>	AW464986	Hs.26812	24.5
	BM362357	Bt.20905	17.1	<i>SPTBN1</i>	BF042525	Hs.205401	24
<i>DNMT3B</i>	AW464642	Hs.251673	16.6	<i>TIMP3</i>	AW462558	Hs.245188	23.9
<i>SLC7A8</i>	AW464251	Hs.22891	16.5	<i>EGR1</i>	AW465088	Hs.326035	23.4
<i>LOC55971</i>	BF045001	Hs.23449	16.2	<i>CD44</i>	BF045864	Hs.306278	23
	AW463193		15.7	<i>RPS9</i>	AW463130	Hs.139876	22.9
	BM366853	BM366853	15.4	<i>AKAP2</i>	BF041120	Hs.42322	21.9
<i>EFNB2</i>	AW465656	Hs.30942	15.3	<i>ETV5</i>	BF039090	Hs.43697	21.8
<i>SORD</i>	AW465736	Hs.878	15.1	<i>ANXA5</i>	BF041575	Hs.145741	21.8
<i>TACSTD1</i>	AW461992	Hs.692	15.1	<i>MBNLI</i>	AW465357	Hs.28578	21.5
<i>IQGAP2</i>	AW464325	Hs.373980	15	<i>CIS</i>	BF044250	Hs.458355	21.1
	BF042668	BF042668	15	<i>TGFBR2</i>	AW462227	Hs.82028	20.7
<i>C21orf45</i>	AW463565	Hs.49932	15	<i>NT5E</i>	AW465608	Hs.153952	20.3
	BF039937	Hs.504172	14.6	<i>PLAGL1</i>	BF042359	Hs.132911	19.6
<i>TACSTD2</i>	AW464668	Hs.23582	14.2	<i>BHLHB2</i>	AW462121	Hs.171825	18.6
<i>Cd48</i>	BM365897	Mm.1738	14	<i>QSCN6</i>	AW464672	Hs.77266	18.6
<i>FLJ20273</i>	AW461481	Hs.95549	13.9	<i>MMP2</i>	BF039163	Hs.367877	18.1
<i>CDC20</i>	AW463493	Hs.82906	13.8		AW465165	Hs.102495	18
	BF040144	Bt.6457	13.5	<i>RAB31</i>	AW464597	Hs.223025	17.8
<i>GATA2</i>	BF043343	Hs.367725	13.3	<i>PPIC</i>	AW464749	Hs.110364	17.6
<i>VGLL1</i>	AW464366	Hs.9030	13.2		BF042149	Hs.435132	17.6
<i>LEMD2</i>	BF045537	Hs.444845	13	<i>FOS</i>	AW462661	Hs.25647	17.4
<i>SLC2A1</i>	AW463536	Hs.169902	13	<i>VIM</i>	BF042212	Hs.435800	17.3

<i>SLC39A8</i>	BF045137	Hs.284205	12.9	<i>Ells1</i>	BF045063	Hs.7913	16.8
<i>LOC284379</i>	BF041114	Hs.405866	12.7	<i>SPP1</i>	BF042926	Hs.313	16.4
<i>SPIC</i>	BM365637	Hs.511791	12.5	<i>LY96</i>	BM366661	Hs.69328	16.2
<i>PGA5</i>	AW465124	Hs.432854	12.4	<i>IFNGR2</i>	BF043722	Hs.409200	16
<i>ZFP29</i>	BF046066	Hs.444502	12.4	<i>AFG3L1</i>	BF044093	Hs.337620	15.4
<i>KIAA1935</i>	BF039434	Hs.438789	12.4	<i>TNC</i>	BF039202	Hs.98998	15.2
<i>IQGAP2</i>	BF045795	Hs.373980	12.3	<i>CCL26</i>	BM365027	Hs.131342	14.7
	AW463423	TC211021	12.2	<i>GL009</i>	AW462657	Hs.24054	14.7
<i>TJP2</i>	BF045365	Hs.75608	12.1	<i>GATA3</i>	BF046526	Hs.169946	14.6
<i>NASP</i>	BF039280	Hs.446206	12.1	<i>KIAA1340</i>	AW461890	Hs.284270	14.6
<i>SLC7A8</i>	AW462183	Hs.22891	12.1	<i>NBL1</i>	BF039753	Hs.439671	13.8
<i>SLC2A14</i>	AW463170	Hs.401274	12	<i>CCL2</i>	AW462597	Hs.303649	13.8
	BF044039	TC194474	11.9		AW463374	Bt.13829	13.8
<i>BASP1</i>	AW462896	Hs.511745	11.8		BF045509	Hs.33032	13.6
<i>GPR126</i>	BF043001	Hs.249747	11.7	<i>PEPD</i>	BF041804	Hs.444207	13.5
<i>MLP</i>	AW464012	Hs.75061	11.6	<i>WNT4</i>	AW462911	Hs.302428	13.4
<i>TIMM23</i>	BF043914	Hs.11866	11.6	<i>DPYSL2</i>	BM362088	Hs.173381	13
<i>MRPL48</i>	BF039118	Hs.82389	11.5	<i>SERPINE1</i>	BF044893	Hs.414795	13
<i>CGI-41</i>	BF044044	Hs.512597	11.3	<i>CSDA</i>	AW462503	Hs.221889	13
<i>SLC25A5</i>	AW463693	Hs.79172	11.1	<i>MITF</i>	BF040850	Hs.166017	12.9
<i>INADL</i>	AW462529	Hs.436450	10.6	<i>PTOV1</i>	BF042680	Hs.227429	12.8
<i>SOAT1</i>	AW466137	Hs.446331	10.4	<i>CIR</i>	BM365265	Hs.308680	12.6
<i>SPEC2</i>	AW462199	Hs.5985	10.3	<i>MANIC1</i>	BF041990	Hs.8910	12.4
<i>SLC25A5</i>	AW463135	Hs.79172	10.3	<i>UBE2VI</i>	BF046628	Hs.381025	12.4
	BF042046		10.3	<i>ERG</i>	AW463645	Hs.45514	12.3
<i>TACCI</i>	BF041576	Hs.279245	10.2		AW463223	Hs.19218	12.3
<i>DAPPI</i>	BF043679	Hs.62643	10.1	<i>SPARC</i>	BF039331	Hs.111779	11.7
<i>CYCS</i>	AW464135	Hs.437060	10	<i>CHSI</i>	AW462482	Hs.130188	11.7
				<i>PTPNSI</i>	BF044338	Hs.156114	11.6
				<i>RIG</i>	AW462599	Hs.278503	11.5
				<i>CHRNBI</i>	BM366037	Bt.5107	10.9
				<i>MAFB</i>	AW461546	Hs.169487	10.8
				<i>NNT</i>	BM364482	Hs.106620	10.8
				<i>FLJ36175</i>	BF042461	Hs.20848	10.7
				<i>SGCE</i>	AW465090	Hs.409798	10.6
				<i>XDH</i>	BM363963	Hs.250	10.4
					AW465686	Bt.13829	10.4

*Some sequences do not have human/mouse UniGene IDs and are annotated with the Cattle UniGene

names or the TIGR Cattle database or are previously unannotated sequences.

†Fold change represents the ratio of the embryos:standard reference divided by the ratio of the donor cells:standard reference.

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