

**Table S8. Subset of transcripts derived from DaMiRseq R package, that could be used to separate trophoctoderm samples by maternal age. Related to Figure 4 and STAR methods. RefSeq ID and associated gene names are displayed per subset of 290 (FSelect function) and 58 (FReduct function) transcripts.**

refSeq (290 transcripts)	gene name	refSeq (290 transcripts)	gene name	refSeq (290 transcripts)	gene name	refSeq (58 transcripts)	gene name
NM_000041	APOE	NM_001302623	DHX8	NM_004508	IDI1	NM_000104	CYP1B1
NM_000104	CYP1B1	NM_001302688	APOE	NM_004525	LRP2	NM_000915	OXT
NM_000274	OAT	NM_001302689	APOE	NM_004748	CCPG1	NM_001005374	LRSAM1
NM_000413	HSD17B1	NM_001302690	APOE	NM_004827	ABCG2	NM_001039361	PRAMEF10
NM_000499	CYP1A1	NM_001302691	APOE	NM_005035	POLRMT	NM_001040663	GAGE1
NM_000560	CD53	NM_001303253	ACAT2	NM_005100	AKAP12	NM_001130964	PLCD1
NM_000781	CYP11A1	NM_001316964	REEP4	NM_005542	INSIG1	NM_001145140	CXorf49
NM_000786	CYP51A1	NM_001316965	REEP4	NM_005656	TMPRSS2	NM_001146109	PTGR1
NM_000915	OXT	NM_001317955	IDI1	NM_005891	ACAT2	NM_001174160	SH2D4A
NM_001002264	EPSTI1	NM_001317956	IDI1	NM_005983	SKP2	NM_001193544	ANXA6
NM_001005374	LRSAM1	NM_001317957	IDI1	NM_006184	NUCB1	NM_001197	BIK
NM_001017369	MSMO1	NM_001319075	B3GNT2	NM_006225	PLCD1	NM_001286679	LARP6
NM_001032396	PJA1	NM_001319216	CYP1A1	NM_006404	PROCR	NM_001316965	REEP4
NM_001039361	PRAMEF10	NM_001319217	CYP1A1	NM_006424	SLC34A2	NM_001319217	CYP1A1
NM_001040033	CD53	NM_001320329	NDRG2	NM_006435	IFITM2	NM_001322220	DHX8
NM_001040663	GAGE1	NM_001320638	CD53	NM_006500	MCAM	NM_001322967	OAT
NM_001042632	SNX21	NM_001320996	FABP3	NM_006558	KHDRBS3	NM_001324224	HMGCS1
NM_001042633	SNX21	NM_001321463	NCLN	NM_006577	B3GNT2	NM_001348989	ABCG2
NM_001076552	ACSS2	NM_001322218	DHX8	NM_006745	MSMO1	NM_001360	DHCR7
NM_001077494	NFKB2	NM_001322219	DHX8	NM_006868	RAB31	NM_001424	EMP2
NM_001079815	TMEM52B	NM_001322220	DHX8	NM_006927	ST3GAL2	NM_001457	FLNB
NM_001079862	DBI	NM_001322934	NFKB2	NM_012212	PTGR1	NM_001512	GSTA4
NM_001079863	DBI	NM_001322935	NFKB2	NM_012307	EPB41L3	NM_001975	ENO2
NM_001098272	HMGCS1	NM_001322965	OAT	NM_014365	HSPB8	NM_002490	NDUFA6
NM_001099773	CYP11A1	NM_001322966	OAT	NM_014573	TMEM97	NM_002502	NFKB2
NM_001111045	CCNA1	NM_001322967	OAT	NM_015687	FILIP1	NM_003129	SQLE
NM_001111046	CCNA1	NM_001322968	OAT	NM_015908	SRRT	NM_003818	CDS2
NM_001111047	CCNA1	NM_001322969	OAT	NM_015925	LSR	NM_003979	GPRC5A
NM_001127255	NLRP7	NM_001322970	OAT	NM_016084	RASD1	NM_004165	RRAD
NM_001128850	RRAD	NM_001322971	OAT	NM_016250	NDRG2	NM_004477	FRG1
NM_001128852	SRRT	NM_001322974	OAT	NM_016619	PLAC8	NM_004525	LRP2
NM_001128853	SRRT	NM_001323067	PFKP	NM_017826	SOHLH2	NM_005035	POLRMT

