

Supplementary Table 1. Differentially expressed transcripts and comparisons between ages

Probe Set ID	Gene Symbol	Description	Accession (pig)	Accession (Human)	p-value	q-value	Fold changes between ages					
							d7/d0	d14/d0	d21/d0	d14/d7	d21/d7	d21/d14
Cluster 1: transcripts showing increased expression after birth, with the highest expression levels at 7 days of age												
Ssc.24673.1.S1_at	HIST2H2AA4	histone cluster 2 H2a	BX923965	NM_003516	1.22E-06	0.004472	4.88**	3.85**	3.17**	0.79*	0.65**	0.82
Ssc.6258.1.A1_a_at	ITGA6	integrin alpha 6	CK463022	NM_000210	0.0000111	0.0063885	2.26**	1.49**	1.53**	0.66**	0.68**	1.03
Ssc.11712.1.A1_at	KIF26A	kinesin family memb	BI184001	AL117589	0.0000126	0.0063885	3.1**	3.03**	3.06**	0.98	0.99	1.01
Ssc.26292.1.S1_at	HIST1H2AC	histone cluster 1 H2a	XM_001928124	NM_003512	0.000017	0.0063885	10.42**	9.3*	7.01**	0.89	0.67	0.75
Ssc.17186.2.S1_at	IGFBP7	insulin-like growth fa	CR626227	NM_001553	0.0000183	0.0063885	2.48**	2.09**	1.99**	0.84	0.8*	0.95
Ssc.3059.1.S1_at	ALR2	aldo-keto reductase fi	NM_001001539	NM_003857	0.0000219	0.0066896	2.07**	1.79**	1.98**	0.86	0.96	1.11
Ssc.17186.2.S2_at	POLR2B	polymerase (RNA) II	AF265351	NM_000938	0.0000319	0.0077954	2.02**	1.92**	1.96**	0.95	0.97	1.02
Ssc.6435.1.S1_at	COL4A1	collagen type IV alph	CN154120	NM_001845	0.0000339	0.0078122	3.44**	2.46**	2.05**	0.71*	0.6**	0.83
Ssc.17942.1.A1_at	ELOVL7	ELOVL family membl	CF176409	NM_024930	0.0000375	0.0078462	1.91**	1.66**	2.02**	0.87	1.06	1.21*
AFFX-SSC-28SrRN	LOC100008589	28S ribosomal RNA	NR_003287	U13369	0.000061	0.0092162	4.47**	4.15**	2.36**	0.93	0.53**	0.57*
Ssc.10618.2.A1_at	NET1	neuroepithelial cell tr	BQ597407	AK024919	0.0000809	0.0103199	1.58***	1.59***	1.53***	1.01	0.97	0.96
Ssc.4740.1.S1_at	MAGI1	membrane associated	CK449990	NM_015520	0.000081	0.0103199	2.09**	1.57**	1.63**	0.75**	0.78*	1.04
Ssc.7476.1.A1_at	C1orf54	chromosome 1 open i	XM_001924595	NM_024579	0.0000825	0.0103199	11.56**	6.42**	8.62**	0.55	0.75	1.34
Ssc.17858.1.S1_at	FAM128B	family with sequence	XM_001929600	NM_025029	0.0000873	0.0103199	1.9**	1.79**	2.07**	0.95	1.09	1.15
Ssc.226.1.S1_at	HMGB2	non-histone protein F	NM_214063	NM_002129	0.0000915	0.0103199	3.02**	1.43*	1.64**	0.47**	0.54**	1.15
Ssc.8330.1.S1_at	RGS5	regulator of G-protein	NM_214356	NM_003617	0.0001218	0.0113645	2.87**	2.73**	2.92**	0.95	1.02	1.07
Ssc.23797.1.S1_at	CCL4	chemokine C-C moti	NM_213779	NM_002984	0.00013	0.0117665	3.5**	2.61**	2.78**	0.74	0.79	1.07
Ssc.28093.1.A1_at	PRC1	protein regulator of c	CN026087	NM_015062	0.0001437	0.0121834	6.7**	3.2**	3.42**	0.48**	0.51*	1.07
Ssc.28468.1.A1_at	ARHGAP29	Homo sapiens Rho G	XM_001926997	NM_004815	0.0001636	0.0123686	4**	3.58**	2.93**	0.89	0.73	0.82
Ssc.21554.1.A1_at	VKORC1L1	vitamin K epoxide re	CA513716	NM_173517	0.0001795	0.0128698	2.12**	2.45**	2.08**	1.16	0.98	0.85
Ssc.7682.1.A1_at			BF711650	NM_001033081	0.0002089	0.0128698	3.43**	2.7**	3.67**	0.79	1.07	1.36
Ssc.13820.1.A1_at	PRKAG3	protein kinase, AMP-	NM_214077	NM_017431	0.0002102	0.0128698	6.39**	5.34**	6.87**	0.83	1.08	1.29
Ssc.18207.1.S1_at	RHOQ	ras homolog gene fan	CF180470	NM_002643	0.0002369	0.0138927	2.12**	2.04**	2.1**	0.96	0.99	1.03
Ssc.13453.2.S1_at	NUDT15	nudix-type motif 15	CK460813	NM_018283	0.0002519	0.0141055	5.66**	5.2**	5.84**	0.92	1.03	1.12
Ssc.24734.2.A1_at	TTN	titin	XM_001925803	NM_003319	0.0002954	0.0141055	6.38**	6.26**	6.57**	0.98	1.03	1.05
Ssc.21130.1.S1_at	VRK1	vaccinia related kinas	CK449422	NM_003384	0.0003021	0.0141055	4.82**	2.48**	3.02**	0.51*	0.63*	1.22
Ssc.10884.1.A1_at	IFI16	interferon gamma-inc	XM_001929212	NM_005531	0.0003301	0.0146661	2.26**	2.52**	1.98**	1.11	0.87	0.78
Ssc.7109.1.S1_at	PGM2L1	phosphoglucomutase	BF702506	NM_173582	0.0003401	0.0148621	5.94**	7.63**	8.77**	1.29	1.48	1.15
Ssc.24537.1.A1_at	RPS10	ribosomal protein S10	CK459799	NM_001014	0.0003474	0.0148621	1.98**	2.03**	2.1**	1.02	1.06	1.04
Ssc.15824.1.S1_at	KPNA2	karyopherin alpha 2	BG382957	NM_002266	0.0003587	0.0148621	2.07**	0.97	1.09	0.47**	0.53**	1.12
Ssc.4921.1.S1_a_at	RAPGEF5	Rap guanine nucleoti	CN162936	BC039203	0.0003883	0.0148621	3.69**	2.73**	2.71**	0.74	0.73	0.99
Ssc.6541.1.S1_at	ATP2C1	ATPase, Ca++ transp	XM_001926293	NM_014382	0.0003905	0.0148621	1.56***	1.23*	1.43**	0.79*	0.92	1.16

Ssc.8443.1.A1_at	RAB3D	RAB3D member RA	BQ601463	NM_004283	0.0003917	0.0148621	2.3**	2.31**	2.33**	1	1.01	1.01
Ssc.27978.1.A1_at	RMND5A	required for meiotic r	CN032941	NM_022780	0.0003931	0.0148621	2.44**	2.73**	2.26**	1.12	0.92	0.83
Ssc.12229.1.S1_at	CKS2	CDC28 protein kinas	BX665524	NM_001827	0.0003951	0.0148621	4.02**	2.29**	2.36**	0.57*	0.59*	1.03
Ssc.3918.1.S1_at	JAM3	junctional adhesion n	BF713102	NM_032801	0.0003981	0.0148621	2.11**	1.4**	1.32*	0.66**	0.63**	0.95
Ssc.6393.1.S1_at	PGAP1	post-GPI attachment	NM_024989	NM_024989	0.000406	0.0148621	2.6**	1.81**	1.84**	0.7*	0.71*	1.02
Ssc.3261.1.S1_at	COMMD1	copper metabolism (↑	CN161452	NM_152516	0.0004101	0.0148621	1.62**	1.48*	1.92***	0.91	1.18	1.29
Ssc.6303.1.S1_at			CF175241		0.0004128	0.0148621	4.81**	3.52**	3.7**	0.73	0.77	1.05
Ssc.29002.1.A1_at	GUCY1B3	guanylate cyclase 1 s	NM_001018032	NM_000857	0.0004175	0.0148621	2.12**	2.03**	2.21**	0.95	1.04	1.09
Ssc.11190.1.S1_at	IGHM	immunoglobulin heav	S42881	BC001872	0.0004301	0.0148724	7.4**	9.42**	7.49**	1.27	1.01	0.79
