

Supplemental Table 5

Quantitative Significance Analysis of Microarrays comparing gene expression with donor age in implantation biopsies (N=18)

Probe Set ID	UniGene ID	Gene symbol	Score	q-value (%)	Probe sets overlapping with DD/LD SAM analysis
Probe sets lower expressed with increasing donor age (N=270)					
241772_at	hs.677577	PCDH11Y	-3,53	0,00	no
213120_at	hs.620701	KIAA0701	-3,35	0,00	no
231795_at	Hs.44385	STON1	-3,16	0,00	no
1565716_at	hs.513522	FUS	-3,09	0,00	no
242441_at	hs.622537	---	-3,03	0,00	no
216607_s_at	hs.417077	CYP51A1	-3,00	0,00	no
1553066_at	hs.434116	TAAR9	-2,99	0,00	no
203526_s_at	hs.158932	APC	-2,96	0,00	no
1569947_at	hs.684449	PARK2	-2,96	0,00	no
1553579_a_at	hs.2717	SPAG11	-2,95	0,00	no
236714_at	hs.56400	Transcribed locus, moderately similar to XP_509710.1 PREDICTED	-2,95	0,00	no
1561260_at	hs.375797	CDNA clone IMAGE	-2,90	0,00	no
210339_s_at	hs.515560	KLK2	-2,88	0,00	no
241104_at	Hs.655143	SORBS2	-2,86	0,00	no
209921_at	hs.390594	SLC7A11	-2,86	0,00	no
209157_at	hs.368078	DNAJA2	-2,86	0,00	yes
232461_at	hs.386684	AHI1	-2,83	0,00	no
1567253_at	hs.538726	OR10D3P	-2,82	0,00	no
228936_at	hs.217079	Transcribed locus	-2,81	0,00	no
238340_at	hs.632447	WDR42A	-2,81	0,00	no
216091_s_at	hs.643802	BTRC	-2,80	0,00	no
233676_at	hs.661083	GPC6	-2,79	0,00	no
234680_at	hs.307009	KRTAP17-1	-2,78	0,00	no
233349_at	hs.445078	TLK2	-2,78	0,00	no
215755_at	---	LOC51149	-2,77	0,00	no
239314_at	hs.507783	RP11-50D16.3	-2,76	1,67	no
1566037_at	Hs.657950	DGCR7	-2,76	1,67	no
235722_at	hs.443661	SYNJ2BP	-2,74	1,67	no
239687_at	hs.143681	BTBD12	-2,74	1,67	no
1569240_at	hs.301059	ZNF93	-2,74	1,67	no
208379_x_at	hs.37125	NPY2R	-2,72	1,67	no
1552858_at	hs.376011	MAGEB6	-2,72	1,67	no
1556029_s_at	hs.497123	NMNAT2	-2,72	1,67	no
240638_at	hs.666351	PLXNC1	-2,72	1,67	no
215999_at	hs.632233	CDRT1	-2,72	1,67	no
1570621_at	hs.621382	AFF1	-2,71	1,67	no
210868_s_at	hs.412939	ELOVL6	-2,71	1,67	yes
223853_at	hs.221660	BVES	-2,71	1,67	no

238270_x_at	---	---	-2,69	1,67	yes
216967_at	hs.134974	GAP43	-2,69	1,67	no
203400_s_at	hs.518267	TF	-2,69	1,67	no
215614_at	hs.677213	LOC644974	-2,69	1,67	no
236264_at	hs.28391	LPHN3	-2,68	1,67	no
234503_at	hs.669940	EEF1G	-2,68	1,67	no
1561371_at	hs.647162	FLJ39080	-2,68	1,67	no
204213_at	hs.497589	PIGR	-2,66	1,67	no
244649_at	hs.189067	LOC646484	-2,65	1,67	no
216119_s_at	hs.72620	C20orf28	-2,65	1,67	no
216592_at	hs.356870	MAGEC3	-2,65	1,67	no
242348_at	hs.187873	FAM19A4	-2,65	1,67	no