NM_001128854	SRRT	NM_001323068	PFKP	NM_018030	OSBPL1A	NM_005656	TMPRSS2
NM_001130715	PLAC8	NM_001323069	PFKP	NM_018641	CHST12	NM_006404	PROCR
NM_001130716	PLAC8	NM_001323070	PFKP	NM_018677	ACSS2	NM_006424	SLC34A2
NM_001130964	PLCD1	NM_001323071	PFKP	NM_019058	DDIT4	NM_006435	IFITM2
NM_001135099	TMPRSS2	NM_001323072	PFKP	NM_019079	L1TD1	NM_006500	MCAM
NM_001142776	CHAC1	NM_001323073	PFKP	NM_020166	MCCC1	NM_006577	B3GNT2
NM_001145139	CXorf49B	NM_001323074	PFKP	NM_020170	NCLN	NM_006868	RAB31
NM_001145140	CXorf49	NM_001324219	HMGCS1	NM_020548	DBI	NM_006927	ST3GAL2
NM_001145160	TPM4	NM_001324220	HMGCS1	NM_020739	CCPG1	NM_014365	HSPB8
NM_001146108	PTGR1	NM_001324222	HMGCS1	NM_020975	RET	NM_015687	FILIP1
NM_001146109	PTGR1	NM_001324223	HMGCS1	NM_021034	IFITM3	NM_018677	ACSS2
NM_001155	ANXA6	NM_001324224	HMGCS1	NM_021076	NEFH	NM_019058	DDIT4
NM_001161342	TMEM171	NM_001330219	HSD17B1	NM_021158	TRIB3	NM_020975	RET
NM_001163817	DHCR7	NM_001330543	EPSTI1	NM_022071	SH2D4A	NM_021076	NEFH
NM_001164317	FLNB	NM_001330557	EPB41L3	NM_022652	DUSP6	NM_021158	TRIB3
NM_001164318	FLNB	NM_001330663	HMGCS1	NM_024078	NOC4L	NM_022652	DUSP6
NM_001164319	FLNB	NM_001331228	EPSTI1	NM_024111	CHAC1	NM_024078	NOC4L
NM_001164835	L1TD1	NM_001343	DAB2	NM_024605	ARHGAP10	NM_024605	ARHGAP10
NM_001171814	OAT	NM_001345944	PFKP	NM_024954	UBTD1	NM_025107	MYCT1
NM_001172632	OLR1	NM_001346590	INSIG1	NM_025107	MYCT1	NM_025130	HKDC1
NM_001172633	OLR1	NM_001346591	INSIG1	NM_025130	HKDC1	NM_031308	EPPK1
NM_001174159	SH2D4A	NM_001346592	INSIG1	NM_025232	REEP4	NM_031459	SESN2
NM_001174160	SH2D4A	NM_001346593	INSIG1	NM_031308	EPPK1	NM_145119	PJA1
NM_001177998	SLC34A2	NM_001346594	INSIG1	NM_031459	SESN2	NM_153022	TMEM52B
NM_001177999	SLC34A2	NM_001348985	ABCG2	NM_032711	MAFG	NM_182810	ATF4
NM_001178017	DBI	NM_001348986	ABCG2	NM_033138	CALD1	NM_206828	NLRP7
NM_001178041	DBI	NM_001348987	ABCG2	NM_033139	CALD1		
NM_001178042	DBI	NM_001348988	ABCG2	NM_033140	CALD1		
NM_001178043	DBI	NM_001348989	ABCG2	NM_033157	CALD1		
NM_001188	BAK1	NM_001352432	DBI	NM_033255	EPSTI1		
NM_001193544	ANXA6	NM_001354558	NDRG2	NM_033421	SNX21		
NM_001197	BIK	NM_001354559	NDRG2	NM_052845	MMAB		
NM_001198910	CCDC169-SOHLH2	NM_001354560	NDRG2	NM_080597	OSBPL1A		
NM_001199989	RASD1	NM_001354561	NDRG2	NM_139176	NLRP7		
NM_001204450	CCPG1	NM_001354562	NDRG2	NM_144497	AKAP12		
NM_001204451	CCPG1	NM_001354564	NDRG2	NM_145119	PJA1		
NM_001242339	PFKP	NM_001354565	NDRG2	NM_147161	ACOT11		
NM_001242393	ACSS2	NM_001354566	NDRG2	NM_152897	SNX21		
NM_001243120	SKP2	NM_001354567	NDRG2	NM_153022	TMEM52B		
NM_001243794	CHST12	NM_001354568	NDRG2	NM_153256	PROSER2		
NM_001243795	CHST12	NM_001354569	NDRG2	NM_173490	TMEM171		

NM_001244871	DAB2	NM_001354570	NDRG2	NM_173648	CCDC141		
NM_001257386	ABCG2	NM_001360	DHCR7	NM_176782	FAM151A		
NM_001260489	LSR	NM_001424	EMP2	NM_182810	ATF4		
NM_001260490	LSR	NM_001457	FLNB	NM_198336	INSIG1		
NM_001261403	NFKB2	NM_001512	GSTA4	NM_198337	INSIG1		
NM_001281533	EPB41L3	NM_001675	ATF4	NM_201535	NDRG2		
NM_001281534	EPB41L3	NM_001946	DUSP6	NM_201536	NDRG2		
NM_001281535	EPB41L3	NM_001975	ENO2	NM_201537	NDRG2		
NM_001282211	NDRG2	NM_002087	GRN	NM_201538	NDRG2		
NM_001282212	NDRG2	NM_002130	HMGCS1	NM_201539	NDRG2		
NM_001282213	NDRG2	NM_002337	LRPAP1	NM_201540	NDRG2		
NM_001282214	NDRG2	NM_002359	MAFG	NM_201541	NDRG2		
NM_001282215	NDRG2	NM_002490	NDUFA6	NM_205834	LSR		
NM_001282216	NDRG2	NM_002502	NFKB2	NM_205835	LSR		
NM_001282633	DBI	NM_002543	OLR1	NM_206828	NLRP7		
NM_001282634	DBI	NM_002627	PFKP				
NM_001282635	DBI	NM_003129	SQLE				
NM_001282636	DBI	NM_003290	TPM4				
NM_001286679	LARP6	NM_003641	IFITM1				
NM_001288724	NFKB2	NM_003714	STC2				
NM_001289987	FILIP1	NM_003818	CDS2				
NM_001293273	MCCC1	NM_003914	CCNA1				
NM_001300866	FILIP1	NM_003979	GPRC5A				
NM_001301188	TRIB3	NM_004102	FABP3				
NM_001301190	TRIB3	NM_004165	RRAD				
NM_001301193	TRIB3	NM_004173	SLC7A4				
NM_001301196	TRIB3	NM_004342	CALD1				
NM_001301201	TRIB3	NM_004477	FRG1				