Ssc.21605.2.S1_at	NUSAP1	Bos taurus nucleolar	BQ603089	NM_016359	0.0004351	0.0149069	5.11**	2.7**	3.24**	0.53*	0.63	1.2
Ssc.16231.1.S1_a_a	IGF1	insulin-like growth fa	NM_214256	NM_000875	0.0004472	0.0150106	3.26**	3.25**	3.41**	1	1.04	1.05
Ssc.16092.2.A1_at	TTN	titin	CF359670	NM_003319	0.0004585	0.015154	4.11**	5.18**	3.99**	1.26	0.97	0.77
Ssc.13616.2.S1_at	ZFP106	zinc finger protein 10	BX916583	NM_022473	0.0004609	0.015154	2.29**	1.95**	1.87**	0.85	0.82	0.96
Ssc.29609.2.A1_at			CF359628	CF359628	0.0004709	0.015154	3.13**	3.02**	4.34**	0.97	1.39	1.44
Ssc.3941.2.S1_at	MAPK9	mitogen-activated pro	BP167918	NM_139070	0.0004713	0.015154	2.07**	1.97**	2.18**	0.95	1.05	1.11
Ssc.20225.1.A1_at	C6orf115	Homo sapiens chrom	CK450954	AF116682	0.0004744	0.0151871	3.28**	1.5*	1.81**	0.46**	0.55**	1.2
Ssc.12453.1.S1_a_a	SFRS18	splicing factor argini	NM_001113439	NM_032870	0.0004839	0.0154244	2.18**	2.35**	2.03**	1.08	0.93	0.86
Ssc.5563.2.S1_a_at	CRABP1	Cellular retinoic acid	NM_001031789	NM_002899	0.0005009	0.015608	4.02**	1.5*	1.86*	0.37**	0.46**	1.24
Ssc.15823.1.S1_at	LAMB1	laminin, beta 1	AF329358	NM_002291	0.0005024	0.015608	1.44***	1.18	1.15	0.82*	0.8**	0.97
Ssc.2436.1.A1_at	GABBR2	gamma-aminobutyric	BF712547	NM_005458	0.0005156	0.0158829	2.4**	1.82**	1.61**	0.76	0.67*	0.89
Ssc.610.1.S1_at	MAPK6	mitogen-activated pro	XM_001925291	NM_002748	0.0005265	0.016015	3.04**	2.61**	2.48**	0.86	0.82	0.95
Ssc.25612.1.S1_at			BX919985		0.0005738	0.0167381	6.84**	4.54**	6.47**	0.66	0.95	1.43
Ssc.6562.1.S1_at	MARCKSL1	MARCKS-like 1	CK467847	NM_023009	0.0005754	0.0167381	3.29**	2.05**	2.04**	0.62*	0.62*	1
Ssc.7204.1.A1_at	HAGH	hydroxyacylglutathio	CF179717	NM_005326	0.0006505	0.0177734	1.72**	1.68**	1.53**	0.98	0.89	0.91
Ssc.13616.1.S1_at	ZFP106	zinc finger protein 10	BP437961	NM_022473	0.0006591	0.0178889	2.53**	2.09**	1.97**	0.82	0.78	0.94
Ssc.773.2.S1_at	LOC100157327	Similar to histone clu	BX916841	NM_021063	0.0006819	0.017991	6.16**	3.92**	3.88**	0.64	0.63	0.99
Ssc.15314.1.S1_at	SLC25A24	solute carrier family 2	BM484905	NM_013386	0.0006851	0.0180024	2.47**	1.27	2.92**	0.52**	1.18	2.29**
Ssc.20113.1.S1_at	FRMD4B	FERM domain contain	AU059459	BC043396	0.0007092	0.0182608	3.08**	2.82**	2.44**	0.92	0.79	0.86
Ssc.25575.1.S1_at	RRAGD	Ras-related GTP bind	BX919043	NM_021244	0.0007651	0.0185728	1.91**	1.86**	1.41	0.98	0.74	0.76
Ssc.4430.1.S1_at	SHCBP1	SHC SH2-domain bind	CF788826	NM_024745	0.0007731	0.0186397	17.48**	8.11**	8.81**	0.46	0.5	1.09
Ssc.8282.1.S1_at	SEPT4	septin 4	BX666561	NM_001744	0.0007804	0.0186397	2.36**	1.46*	1.87**	0.62**	0.79	1.28
Ssc.9175.1.A1_at			BF709795		0.0008078	0.0189325	1.86***	1.55**	1.64**	0.83	0.88	1.06
Ssc.2801.1.S1_at	RALGPS2	Ral GEF with PH dom	XM_001155146	NM_018037	0.0008165	0.0189325	2.25**	1.25	2.64**	0.56**	1.18	2.11**
Ssc.5591.1.S1_at	ENHO	energy homeostasis a	BX667415	NM_198573	0.0008264	0.018992	5.73**	3.71**	4.31**	0.65	0.75	1.16
Ssc.23085.1.S1_at	SKP2	S-phase kinase-assoc	AW359727	NM_005983	0.0008412	0.0190705	2.57**	1.57*	1.72**	0.61**	0.67*	1.1
Ssc.19928.1.S1_a_a	DUT	deoxyuridine triphos	BQ599039	NM_001948	0.0008992	0.0194466	2.14**	1.19	1.64**	0.56**	0.77	1.38*
Ssc.19246.1.S1_at	ASL	argininosuccinate lya	BI341167	NM_000048	0.000903	0.0194712	2.05**	1.94**	1.96**	0.94	0.95	1.01
Ssc.28551.1.S1_at	PSIP1	PC4 and SFRS1 inter	XM_001927571	NM_033222	0.0009122	0.0195044	1.76**	1.63**	1.75**	0.93	0.99	1.07

Ssc.11954.1.A1_at	TMEM200B	transmembrane prote	AJ659051	NM_001003682	0.0009336	0.0196879	2.54**	2.07**	2.27**	0.81	0.89	1.1
Ssc.13232.2.A1_at	HOXB6	homeobox B6	CF787794	NM_018952	0.0009383	0.019694	5.41**	4.4**	3.73**	0.81	0.69	0.85
Ssc.29060.1.S1_at	F11R	F11 receptor	CO992424	NM_016946	0.0009556	0.0196965	2.03**	1.89**	1.76**	0.93	0.87	0.93
Ssc.21027.2.A1_at	BNIP3L	BCL2 or adenovirus	XM_001927592	NM_004331	0.0009627	0.0196965	2.02**	1.96**	1.82**	0.97	0.9	0.93
Ssc.16092.1.S1_at	TTN	titin	XM_001925803	NM_133378	0.0009665	0.0196965	3.06**	3.34**	3.2**	1.09	1.05	0.96
Ssc.19239.1.S1_at	GPD1	glycerol-3-phosphate	CF368338	NM_005276	0.0010827	0.020999	8.71**	7.61**	10.45**	0.87	1.2	1.37
Ssc.7701.1.A1_at	STMN1	stathmin 1	NM_001009582	NM_005563	0.001114	0.0211631	4.17**	2.04**	2.71**	0.49*	0.65	1.33
Ssc.8871.2.A1_at	CDKN1C	cyclin-dependent kin	CK457442	NM_000076	0.0011253	0.0213175	2.08**	1.62**	1.32*	0.78	0.63**	0.81
Ssc.23207.1.S1_at	RNF2	ring finger protein 2	BP443804	NM_007212	0.0011962	0.0222944	1.63***	1.26	1.32*	0.77*	0.81	1.05
Ssc.14425.1.A1_at	NIN	ninein (GSK3B inter	CN159672	NM_016350	0.0012012	0.0222944	1.45**	1.33**	1.36**	0.92	0.94	1.03
Ssc.25004.1.S1_at	IGF1	insulin-like growth fa	CK464684	NM_000618	0.0012165	0.0224637	3.78**	2.73**	3.29**	0.72	0.87	1.21
Ssc.1509.1.S1_at	TNFRSF21	tumor necrosis factor	XR_045671	NM_014452	0.0012404	0.0225897	2.25**	2.04**	1.84**	0.91	0.82	0.9
Ssc.2474.1.S1_at	HIST2H2BE	histone cluster 2 H2b	CO951031	NM_003528	0.0012667	0.0227612	3.45**	2.82**	2.78**	0.82	0.81	0.98
Ssc.4041.1.S1_a_at	GPD1	glycerol-3-phosphate	BQ597892	NM_005276	0.001283	0.022829	5.12**	4.2**	3.92**	0.82	0.77	0.93
Ssc.23085.2.S1_at	SKP2	S-phase kinase-assoc	BF710377	NM_032637	0.001294	0.022906	3.65**	1.72*	1.94**	0.47**	0.53*	1.13
Ssc.7367.1.S1_at	NDC80	NDC80 homolog, kir	CK466373	NM_006101	0.0013128	0.0230646	5.04**	3.3**	3.16**	0.65	0.63	0.96
Ssc.25730.1.S1_at	LOC782900	similar to LOC44095	BX921364	NM_001124767	0.0013223	0.0231352	1.93**	1.73**	1.81**	0.9	0.94	1.05