225977_at	hs.591691	PCDH18	-2,64	1,67	no
1556095_at	hs.657273	UNC13C	-2,64	1,67	no
237956_s_at	hs.519749	LOC133874	-2,64	1,67	no
1556374_s_at	hs.662373	ATP binding	-2,63	1,67	no
1555420_a_at	hs.471221	KLF7	-2,63	1,67	no
238730_at	hs.516954	ARHGEF11	-2,62	2,92	no
1558010_s_at	hs.502338	SLC1A2	-2,61	2,92	no
1567378_x_at	hs.655469	DNAH1	-2,61	2,92	no
207400_at	hs.598503	NPY5R	-2,61	2,92	yes
1555727_at	---	---	-2,61	2,92	no
241628_at	hs.666898	EVI1	-2,61	2,92	no
1561565_at	hs.639414	CDNA clone IMAGE	-2,61	2,92	no
236899_at	hs.647784	---	-2,60	2,92	no
211601_at	---	CATR1	-2,60	2,92	no
207452_s_at	hs.656783	CNTN5	-2,60	2,92	no
1566030_at	hs.669082	PHACTR3	-2,60	2,92	no
217051_s_at	hs.404263	SS18	-2,60	2,92	no
237504_at	hs.512627	INTS10	-2,59	2,92	no
1552830_at	hs.368364	FBXO39	-2,59	2,92	no
237982_at	hs.350698	CDNA clone IMAGE	-2,59	2,92	no
237884_x_at	hs.512894	TRPM7	-2,59	2,92	no
1554999_at	hs.591696	RASGEF1B	-2,59	2,92	no
212568_s_at	hs.335551	DLAT	-2,59	2,92	no
243487_at	hs.519313	AFF4	-2,58	2,92	no
1568627_at	hs.516182	SMEK2	-2,58	2,92	no
1555560_at	hs.193226	UGCGL2	-2,58	2,92	no
233854_x_at	hs.218366	KLK4	-2,58	2,92	no
1556874_a_at	hs.465144	RKHD2	-2,57	2,92	no
232451_at	hs.216701	MRNA; cDNA DKFZp564I0816 (from clone DKFZp564I0816)	-2,57	2,92	no
210394_x_at	hs.648298	SSX4	-2,56	2,92	no
1553506_at	hs.684103	CPO	-2,56	2,92	no
1555880_at	hs.631996	HERV-FRD	-2,56	2,92	no
1557886_at	hs.408676	CCDC46	-2,56	2,92	no
238262_at	hs.511956	SPDYA	-2,55	2,92	no
214336_s_at	hs.162121	COPA	-2,55	2,92	no
244154_at	hs.592819	CDNA FLJ34209 fis, clone FCBBF3020599	-2,55	2,92	no
206731_at	hs.632794	CNKSR2	-2,55	2,92	no
238838_at	hs.443465	TCERG1	-2,54	2,92	no
225600_at	hs.440643	DKFZP779L1068	-2,54	2,92	no
231165_at	hs.665710	DDHD1	-2,54	2,92	no

243542_at	hs.444349	PREPL	-2,54	2,92	no
1563260_at	hs.385790	C9orf107	-2,54	2,92	no
215495_s_at	hs.98259	SAMD4A	-2,53	2,92	no
207445_s_at	hs.225946	CCR9	-2,53	2,92	no
215167_at	hs.407604	CRSP2	-2,52	2,92	no
231138_at	hs.247868	TRPC5	-2,52	2,92	yes
1554762_a_at	hs.333179	WWC2	-2,52	2,92	no
1562278_at	hs.655469	DNAH1	-2,52	2,92	no
230992_at	hs.546502	BTNL9	-2,51	2,92	no
1569568_at	hs.686193	PISD	-2,51	2,92	yes
211472_at	hs.3989	PLXNB2	-2,51	2,92	no
1552579_a_at	hs.178748	ADAM21	-2,50	2,92	no
237311_at	hs.668902	DOCK1	-2,50	2,92	no
1556439_at	hs.27908	MRNA; cDNA DKFZp686M1114 (from clone DKFZp686M1114)	-2,50	2,92	no
231852_at	hs.20000	THEX1	-2,50	2,92	no
223420_at	hs.505676	DNAJC14	-2,50	2,92	yes