Ssc.3298.1.A1_at	IGFBP5	insulin-like growth fa	BI118964	NM_000599	0.0013327	0.0232624	3.02**	2.48**	2.76**	0.82	0.91	1.11
Ssc.19504.1.A1_at	DLGAP5	discs, large (Drosoph	CF368578	NM_014750	0.0013538	0.0234071	6.6**	3.07**	4.06**	0.47*	0.62	1.32
Ssc.8270.1.S1_at	CEP57	centrosomal protein 5	BF702813	NM_014679	0.001363	0.0234173	2.08**	1.43*	1.83**	0.69*	0.88	1.28
Ssc.15046.1.A1_at	NCOA7	nuclear receptor coac	BQ600338	NM_181782	0.001407	0.0239115	1.54**	1.42**	1.26	0.92	0.82	0.89
Ssc.8766.1.A1_at	CENPE	centromere protein E	BQ600288	NM_001813	0.0014126	0.0239162	5**	3**	3.65**	0.6	0.73	1.21
Ssc.17712.2.S1_at	KDM5B	lysine (K)-specific de	CD572000	NM_006618	0.0014243	0.0239908	1.49**	1.43**	1.17	0.96	0.79	0.81
Ssc.8402.2.S1_at	PDE4DIP	phosphodiesterase 4I	XM_001926278	NM_001002810	0.0014339	0.0240001	2.3**	2.32**	1.96**	1.01	0.85	0.85
Ssc.11171.1.S1_at	ADA	adenosine deaminase	CN167008	NM_000022	0.0014556	0.0240886	3.85**	2.74**	3.95**	0.71	1.03	1.44
Ssc.29755.1.A1_at	VASH1	vasohibin 1	BI342791	NM_014909	0.0014947	0.0244577	2.51**	1.54*	2.04**	0.62*	0.81	1.32
Ssc.2712.1.S1_at	BIRC5	baculoviral IAP repe	BG834509	NM_001012270	0.0015103	0.0244577	2.57**	0.99	1.71*	0.39**	0.66*	1.72*
Ssc.75.1.S1_at	CDH5	cadherin 5 type 2	NM_001001649	NM_001795	0.0015511	0.0248285	2.67**	2.3**	2.4**	0.86	0.9	1.04
Ssc.6050.1.A1_at	PECAM1	Platelet/endothelial c	NM_213907	NM_000442	0.0015632	0.0249065	1.84**	1.57*	1.43*	0.85	0.78	0.91
Ssc.27641.1.A1_at	CTBP2	C-terminal binding pr	XM_001929068	NM_001329	0.0016174	0.0251136	1.63**	1.56**	1.28	0.96	0.78	0.82
Ssc.5567.1.S1_at	HEXIM1	hexamethylene bis-ac	CN164293	NM_006460	0.0016289	0.0251404	1.52**	1.3*	1.5**	0.85	0.98	1.15
Ssc.19359.1.A1_at	MBP	myelin basic protein	CF359702	NM_002385	0.0016625	0.0252699	8.68**	8.24**	11.82**	0.95	1.36	1.43
Ssc.21647.1.A1_at	CEP55	centrosomal protein 5	BX673528	NM_018131	0.0016983	0.0253354	3.49**	1.84*	2.55**	0.53*	0.73	1.39
Ssc.19722.1.S1_at	ELTD1	EGF, latrophilin and	CN153677	NM_022159	0.0017112	0.0253354	1.99*	1.59**	1.67*	0.8	0.84	1.05
Ssc.27533.1.A1_at	ZFP106	zinc finger protein 10	CN164599	NM_022473	0.001713	0.0253354	2.61**	2.25**	2.03**	0.86	0.78	0.9
Ssc.27514.2.A1_a	R3HDM1	R3H domain containi	CN165494	NM_015361	0.0017232	0.0253354	2.23**	2.13**	1.88**	0.96	0.84	0.88
Ssc.24173.1.S1_at	SHISA2	shisa homolog 2	CK457106	NM_001007538	0.0018143	0.0257993	2.94**	2.59**	2.93**	0.88	1	1.13
Ssc.12842.1.S2_at	CAV1	caveolin 1	NM_214438	NM_001753	0.0018362	0.0259371	1.77**	1.62**	1.67**	0.91	0.94	1.04

Ssc.941.1.S1_at	ACTA2	actin alpha 2 smooth	XM_001925828	NM_001613	0.0019185	0.0265378	2.08**	1.66**	1.28	0.8	0.61**	0.77
Ssc.3799.3.A1_at	RBPMS	RNA binding protein	CO943223	NM_006867	0.0019705	0.0267511	1.91**	1.73**	1.51*	0.91	0.79	0.87
Ssc.18207.2.S1_at	RHOQ	ras homolog gene fan	CB287600	NM_012249	0.0020247	0.0269873	2.37**	2.15**	2.46**	0.91	1.04	1.14
Ssc.24474.1.A1_at	PAQR3	progesterin and adipoQ	CK457531	BC047510	0.0020319	0.0270344	2.13**	2.44**	2.27**	1.15	1.07	0.93
Ssc.14250.1.S1_at	UBE2A	ubiquitin-conjugating	XM_001927284	NM_003336	0.0021212	0.0276548	1.42**	1.46**	1.33*	1.03	0.93	0.91
Ssc.2168.1.S1_at	KIAA1462		CK456510	AB040895	0.0021711	0.0279235	2.22**	1.89**	1.72**	0.85	0.77	0.91
Ssc.9468.1.A1_at	MYO9A	myosin IXA	BF710614	NM_006901	0.0021879	0.0279891	1.64*	1.72**	1.78**	1.05	1.09	1.04
Ssc.23983.1.A1_at	SOX8	SRY-box 8	CK452429	NM_014587	0.002223	0.0279891	5.74**	2.68**	3.5**	0.47*	0.61	1.31
Ssc.2754.1.S1_at	PRC1	protein regulator of c	BF713007	NM_015062	0.0022276	0.0279891	3.91**	2.34**	2.57**	0.6*	0.66	1.1
Ssc.2983.1.A1_at	LXN	latexin	BE031926	NM_020169	0.0022373	0.0279891	6.86**	3.66**	4.82**	0.53	0.7	1.32
Ssc.12842.1.S1_at	CAV1	caveolin 1	NM_214438	NM_001753	0.0022483	0.0280439	2.62**	2.57**	2.29**	0.98	0.87	0.89
Ssc.28166.1.A1_at	NCOA7	nuclear receptor coac	CN029056	NM_181782	0.002262	0.0280596	2.04**	1.73**	2.17**	0.85	1.06	1.25
Ssc.20445.1.S1_at	SMC2	structural maintenanc	BX675815	BG166796	0.0022848	0.0280662	2.92**	1.78*	2.1**	0.61*	0.72	1.18
Ssc.24883.1.A1_at	TCHP	trichoplein, keratin fi	CF788627	NM_032300	0.0023052	0.0280662	3.11**	1.4	2.82**	0.45**	0.91	2.01*
Ssc.3665.1.S1_at	IGSF3	immunoglobulin supε	CN154486	NM_001542	0.0023236	0.0281678	2.4**	1.26	1.58*	0.53**	0.66*	1.25
Ssc.8745.1.A1_at	SOAT1	sterol O-acyltransferε	CF368982	NM_003101	0.002356	0.0281984	2.46**	1.06	1.46	0.43**	0.59*	1.37
AFFX-SSC-18SrRN	LOC100008588	Sus scrofa 18S ribosc	NR_002170	U13369	0.0024396	0.0287486	2.38**	2.17**	2.58**	0.91	1.08	1.19
Ssc.21605.1.S1_a	aNUSAP1	nucleolar and spindle	BX664925	NM_016359	0.0024427	0.0287486	4.97**	2.76**	3.52**	0.56	0.71	1.28
Ssc.19551.1.S1_at	KIF3A	kinesin family memb	CF362277	NM_007054	0.0024546	0.0287486	2.08**	1.85**	1.84**	0.89	0.88	0.99
Ssc.11214.1.A1_at	MEMO1	mediator of cell moti	CF787739	NM_015955	0.0024548	0.0287486	1.51**	1.43**	1.42*	0.95	0.94	0.99
Ssc.7292.1.S1_at	BPGM	2,3-bisphosphoglycer	CD572063	NM_001724	0.0024761	0.028825	3.77**	2.9**	3.6**	0.77	0.95	1.24
Ssc.16100.1.S1_at	PHKA1	phosphorylase kinase	AF091610	NM_002637	0.0024884	0.028825	4.01**	5.11**	4.55**	1.27	1.14	0.89
Ssc.6974.1.A1_at	SYTL2	synaptotagmin-like 2	CK457761	NM_032379	0.0024919	0.028825	1.79**	1.47*	1.55*	0.82	0.87	1.05
Ssc.9500.1.A1_at	PGPEP1	pyroglutamyl-peptida	BF710709	NM_017712	0.0025123	0.028825	2.21**	2.27**	2.6**	1.03	1.17	1.14
Ssc.1012.1.S1_at	ZNF277	zinc finger protein 27	BQ600156	NM_021994	0.002529	0.028825	1.79**	1.77**	2.01**	0.99	1.12	1.13
Ssc.19883.1.S1_at	COL15A1	alpha 1 type XV collε	XM_001925576	NM_001855	0.0025321	0.028825	3.28**	2.19**	2.53**	0.67	0.77	1.16
Ssc.5962.2.S1_a	at MBD2	methyl-CpG binding	XM_001924520	NM_003927	0.0025745	0.0288462	1.77**	1.68**	1.69**	0.95	0.95	1.01
Ssc.30859.1.A1_at	SUOX	sulfite oxidase	XR_045605	NM_000456	0.0026252	0.0288496	2.22**	1.75**	2.35**	0.79	1.06	1.34
Ssc.24694.1.S1_at	WNT5A	wingless-type MMTV	CN160579	NM_003392	0.0027125	0.0292267	1.73**	1.87**	1.56*	1.08	0.9	0.83
Ssc.28888.1.S1_at	ODZ4	odz odd Oz and ten-n	CF788821	NM_024749	0.0027349	0.0293126	2.07**	1.53**	1.61**	0.74*	0.78	1.05
Ssc.2142.2.S1_at	DBN1	drebrin 1	AJ686527	NM_004395	0.0027487	0.0294099	2.18**	1.16	1.84**	0.53**	0.84	1.59*
Ssc.1379.1.S1_at	LOC338799	hypothetical LOC338	AJ665717	NR_002809	0.002752	0.0294099	2.81**	2.25**	2.1**	0.8	0.75	0.93
Ssc.25370.1.S1_at	SNX6	sorting nexin 6	XM_001928268	NM_021249	0.0027978	0.0295485	1.92**	1.68*	1.7*	0.87	0.88	1.01
Ssc.12941.2.S1_a	aNCALD	neurocalcin delta	XM_001925568	NM_032041	0.0028046	0.0295485	2.57**	2.14**	1.58*	0.83	0.61*	0.74
Ssc.27201.1.S1_a	aCCL2	chemokine (C-C mot	NM_001001617	NM_003965	0.0029124	0.03006	6.84**	6.41**	7.88**	0.94	1.15	1.23
Ssc.4438.1.A1_at	PAWR	PRKC, apoptosis, W	CF364927	NM_002583	0.0029464	0.0301679	1.81**	1.73**	1.52*	0.95	0.84	0.88
Ssc.11571.3.S1_at	FAM118B	family with sequence	AK236191	NM_024556	0.0029588	0.030211	2.21**	2.04**	1.9**	0.93	0.86	0.93
Ssc.18721.1.A1_at	LAMC1	laminin gamma 1	CK462389	NM_002293	0.0029662	0.0302436	2.13**	1.96**	1.54*	0.92	0.72	0.79

Ssc.4681.1.S1_at	CD93	CD93 molecule	XM_001926898	NM_012072	0.0030479	0.0307251	2.53**	1.8**	1.82**	0.71*	0.72	1.01
Ssc.27012.1.S1_at	STYX	Homo sapiens serine	XM_001926516	NM_145251	0.0030884	0.0308886	2.54**	2.17**	2.62**	0.85	1.03	1.21
Ssc.3965.1.A1_at	PIGN	phosphatidylinositol	BG609767	NM_012327	0.0031463	0.0310671	1.46*	1.37*	1.55**	0.94	1.06	1.13
Ssc.25763.1.A1_at	DYNC1LI2	dynein cytoplasmic 1	BX921891	NM_006141	0.0031571	0.0310671	2.07**	1.83**	1.8**	0.88	0.87	0.98
Ssc.6080.1.S1_at	SLPI	secretory leukocyte p	NM_213870	NM_003064	0.003166	0.0310671	5.5**	3.57**	6.2**	0.65	1.13	1.74
Ssc.25404.1.S1_at	THRAP3	thyroid hormone rece	BX916208	NM_005119	0.0032334	0.0312544	2.16**	2.3**	2.66**	1.06	1.23	1.16
Ssc.15736.1.S1_at	TMBIM6	transmembrane BAX	NM_001005348	NM_003217	0.0033109	0.0315093	1.73**	1.57*	1.46*	0.91	0.85	0.93
Ssc.11787.2.A1_at	RASSF2	Ras association RaIG	BII84623	NM_014737	0.003469	0.0321336	4.11**	1.73	2.48**	0.42**	0.6	1.43
Ssc.3231.2.A1_at	DICER1	dicer 1, ribonuclease	CF792966	NM_030621	0.0034715	0.0321336	1.62*	1.27	0.84	0.79	0.52**	0.66
Ssc.30970.1.S1_at	KIAA1009		BF189026	NM_014895	0.0035038	0.032194	2.44**	1.85*	2.68**	0.76	1.1	1.45
Ssc.3675.1.A1_at	CALM3	calmodulin 3	CF180750	NM_001743	0.0035092	0.0321984	2.29**	1.72**	1.94**	0.75	0.85	1.13
Ssc.19035.1.S1_at	CSGALNACT1	chondroitin sulfate N	CF368162	NM_018371	0.0035346	0.032325	1.71**	1.5*	1.38	0.88	0.81	0.92
Ssc.6460.1.S1_at	APPBP2	amyloid beta precurs	AJ655868	NM_006380	0.003544	0.0323414	1.87**	1.77*	1.74*	0.95	0.93	0.98
Ssc.18607.1.A1_at	MAP4	microtubule-associat	CF180286	NM_030885	0.0035469	0.0323414	1.95**	1.6*	1.62*	0.82	0.83	1.02
Ssc.24244.2.A1_at	ATRX	alpha thalassemia/me	CK465665	NM_000489	0.003561	0.0323521	1.71**	1.52*	1.39	0.89	0.81	0.92
Ssc.17230.1.S1_at	TMSB10	thymosin beta 10	NM_001097482	NM_021103	0.0035989	0.0326125	2.3**	1.68*	1.98**	0.73	0.86	1.18
Ssc.5129.1.S1_at	MAD2L1	MAD2 mitotic arrest	CN154490	NM_002358	0.0036484	0.0327827	2.55**	1.47*	1.76**	0.58*	0.69	1.2
Ssc.19675.1.S1_at	RACGAP1	Rac GTPase activatin	CK457026	NM_013277	0.0036514	0.0327827	5.05**	2.1*	2.81**	0.42*	0.56	1.33
Ssc.25164.1.S1_at	DUSP6	dual specificity phos	AK237220	NM_001946	0.0036534	0.0327827	2.79**	2.14**	1.58*	0.77	0.57*	0.74
Ssc.21823.1.S1_at	APITD1	apoptosis-inducing T	CK458744	NM_001302	0.0036919	0.0329275	2.15**	1.17	1.34	0.54**	0.62*	1.15
Ssc.26770.1.S1_at	HMMR	hyaluronan-mediated	BP159976	NM_012485	0.0037274	0.0330521	10.16**	4.87*	7.29**	0.48**	0.72**	1.5
Ssc.24270.1.S1_at	COL21A1	collagen type XXI al	XM_001925339	NM_030820	0.0037285	0.0330521	2.3**	1.16	1.19	0.51**	0.52**	1.02
Ssc.14477.1.S1_at	CILP	cartilage intermediate	XM_001929026	NM_153221	0.0038988	0.0339056	2.65**	1.76*	1.37	0.66	0.52**	0.78
Ssc.24161.1.S1_at	NUCKS1	nuclear casein kinase	CF361109	NM_022731	0.0039696	0.0341747	1.55*	1.21	1.6**	0.78	1.03	1.32
Ssc.2001.1.A1_at	LHX6	LIM homeobox 6	BQ604172	NM_014368	0.0040617	0.03439	4.77**	5.12**	6.55**	1.07	1.37	1.28
Ssc.30916.1.A1_at	AMIGO2	adhesion molecule w	CO947301	NM_181847	0.0040893	0.0344705	3.06**	2.62**	2.9**	0.86	0.95	1.11
Ssc.13601.1.A1_at			BQ602827		0.0041486	0.0346789	2.73**	2.54**	2.35**	0.93	0.86	0.92
Ssc.9832.1.A1_at	SH2B3	SH2B adaptor protei	BI399041	NM_005475	0.0041864	0.0348756	1.96**	1.43	1.53	0.73	0.78	1.07
Ssc.14258.1.S1_at	APP	amyloid beta (A4) pr	NM_214372	NM_000484	0.0042194	0.0349749	1.68*	1.74**	1.45	1.03	0.86	0.84
Ssc.16707.1.S1_at	Eno1	enolase 1, alpha non-	CK462922	NM_001428	0.0042927	0.0353204	1.91**	1.57*	1.53	0.82	0.8	0.97
Ssc.29643.1.S1_at	ORC4L	origin recognition co	CF180150	NM_002552	0.004303	0.0353255	2.02**	2.37**	1.9**	1.17	0.94	0.8