234515_at	hs.546994	PCGEM1	-2,50	2,92	no
241330_x_at	---	---	-2,49	2,92	no
219302_s_at	hs.655684	CNTNAP2	-2,49	2,92	no
234634_at	hs.677321	EXT1	-2,49	2,92	no
238421_at	hs.533499	MNAB	-2,48	2,92	no
1570180_at	hs.646720	BICC1	-2,48	3,86	no
236711_at	hs.415766	ZIC4	-2,48	3,86	no
234774_at	hs.580807	R3HDML	-2,48	3,86	no
1555000_at	hs.683431	LOC642970	-2,48	3,86	no
1565924_a_at	hs.670388	SLC17A4	-2,48	3,86	no
241016_at	Hs.372286	CUL3	-2,47	3,86	no
235778_s_at	hs.654819	ANKRD44	-2,47	3,86	no
1562497_at	hs.683854	MKL2	-2,47	3,86	no
215816_at	hs.148656	LOC91316	-2,47	3,86	no
214642_x_at	hs.668021	MAGEA5	-2,47	3,86	no
1566151_at	hs.679819	YPEL4	-2,47	3,86	no
224296_x_at	---	---	-2,47	3,86	no
1561076_at	hs.272317	LRP5L	-2,47	3,86	no
1557518_a_at	hs.621450	Full length insert cDNA clone YB25F11	-2,46	3,86	no
1564029_at	hs.665742	USP49	-2,46	3,86	no
1568854_at	hs.526951	CDNA clone IMAGE	-2,46	3,86	no
222972_at	hs.274264	VSX1	-2,46	3,86	no
1557775_a_at	hs.679449	RANBP17	-2,45	3,86	no
238962_at	hs.399952	Full-length cDNA clone CS0DF003YC20 of Fetal brain of Homo sapiens (human)	-2,45	3,86	no
91816_f_at	hs.436495	RKHD1	-2,45	3,86	no
1562603_at	hs.13680	RFFL	-2,45	3,86	no
1554280_a_at	hs.632691	C9orf43	-2,45	3,86	no
232263_at	hs.44424	SLC6A15	-2,45	3,86	no
232413_at	hs.133444	PGBD3	-2,45	3,86	no
216480_x_at	hs.30385	MLLT10	-2,45	3,86	no
215957_at	hs.129683	UBE2D1	-2,44	3,86	no
204465_s_at	hs.500916	INA	-2,44	3,86	no
1560913_at	hs.521119	Full length insert cDNA clone ZC44D09	-2,44	3,86	no

201858_s_at	hs.1908	PRG1	-2,44	3,86	no
1558807_at	hs.467862	KIAA1240	-2,44	3,86	no
229669_at	---	LOC440416	-2,44	3,86	no
233316_at	hs.655570	MKLN1	-2,43	3,86	no
222360_at	hs.440776	DPH5	-2,43	3,86	no
206536_s_at	hs.356076	BIRC4	-2,43	3,86	no
1556312_at	hs.354243	FLJ34931	-2,43	3,86	no
218036_x_at	hs.656143	NMD3	-2,43	3,86	no
220435_at	hs.284450	SLC30A10	-2,42	3,86	no
1554337_at	hs.657318	FARP2	-2,42	3,86	yes
1570298_at	hs.577558	Homo sapiens, clone IMAGE	-2,42	3,86	yes
204174_at	hs.507658	ALOX5AP	-2,42	3,86	yes
238195_at	hs.23589	Full length insert cDNA YI09H09	-2,42	3,86	no
1566207_at	hs.491745	TCEA1	-2,42	3,86	no
207708_at	hs.232770	ALOXE3	-2,42	3,86	no
241482_at	hs.662832	EPHA1	-2,41	3,86	no
211459_at	---	---	-2,41	3,86	no
205884_at	hs.654520	ITGA4	-2,41	3,86	no
224428_s_at	hs.470654	CDCA7	-2,41	3,86	no
1558451_at	hs.435077	LOC285500	-2,41	3,86	no
1560238_at	hs.633102	Homo sapiens, clone IMAGE	-2,41	3,86	no
219894_at	hs.141496	MAGEL2	-2,41	3,86	no