Ssc.22124.1.S1_at	AGTR2	angiotensin II recept	BE235488	NM_000686	0.0043182	0.0353275	2.03**	1.82**	1.52*	0.9	0.75	0.83
Ssc.7176.1.A1_at	CXCR4	Chemokine receptor	NM_213773	NM_003467	0.0043597	0.0353275	2.6**	1.81*	2.6**	0.7	1	1.44
Ssc.4895.1.S1_at	FBXO25	F-box protein 25	BF713434	NM_012173	0.0043788	0.0353275	1.68**	1.43	1.74**	0.85	1.03	1.21
Ssc.6447.1.A1_at	TADA2	transcriptional adapt	BF710919	NM_001488	0.0044173	0.0354733	1.95**	1.57*	1.41	0.81	0.72	0.9
Ssc.29609.1.S1_at	AHCY	adenosylhomocystein	BP148307	NM_000687	0.0044323	0.0354733	4.86**	4.59**	5.33**	0.94	1.1	1.16
Ssc.14470.1.S1_at	MSN	moesin	NM_001009578	NM_002444	0.004469	0.035675	2**	1.68**	1.7**	0.84	0.85	1.02
Ssc.26072.1.S1_at	TTC7A	tetratricopeptide re	CN158496	NM_020458	0.0046092	0.0361006	2.43**	2.19**	2.55**	0.9	1.05	1.17

Ssc.11668.1.A1_at	KPNA2	karyopherin alpha 2 (BI183460	NM_002266	0.0046318	0.0361623	1.75*	0.91	1.07	0.52**	0.61*	1.17
Ssc.18198.1.S1_at	CDCA3	cell division cycle as XM_001928347	NM_031299	0.0046968	0.03654	3.82**	2.24*	3.17**	0.59	0.83	1.41
Ssc.16114.1.S1_at	CACNA2D1	calcium channel volta NM_214183	NM_000722	0.0047401	0.0367726	2.47**	2.4**	2.41**	0.97	0.97	1.01
Ssc.15634.2.S1_a_a	CSNK2A1	casein kinase 2, alpha BP159852	NM_001895	0.0048341	0.0371088	1.6*	1.72**	1.61*	1.07	1	0.94
Ssc.19573.1.S1_at	MOV10	Moloney leukemia vi BI338270	NM_020963	0.0049105	0.0373604	1.66*	1.6*	1.75**	0.96	1.05	1.09
Ssc.15723.1.S1_at	ISYNA1	inositol-3-phosphate CN157463	NM_016368	0.0051763	0.0382606	2.25**	1.57*	1.64*	0.7	0.73	1.04
Ssc.12569.1.A1_at	TPD52	tumor protein D52 XM_001925875	NM_033516	0.0052643	0.0386706	2.37**	2.14**	2.17**	0.9	0.92	1.02
Ssc.13930.1.S1_at	ECOP	EGFR-coamplified at BX926606	NM_030796	0.0053392	0.0391812	2.26**	2.14**	2.21**	0.95	0.98	1.03
Ssc.19258.1.S1_at	KCNJ9	potassium inwardly-r BF444827	NM_004983	0.0054029	0.0393759	2.04**	1.93**	1.89**	0.95	0.92	0.98
Ssc.3070.1.S1_at	HIST1H2AK	histone cluster 1 H2a XM_001927612	NM_003529	0.0054033	0.0393759	6.54**	2.82*	3.56**	0.43	0.54	1.26
Ssc.18282.1.S1_at		CK461683		0.0054291	0.0394757	1.99**	1.62*	1.38	0.82	0.69	0.85
Ssc.2099.1.S1_at	KIF23	kinesin family memb CO939739	NM_004856	0.0054738	0.0395368	5.79**	2.27*	3.16**	0.39*	0.55	1.39
Ssc.4833.1.S1_at		BI181434		0.0056699	0.0403493	1.82*	1.85*	1.88*	1.01	1.03	1.02
Ssc.432.1.S1_at	BIRC5	baculoviral IAP repe NM_214141	NM_001168	0.0058097	0.0410519	3.74**	1.79*	2.26*	0.48*	0.61	1.26
Ssc.7190.1.S1_at	BUB1B	budding uninhibited l CK457921	NM_001211	0.0058332	0.0411582	4.39**	2.03*	3.22**	0.46*	0.73	1.59
Ssc.18551.1.S1_at	PKIG	protein kinase (cAMINM_214371	NM_007066	0.0059982	0.0414482	3.36**	2.32**	2.61**	0.69	0.78	1.12
Ssc.12156.1.A1_at	FAM124B	Protein FAM124B BQ603692	NM_024785	0.0060356	0.041586	5.92**	2.41*	5.43**	0.41	0.92	2.25
Ssc.3426.1.A1_at	SUSERK3/MAP	extracellular related k XM_001925291	NM_002748	0.0060747	0.0417771	1.81*	1.67*	1.76*	0.92	0.98	1.06
Ssc.17239.1.S1_at	B3GNT5	UDP-GlcNAc betaGz NM_214327	NM_032047	0.0060928	0.0417879	2.76**	1.56	2.12**	0.56*	0.77	1.36
Ssc.22336.2.A1_at	HOXB7	homeobox B7 CF792053	NM_004502	0.0061307	0.0419259	2.02**	1.73*	2.41**	0.86	1.19	1.39
Ssc.4098.1.A1_at	MAP3K11	mitogen-activated pro BG732425	NM_002419	0.0061485	0.0419307	3.06**	2.81**	2.55**	0.92	0.83	0.91
Ssc.19075.1.A1_at	SMURF2	SMAD specific E3 ul CF368898	NM_022739	0.0061876	0.0420404	2.05**	1.9**	1.65*	0.93	0.81	0.87
Ssc.13587.2.S1_at	ANK3	ankyrin 3 CK466243	AF070591	0.0062409	0.0422854	2.13**	2.24**	1.97**	1.05	0.92	0.88
Ssc.27195.1.A1_at	ANO1	anoctamin 1, calcium CN165941	NM_018043	0.0063627	0.0426378	3.6**	3.07**	2.61**	0.85	0.72	0.85
Ssc.2131.1.S1_at	TMTC1	transmembrane and t CK451780	NM_175861	0.006433	0.0428714	1.87*	0.94	0.94	0.5*	0.5*	1
Ssc.20812.2.S1_at	RFTN1	raftlin, lipid raft linke XM_001925353	NM_015150	0.0065469	0.0431729	2.09**	2.27**	1.91**	1.08	0.91	0.84
Ssc.4227.1.S1_at	CLDN5	claudin 5 XM_001927547	NM_003277	0.0067124	0.0435802	2.35**	2.22**	2.2**	0.94	0.94	0.99
Ssc.20050.1.S1_at	ASF1B	ASF1 anti-silencing f CK455016	NM_018154	0.0067141	0.0435802	3.47**	0.98	1.79	0.28**	0.52	1.83
Ssc.770.1.S1_at	PRR13	proline rich 13 CF365122	NM_018457	0.006801	0.0438805	1.98**	1.69*	1.6	0.85	0.81	0.95
Ssc.7221.1.S1_at	H2AFV	H2A histone family, BF708411	NM_012412	0.0069103	0.0442829	1.76*	1.62*	1.87*	0.92	1.06	1.16
Ssc.20353.1.S1_at	MALAT1	metastasis associated AW437138	NR_002819	0.0071691	0.0449672	2.12**	2**	1.66*	0.94	0.78	0.83
Ssc.5648.1.A1_at	ELMO1	engulfment and cell r BF702975	NM_130442	0.0074203	0.0457323	2.36**	1.96**	1.96**	0.83	0.83	1
Ssc.5660.1.A1_at	TMEM106B	transmembrane prote CF368701	NM_018374	0.0074268	0.0457323	2.2**	2.2**	2.21**	1	1.01	1.01
Ssc.31130.1.A1_at	IGF1	insulin-like growth fa CN153555	NM_000618	0.0074476	0.045771	2.16**	1.77*	2.3**	0.82	1.07	1.3
Ssc.390.2.S1_at	HIF1A	hypoxia inducible fac NM_001123124	NM_017902	0.0074724	0.0457916	2.34**	2.58**	2.22**	1.1	0.95	0.86
Ssc.15352.1.S1_at	FAM117A	family with sequence CA778635	NM_030802	0.0074767	0.0457916	1.93*	1.43	1.81*	0.74	0.93	1.26
Ssc.7437.1.A1_at	L2HGDH	L-2-hydroxyglutarate BQ602734	NM_024884	0.0075661	0.0458017	2.08**	1.95**	2.44**	0.94	1.17	1.25
Ssc.21236.1.S1_at	RALGPS2	Ral GEF with PH doi CN154805	NM_152663	0.0076354	0.0458017	2.51**	1.95*	2.4**	0.77	0.95	1.23

Ssc.16367.2.S1_a_a	TSHR	thyroid stimulating h	NM_214297	NM_000369	0.0076873	0.0458555	3.36**	1.97*	2.09*	0.59*	0.62	1.06