1555394_at	hs.178305	PIGK	-2,41	3,86	no
241744_x_at	hs.145933	Transcribed locus	-2,41	3,86	no
233095_at	hs.272208	CDNA FLJ10095 fis, clone HEMBA1002430	-2,41	3,86	no
236066_at	hs.560741	Transcribed locus	-2,40	3,86	yes
217528_at	hs.241551	CLCA2	-2,40	3,86	yes
1561105_at	hs.407600	CDNA clone IMAGE	-2,40	3,86	no
1562628_at	hs.567666	KRT40	-2,40	3,86	no
217322_x_at	---	---	-2,40	3,86	no
218737_at	hs.577403	SBNO1	-2,40	3,86	yes
207052_at	hs.129711	HAVCR1	-2,40	3,86	no
237722_at	hs.504281	FLI1	-2,40	3,86	no
231612_at	hs.120316	NYD-SP26	-2,39	3,86	no
207821_s_at	hs.395482	PTK2	-2,39	3,86	yes
206116_s_at	hs.133892	TPM1	-2,39	3,86	no
1552522_at	hs.301243	TIGD4	-2,39	3,86	no
1553197_at	hs.371738	WDR21C	-2,39	3,86	no
1570306_at	hs.655499	ST18	-2,39	3,86	no
1564749_at	hs.617169	LOC644420	-2,39	3,86	no
233150_at	hs.647077	GALNTL5	-2,39	3,86	no
41856_at	hs.522997	Full-length cDNA clone CLOBB018ZE07 of Neuroblastoma of Homo sapiens (human)	-2,39	3,86	no
230271_at	hs.194725	Homo sapiens, clone IMAGE	-2,38	3,86	no
244675_at	hs.20982	RGS8	-2,38	3,86	no
224109_at	---	---	-2,38	3,86	no
207526_s_at	hs.66	IL1RL1	-2,38	3,86	no
1561148_at	hs.384579	Full length insert cDNA clone ZD88D12	-2,38	3,86	no
244226_s_at	Hs.656319	RNF43	-2,38	3,86	no

242456_at	hs.192649	MRE11A	-2,38	3,86	no
234525_at	hs.675490	DLG2	-2,38	3,86	no
240743_at	---	---	-2,38	3,86	no
233418_at	hs.648990	LOC91450	-2,38	3,86	no
206501_x_at	hs.22634	ETV1	-2,37	4,45	no
233928_at	hs.476604	ADAMTS9	-2,37	4,45	no
243734_x_at	hs.657556	ZPBP	-2,37	4,45	no
1561509_at	hs.686192	C10orf30	-2,37	4,45	no
1570033_at	hs.122363	WIPI2	-2,37	4,45	no
206286_s_at	hs.385870	TDGF1	-2,37	4,45	no
241343_at	hs.568006	RNASEH1	-2,37	4,45	no
214657_s_at	hs.648467	TncRNA	-2,37	4,45	yes
234901_at	---	---	-2,36	4,45	no
230226_s_at	hs.654806	JARID1A	-2,36	4,45	no
208853_s_at	hs.567968	CANX	-2,36	4,45	yes
240170_at	hs.586960	Transcribed locus, weakly similar to NP_055301.1 neuronal thread protein AD7c-NTP [Homo sapiens]	-2,36	4,45	no
215653_at	hs.659575	GPC5	-2,36	4,45	no
1554781_at	hs.679757	MGC32805	-2,36	4,45	no
238292_at	hs.673989	SFT2D1	-2,36	4,45	no
212872_s_at	hs.278434	TRFP	-2,36	4,45	yes
1561100_at	hs.552142	CDNA clone IMAGE	-2,36	4,45	no
241545_x_at	hs.656771	RBBP6	-2,36	4,45	no
227843_at	hs.655378	NDE1	-2,36	4,45	no
206951_at	hs.662174	HIST1H4E	-2,36	4,45	no
231486_x_at	Hs.594372	NHLRC2	-2,36	4,45	no
206395_at	hs.592771	DGKG	-2,35	4,45	no
1569024_at	hs.97270	FAM13A1	-2,35	4,45	no
217042_at	hs.226007	RDH11	-2,35	4,45	no
211020_at	hs.519884	GCNT2	-2,35	4,45	no
220822_at	---	---	-2,35	4,45	no
204570_at	hs.421621	COX7A1	-2,35	4,45	yes
1554420_at	hs.460	ATF3	-2,34	4,45	no
226310_at	hs.407926	RICTOR	-2,34	4,45	yes
1553923_at	hs.375139	MGC34821	-2,34	4,45	yes
223010_s_at	hs.518750	OCIAD1	-2,34	4,45	no
1567238_at	hs.684888	OR2L2	-2,34	4,45	no
1569401_at	hs.190519	CLEC12A	-2,34	4,45	no
1566265_at	hs.638748	Full length insert cDNA YQ80D07	-2,34	4,45	yes
212240_s_at	hs.132225	PIK3R1	-2,33	4,45	yes
204423_at	hs.44693	MKLN1	-2,33	4,45	no
1562433_at	hs.591862	FLJ10489	-2,33	4,45	no
240841_at	hs.62813	INSM2	-2,33	4,45	no
236532_at	hs.172982	LOC399947	-2,33	4,45	no
1564595_at	hs.650324	LOC644386	-2,33	4,45	no
1553949_at	---	LOC400855	-2,33	4,45	no
1556555_at	hs.131700	LOC648768	-2,33	4,45	yes
214772_at	hs.502266	C11orf41	-2,33	4,45	no
234232_at	hs.589128	KBTBD2	-2,33	4,45	no
1566183_at	hs.637764	CDNA FLJ25172 fis, clone	-2,33	4,45	no

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211463_at	hs.415766	ZIC4	-2,33	4,45	no
1557828_a_at	---	LOC646916	-2,32	4,45	no
216809_at	Hs.652996	CYLC1	-2,32	4,45	no
216769_x_at	hs.677331	C9orf150	-2,32	4,45	no
1561333_at	hs.560319	CDNA clone IMAGE	-2,32	4,45	no
208332_at	hs.158343	PRY	-2,32	4,45	no
243128_at	hs.119014	ZNF175	-2,32	4,45	no
208181_at	hs.655228	HIST1H4H	-2,32	4,45	no
207317_s_at	hs.57975	CASQ2	-2,32	4,45	no
1555483_x_at	hs.530101	FBLIM1	-2,32	4,45	no
244742_at	hs.652123	PAH	-2,32	4,45	yes
1569241_a_at	hs.301059	ZNF93	-2,32	4,45	no
238301_at	hs.570757	Transcribed locus	-2,32	4,45	no
1554571_at	hs.310421	APBB1IP	-2,32	4,45	no
1561733_at	hs.684055	INPP5A	-2,32	4,45	no
231567_s_at	hs.592008	CCDC62	-2,31	4,45	no
215791_at	hs.663677	ITSN1	-2,31	4,45	no
1554569_a_at	hs.309288	CUGBP2	-2,31	4,45	no
242855_at	---	---	-2,31	4,45	no
216899_s_at	hs.200770	SCAP2	-2,31	4,45	no
244136_at	hs.664953	LOC387762	-2,31	4,45	no
223751_x_at	hs.120551	TLR10	-2,31	4,45	yes
1554716_s_at	hs.569502	C15orf50	-2,31	4,45	no
1559817_at	hs.525922	CDNA clone IMAGE	-2,31	4,45	no
232432_s_at	hs.631975	SLC30A5	-2,31	4,45	no
238969_at	---	---	-2,31	4,45	no
1562458_at	hs.597486	UBE2W	-2,31	4,45	no
1566459_at	hs.550242	CDNA clone IMAGE	-2,30	4,45	no
203472_s_at	hs.7884	SLCO2B1	-2,30	4,45	no
220869_at	hs.212774	UBE1L2	-2,30	4,45	no
1557857_a_at	hs.657137	DAD1	-2,30	4,45	no
202352_s_at	hs.646575	PSMD12	-2,30	4,45	no
1562828_at	hs.385502	CDNA clone IMAGE	-2,30	4,45	yes
214845_s_at	hs.7753	CALU	-2,30	4,45	no