Ssc.1142.1.S1_at	NQO1	NADH and NAPH de	NM_001159613	NM_000903	0.0078091	0.0460359	3.39**	1.95	4.03**	0.57	1.19	2.07*
Ssc.21730.1.S1_at	LMNB1	lamin B1	CK450244	NM_002199	0.007818	0.0460359	4.46**	2.02*	2.27*	0.45*	0.51	1.13
Ssc.2258.1.S1_at	GATA6	transcription factor G	NM_214328	NM_005257	0.007934	0.0465117	2.8**	1.83*	1.2	0.65	0.43**	0.66
Ssc.3832.1.S1_at	AQP3	aquaporin 3	NM_001110172	NM_004925	0.0079445	0.0465189	6.15**	2.24*	2.2*	0.36*	0.36*	0.98
Ssc.17522.1.A1_at	ALDH1A2	aldehyde dehydrogen CO	993758	NM_003888	0.0082193	0.0473669	2.56**	2.29**	1.71*	0.89	0.67	0.75
Ssc.16096.2.S1_a_a	KIT	v-kit Hardy-Zuckerm	BP141688	NM_000899	0.0082511	0.0473684	2.85**	1.97*	2.85**	0.69	1	1.44
Ssc.29522.1.A1_at	TARDBP	TAR DNA binding p	CO941348	NM_007375	0.0082964	0.04748	2.62**	1.9*	1.93*	0.72	0.74	1.02
Ssc.773.2.S1_a_at	HIST1H2BD	histone cluster 1 H2b	XM_001927879	NM_021063	0.0083926	0.0478066	2.15**	2.29**	2.04**	1.06	0.95	0.89
Ssc.26025.1.S1_at	KIF21A	kinesin family memb	BX926531	NM_017641	0.0084266	0.0478977	2.17**	1.84*	1.95**	0.85	0.9	1.06
Ssc.7621.1.A1_at	ANLN	anillin actin binding	CK457029	NM_018685	0.0085643	0.0484307	3.49**	1.78*	2.19*	0.51*	0.63	1.23
Ssc.24183.1.S1_at	CENPN	centromere protein N	CK456980	NM_018455	0.0085683	0.0484307	2.67**	1.07	1.66	0.4**	0.62	1.56
Ssc.773.1.S1_at	HIST1H2BD	histone cluster 1, H2i	XM_001928617	NM_021063	0.008608	0.0485432	1.9*	1.88*	1.81*	0.99	0.95	0.97
Ssc.18174.1.A1_at	Zfp706	zinc finger protein 70	BQ597405	NM_016096	0.0086329	0.0486074	2.51*	2.05	2.28*	0.82	0.91	1.11
Ssc.10410.1.A1_at	BHLHB9	basic helix-loop-heli	CF180460	NM_030639	0.0087035	0.0487813	2.31**	1.33	1.62*	0.58*	0.7	1.22
Ssc.12652.1.A1_at	HOXA10	homeobox A10	BI403142	NM_018951	0.0087572	0.048972	3.61**	3.14**	3.15**	0.87	0.87	1
Ssc.24731.1.A1_at	MEX3B	mex-3 homolog B	CK463945	NM_032246	0.0088623	0.0493518	2.64**	2.37**	2.32**	0.9	0.88	0.98
Ssc.9365.1.S1_at	IGF2	insulin-like growth fa	NM_213883	NM_006546	0.0088859	0.0493881	2.35**	1.55	0.95	0.66	0.4**	0.61*
Ssc.27717.1.S1_at	BLZF1	basic leucine zipper r	BE013963	NM_003666	0.0089601	0.0497254	3.01**	0.95	1.53	0.32**	0.51*	1.61

Cluster 2: transcripts demonstrating increasing expression levels over time course

Ssc.31052.1.A1_at	FAM63B	family with sequence	CK460889	NM_001040450	0.0000023	0.0056205	1.36***	1.58***	1.82***	1.16*	1.34***	1.15*
Ssc.847.1.S1_at	TFDP2	Transcription factor I	CK456459	NM_006286	5.39E-06	0.0063885	2.14**	2.55**	2.01**	1.19*	0.94	0.79*
Ssc.26200.1.S1_at	THRB	thyroid hormone rece	BX919092	NM_000461	0.0000061	0.0063885	2.98**	4.7**	6.46**	1.57*	2.16**	1.38
Ssc.210.1.S1_a_at	HLA-DQB1	MHC class II histoco	NM_001113695	NM_002123	0.0000155	0.0063885	3.4**	4.53**	4.65**	1.33	1.37	1.03
Ssc.9771.1.A1_at	ERG	v-ets erythroblastosis	CN069699	NM_004449	0.0000171	0.0063885	1.66**	2.07**	2.14**	1.25*	1.29**	1.03
Ssc.24222.1.A1_at	CLIP1	CLIP1 protein	XM_001928981	NM_002956	0.0000173	0.0063885	2.86**	2.86**	3.69**	1	1.29	1.29
Ssc.18261.1.S1_at	PSTPIP2	proline-serine-threon	CF180587	NM_024430	0.0000175	0.0063885	5.34**	6.94**	6.75**	1.3	1.26	0.97
Ssc.3699.1.S1_at	PDZD2	PDZ domain containi	BQ600865	NM_178140	0.0000181	0.0063885	1.7**	2.57**	1.99**	1.51**	1.17	0.77*
Ssc.12578.1.A1_at	IGF1	insulin-like growth fa	BI402878	NM_000618	0.0000242	0.0070965	2.48**	2.27**	2.66**	0.91	1.07	1.17
Ssc.18950.1.A1_at			CF364970		0.0000275	0.0077384	3.09**	3.15**	2.01**	1.02	0.65**	0.64**
Ssc.9202.1.A1_at	DCAF6	DDB1 and CUL4 ass	XM_001926863	NM_018442	0.0000285	0.0077384	1.75**	2.09**	2.28**	1.19	1.3*	1.09
Ssc.5962.1.A1_at	MBD2	methyl-CpG binding	XM_001924627	NM_003927	0.0000319	0.0077954	1.84***	1.92***	1.91***	1.04	1.04	0.99
Ssc.10541.1.S1_a_a	UBC	ubiquitin C	XM_001925239	NM_021009	0.0000396	0.0078462	1.4***	1.49***	1.37***	1.06	0.98	0.92
Ssc.7761.1.A1_at	MECOM	MDS1 and EVI1 con	BF712151	NM_004991	0.0000435	0.0081375	1.8**	2.01**	1.79**	1.12	0.99	0.89
Ssc.14117.1.A1_at	DEPDC7	DEP domain containi	CK450499	NM_139160	0.0000444	0.0081375	3.13**	3.34**	3.5**	1.07	1.12	1.05
Ssc.494.1.S1_at	TMEM56	transmembrane prote	CK461662	NM_152487	0.0000498	0.0086926	2**	2.62**	3.6**	1.31	1.8**	1.37*
Ssc.5924.1.S1_at	MAPK3	mitogen-activated pro	CO954257	NM_002746	0.0000541	0.0091638	1.16*	1.22*	1.55***	1.05	1.33***	1.28**
Ssc.2647.1.S1_at	ADIPOR2	adiponectin receptor	NM_001007192	NM_024551	0.000055	0.0091638	1.57**	1.89***	1.82***	1.2	1.16	0.96

Ssc.2037.1.S1_at	TMEM132A	transmembrane prote	AW416044	NM_017870	0.0000594	0.0092162	6.12**	6.27**	5.16**	1.02	0.84	0.82
Ssc.5348.1.S1_at	OSGIN2	oxidative stress induc	BQ604034	NM_004337	0.0000648	0.0095011	1.73**	1.78**	2.01**	1.02	1.16	1.13
Ssc.11096.1.S1_at	OXCT1	3-oxoacid CoA transf	NM_213938	NM_000436	0.0000764	0.0103199	3.8**	3.81**	4.34**	1	1.14	1.14
Ssc.5481.1.A1_at	ATP6V1G1	ATPase, H+ transpor	XM_001928928	NM_004888	0.0000842	0.0103199	1.12	1.2**	1.43***	1.07	1.28**	1.19*
Ssc.22945.1.S1_at	AMPD1	adenosine monophos	NM_001123076	NM_000036	0.0000855	0.0103199	2.72**	2.78**	2.9**	1.02	1.06	1.04
Ssc.4122.1.A1_s_at	TMSB4X	thymosin beta 4, X-li	NM_001141991	AK055976	0.0000903	0.0103199	1.46***	1.57***	1.46***	1.08	1	0.93
Ssc.31212.1.S1_at	CASP8	caspase 8, apoptosis-i	NM_001031779	NM_033358	0.0000951	0.0104058	2.84**	3.03**	2.68**	1.07	0.94	0.88
Ssc.1037.1.S1_at	ITM2B	integral membrane pr	NM_001042375	NM_021999	0.0000967	0.0104252	1.56***	1.75***	1.53***	1.12	0.98	0.87
Ssc.3337.1.A1_at	ZC3H11A	zinc finger CCCH-tyl	CK463858	NM_014827	0.0001099	0.0111639	1.55***	1.68***	1.72***	1.08	1.11	1.03
Ssc.27665.1.S1_at	MYH8	myosin heavy chain 8	BX926893	NM_002472	0.00011	0.0111639	3.15**	3.26**	3.62**	1.03	1.15	1.11
Ssc.15909.1.S1_at	MYH4	myosin heavy chain 4	NM_001123141	NM_017533	0.000115	0.0113645	5.23**	5.66**	6.01**	1.08	1.15	1.06
Ssc.5605.1.A1_at	ITPR1	inositol 1,4,5-triphos	AJ661915	NM_002222	0.0001198	0.0113645	1.95**	2.19**	1.87**	1.13	0.96	0.85
Ssc.4161.1.A1_at	MAP3K7IP2	mitogen-activated pro	BQ598976	NM_015093	0.0001323	0.0118248	1.33*	1.71***	1.91***	1.29	1.44**	1.11
Ssc.4121.1.S1_at	C16orf72	chromosome 16 open	BF702745	NM_014117	0.0001446	0.0121834	1.64**	1.96***	1.81***	1.19	1.1	0.92
Ssc.23268.1.A1_at	FAM149B1	Protein FAM149B1	CF367822	NM_173348	0.0001494	0.0123097	1.49**	1.45**	1.96***	0.98	1.31*	1.35*
Ssc.21665.1.A1_at	DCAF10	DDB1 and CUL4 ass	CN163140	NM_024345	0.0001557	0.0123686	1.11	1.61***	1.69***	1.45**	1.53**	1.05
Ssc.15868.1.S1_at	OCLN	occludin	NM_001163647	NM_002538	0.0001561	0.0123686	1.71**	2.57**	1.76**	1.5**	1.03	0.68**
Ssc.9972.1.A1_at	SEMA3G	FLJ00014 protein	BI399554	NM_012095	0.0001633	0.0123686	1.87**	2.87**	2.31**	1.53**	1.24	0.81
Ssc.21810.1.S1_at	PON3	paraoxonase 3	NM_001044604	NM_000940	0.0001634	0.0123686	5.88**	8.55**	7.77**	1.45	1.32	0.91
Ssc.15242.1.S1_at	TNFRSF1B	tumor necrosis factor	CK467716	NM_001066	0.0001637	0.0123686	1.37*	1.95***	1.52**	1.42*	1.11	0.78
Ssc.16730.1.S1_at	ANGPT1	angiopoietin 1	NM_213959	NM_001146	0.0001702	0.0127329	3.82**	3.69**	5.55**	0.97	1.45	1.5
Ssc.5990.1.S1_at	TRPC4AP	TRPC4-associated pr	XM_001927363	NM_015638	0.0001836	0.0128698	1.06	1.17***	1.12**	1.11**	1.06	0.96
Ssc.7392.1.S1_at	CALM2	Homo sapiens calmo	CO951225	NM_001743	0.0001877	0.0128698	2.24**	2.29**	2.44**	1.02	1.09	1.06
Ssc.21946.1.S1_at	HS6ST1	heparan sulfate 6-O-s	BG834099	NM_004807	0.0002007	0.0128698	1.59**	2.01**	2.26**	1.26	1.42**	1.13
Ssc.29588.1.A1_at	DST	dystonin	XR_045387	NM_001723	0.0002034	0.0128698	2.79**	3.63**	3.08**	1.3	1.11	0.85
Ssc.30870.1.A1_at	ANKRD37	ankyrin repeat domai	XM_001927723	NM_181726	0.0002099	0.0128698	37.25**	38.99**	35.83**	1.05	0.96	0.92
Ssc.10199.2.S1_a_a	DTNBP1	dystrobrevin binding	NM_001098600	NM_032122	0.0002107	0.0128698	2.08**	2.39**	2.93**	1.15	1.41*	1.22
Ssc.1133.1.S1_at	GNG11	guanine nucleotide bi	CK463371	NM_004126	0.0002334	0.0138012	2.16**	2.27**	2.01**	1.05	0.93	0.89
Ssc.12989.1.A1_at	YIPF6	Yip1 domain family 1	BQ602424	NM_173834	0.0002406	0.013986	2.08**	2.1**	2.02**	1.01	0.97	0.96
Ssc.494.1.S2_at	TMEM56	transmembrane prote	CK463653	NM_152487	0.0002523	0.0141055	1.46*	2.1**	2.73**	1.44*	1.87**	1.3
Ssc.912.1.S1_at	YPEL5	yippee-like 5	XP_35 CO949390	NM_016061	0.0002599	0.0141055	1.28*	1.6**	1.72***	1.25	1.34*	1.07
Ssc.1629.1.S1_at	EIF2C1	eukaryotic translatio	BF710597	NM_012199	0.0002645	0.0141055	1.49**	1.62***	1.41**	1.09	0.95	0.88
Ssc.12654.2.A1_at	MEF2A	myocyte enhancer fac	BM190416	NM_005587	0.000273	0.0141055	1.42**	1.6***	1.6***	1.13	1.13	1
Ssc.11618.1.A1_at	ITM2A	integral membrane pr	NM_001031798	NM_004867	0.0002767	0.0141055	2.07**	2.43**	2.16**	1.17	1.04	0.89
Ssc.22750.1.S1_at	EVII	MDS1 and EVII com	CK453983	NM_004991	0.0002794	0.0141055	2.1**	2.29**	1.9**	1.09	0.91	0.83
Ssc.11404.1.A1_at	ATXN1	ataxin 1	CF359642	AW235612	0.0002819	0.0141055	1.77**	2.31**	2.61**	1.3	1.47*	1.13
Ssc.4717.1.S1_at	PHKB	phosphorylase kinase	CN161493	NM_001031835	0.0002851	0.0141055	2.11**	2.39**	2.51**	1.13	1.19	1.05
Ssc.7832.1.A1_at	LRP6	low density lipoprote	BQ597827	NM_002336	0.0002898	0.0141055	1.42**	1.57***	1.48**	1.11	1.04	0.94

Ssc.11618.2.S1_at	ITM2A	integral membrane pr	NM_001031798	NM_004867	0.0002916	0.0141055	3.03**	3.39**	2.6**	1.12	0.86	0.77
Ssc.8346.1.A1_at	CDC2L1	cell division cycle 2-l	XM_001928297	NM_001018108	0.0002927	0.0141055	1.43*	2.44**	1.78**	1.7**	1.24	0.73*
Ssc.21023.1.S1_at	NEK7	NIMA (never in mito	CF789072	NM_133494	0.0002971	0.0141055	1.73**	2.27**	2.34**	1.31	1.35*	1.03
Ssc.30756.1.S1_at	RNF170	ring finger protein 17	AW358814	NM_030954	0.0003055	0.0141772	1.56**	1.6***	1.57***	1.03	1.01	0.98
Ssc.28646.1.A1_at	TCF4	transcription factor 4	AJ669325	NM_003199	0.0003117	0.0141916	2.09**	1.99**	1.92**	0.96	0.92	0.96
Ssc.13830.1.S1_at	CDC34	Cell division cycle 3 ϵ	CK456581	NM_030771	0.0003203	0.0144076	1.67**	1.76**	2.09**	1.06	1.25*	1.19
Ssc.4147.1.S1_at	CCNYL1	cyclin Y-like 1	BG609032	NM_152523	0.0003493	0.0148621	1.97**	2.6**	2.66**	1.32	1.35	1.02
Ssc.18988.1.S1_at	ZHX1	zinc fingers and hom	XM_001928633	NM_007222	0.0003512	0.0148621	1.56**	1.82**	2.07**	1.17	1.33*	1.14
Ssc.2491.1.S1_at	CAMK2G	calcium/calmodulin-c	CF363021	NM_172171	0.0003556	0.0148621	2.8**	3.39**	3.5**	1.21	1.25	1.03
Ssc.19192.2.A1_at	C20orf108	chromosome 20 open	CF362897	NM_080821	0.0003619	0.0148621	1.83**	2.82**	2.85**	1.54*	1.56*	1.01
Ssc.27613.1.S1_at	OPTN	optineurin	NM_213961	NM_001008211	0.0003635	0.0148621	2.92**	2.85**	3.13**	0.98	1.07	1.1
Ssc.715.1.S1_at	MB	myoglobin	NM_214236	NM_203377	0.0003756	0.0148621	4.55**	5.8**	5.3**	1.27	1.17	0.91
Ssc.9544.2.S1_a_at	C-FLIP	cellular FLICE-like i	NM_001001628	NM_003879	0.0003789	0.0148621	1.35**	1.37**	1.45***	1.02	1.08	1.06
Ssc.30689.1.A1_at	CCDC82	coiled-coil domain cc	CO987866	NM_024725	0.0004138	0.0148621	1.52**	1.98**	2.08**	1.3*	1.37*	1.05
Ssc.995.1.A1_at	PCNX	Pan troglodytes pecar	BI400346	NM_014982	0.0004203	0.0148621	1.23	1.94**	1.87**	1.58*	1.52*	0.96
Ssc.11102.1.S1_at	HLA-DQA1	MHC class II histoco	NM_001114062	NM_002122	0.0004265	0.0148707	2.5**	2.96**	3.16**	1.18	1.26	1.07
Ssc.24254.1.S1_at	CASC4	cancer susceptibility	CK454472	NM_138423	0.000428	0.0148707	1.71**	1.95**	2.19**	1.15	1.28	1.12
Ssc.21985.1.S1_at	PPP1R1A	protein phosphatase 1	CK453061	NM_006741	0.0004345	0.0149069	2.28**	2.64**	3.22**	1.16	1.41	1.22
Ssc.16810.1.S1_at	ZCCHC24	zinc finger, CCHC do	CF366180	NM_153367	0.0004404	0.0149465	1.7**	1.91**	1.97***	1.12	1.16	1.03
Ssc.174.1.S1_at	UCP3	uncoupling protein 3	AF128837	NM_003356	0.0004459	0.0150106	2.33**	3.66**	3.47**	1.57*	1.49	0.95
Ssc.53.1.S1_at	OSTF1	osteoclast stimulating	NM_214005	NM_012383	0.0004499	0.0150106	1.58***	1.57**	1.45**	0.99	0.92	0.93
Ssc.21838.1.S1_at	DYNC2LI1	dynein cytoplasmic 2	BX671222	NM_015522	0.000461	0.015154	1.39	2.93**	2.3**	2.1**	1.65*	0.79
Ssc.8405.1.A1_at	TTL7	tubulin tyrosine ligas	BQ601342	NM_024686	0.0004712	0.015154	3.14**	3.6**	4.88**	1.15	1.56	1.36
Ssc.21577.1.A1_at	NR3C1	nuclear receptor subf	CN158365	NM_000176	0.0004998	0.015608	1.33*	1.45**	1.69***	1.09	1.27	1.17
Ssc.11624.1.A1_at	ATL2	atlastin GTPase 2	CK451079	NM_022374	0.0005192	0.0159256	1.96**	2.51**	2.62**	1.28	1.33	1.04
Ssc.3340.1.A1_at	LUC7L3	LUC7-like 3	CO993816	NM_006107	0.0005239	0.0160019	0.84**	1.07	1.08	1.27**	1.29***	1.01
Ssc.17342.1.S1_at	TJP1	tight junction protein	AJ318101	NM_003257	0.0005404	0.0162861	1.68**	2.27**	1.85**	1.35*	1.1	0.82
Ssc.21582.1.S1_at	UBD	ubiquitin D	CO954945	NM_006398	0.0005655	0.0167381	1.87/0.0802	6.18**	7.27**	3.3**	3.88**	1.18
Ssc.24411.3.S1_a_a	PLBD1	phospholipase B donr	CK463788	NM_024829	0.0005709	0.0167381	2.37**	2.3**	3.86**	0.97	1.63*	1.68*
Ssc.3804.1.A1_at	CYP27A1	cytochrome P450, far	CN153890	NM_000784	0.0005718	0.0167381	1.97**	2.5**	2.75**	1.27	1.4	1.1
Ssc.11143.1.S1_at	PGAM2	phosphoglycerate mu	NM_001134968	NM_000290	0.0005903	0.0169039	1.98**	2.06**	2.31**	1.04	1.17	1.12
Ssc.11206.1.A1_at	CNO	cappuccino homolog	CK450742	NM_018366	0.0005959	0.0169252	1.59**	1.83***	1.64**	1.15	1.03	0.9
Ssc.5930.1.S1_at	CELSR2	cadherin, EGF LAG	CK457068	NM_001408	0.000598	0.0169252	1.94**	2.46**	2.31**	1.27	1.19	0.94
Ssc.24818.1.A1_at	MSTN	myostatin	CK465663	NM_005259	0.0006171	0.0172658	1.01	1.89**	1.87**	1.87**	1.84**	0.99
Ssc.20080.1.S1_at	OAZ1	ornithine decarboxyl	NM_001122994	NM_004152	0.0006199	0.0172796	1.53**	1.55**	1.64**	1.01	1.07	1.06
Ssc.10646.1.A1_at	EFR3A	EFR3 homolog A	BQ597516	NM_015137	0.0006509	0.0177734	1.95**	1.97**	2.08**	1.01	1.07	1.05
Ssc.10763.1.A1_at	GPD2	glycerol-3-phosphate	CN154075	NM_000408	0.0006644	0.0179086	2.27**	2.71**	4.14**	1.2	1.83*	1.53
Ssc.18411.1.A1_at	CHD2	chromodomain helic	XM_001926358	NM_001271	0.0007157	0.0182608	1.65**	1.82**	2.28**	1.1	1.38*	1.26

Ssc.11056.2.S1_a_aIGHM	immunoglobulin heav	BP156894	X14939	0.0007181	0.0182608	5.15**	9.82**	9.65**	1.91	1.87	0.98
Ssc.20489.1.S1_s_aMDK	midkine	CN166538	NM_002391	0.0007359	0.018282	4.77**	4.61**	4.11**	0.97	0.86	0.89
Ssc.6531.1.A1_at SPARCL1	SPARC-like 1 (hevin	NM_001097422	NM_004684	0.0007365	0.018282	1.73**	1.89***	1.56*	1.09	0.9	0.83
Ssc.18050.2.S1_at ZRANB1	zinc finger RAN-bin	XM_001929009	NM_017580	0.0007376	0.018282	2.44**	3.1**	3.02**	1.27	1.24	0.97
Ssc.19866.1.S1_at CA3	carbonic anhydrase II	NM_001008688	NM_005181	0.000744	0.018282	3.69**	3.81**	4.24**	1.03	1.15	1.11
Ssc.31011.1.A1_at NEDD4	neural precursor cell	CO993578	NM_006154	0.0007456	0.018282	1.82**	2.36**	2.74**	1.3	1.5*	1.16
Ssc.2205.1.S1_a_at FLOT1	flotillin 1	XM_001924230	NM_005803	0.0007683	0.0185898	1.91**	2**	2.25**	1.05	1.18	1.13
Ssc.1896.2.A1_a_at GAMT	guanidinoacetate N-n	CN162933	NM_000156	0.000777	0.0186397	7.59**	9.36**	9.99**	1.23	1.32	1.07
Ssc.28919.1.A1_at UBR2	ubiquitin protein liga	CN159337	NM_015255	0.0007944	0.0189083	1.33	2.11**	2.38**	1.59*	1.79**	1.13
Ssc.10593.1.S1_at IFI44L	interferon-induced pr	CB288192	NM_006820	0.0008053	0.0189325	3.13**	7.89**	3.43**	2.52*	1.1	0.43*
Ssc.13780.12.S1_a_HLA-B	MHC class I antigen	NM_001113702	NM_002116	0.000809	0.0189325	2**	2.58**	2.38**	1.29	1.19	0.92
Ssc.7304.2.A1_at IRS1	insulin receptor subst	BQ598573	NM_005544	0.0008127	0.0189325	1.95*	3.32**	4.26**	1.7	2.19*	1.28
Ssc.204.1.S1_at CYP3A29	cytochrome P450 3A	NM_214423	NM_000777	0.0008148	0.0189325	3.03*	6.37**	21.35**	2.1	7.04**	3.35*
Ssc.8655.1.A1_at MBNL2	muscleblind-like 2	BQ602843	NM_144778	0.0008149	0.0189325	1.36*	1.66**	2.01**	1.22	1.48**	1.21
Ssc.22100.1.S1_at SH3BGR	SH3 domain-binding	CO941938	NM_031286	0.0008187	0.0189325	1.93**	2.11**	2.21**	1.09	1.15	1.05
Ssc.1094.1.S1_at GLO1	glyoxalase I	XM_001927957	NM_006708	0.0008258	0.018992	2.2**	2.44**	2.6**	1.11	1.18	1.07
Ssc.87.1.S1_at EGF	epidermal growth fac	NM_214020	NM_001963	0.0008309	0.019003	4.41**	4.35**	4.81**	0.99	1.09	1.1
Ssc.22500.1.S1_at BPGM	2,3-bisphosphoglycer	CF795382	NM_001724	0.0008408	0.0190705	4.09**	3.5**	4.7**	0.85	1.15	1.34
Ssc.13067.1.A1_at ABCC4	ATP-binding cassette	BQ604056	NM_005845	0.0008492	0.0191531	1.39*	2.35**	2.16**	1.69**	1.55*	0.92
Ssc.26279.1.S1_a_aMYL4	myosin light chain 4	CN162755	NM_002476	0.0008603	0.0192263	1.26	1.61**	2.26**	1.27	1.79**	1.41*
Ssc.19651.1.S1_at DCAF8	DDB1 and CUL4 ass	CK461456		0.0008701	0.0192356	1.51*	1.73**	1.84**	1.15	1.22	1.06
Ssc.11945.2.S1_at SGCD	Sarcoglycan, delta (3	NM_001144123	BX537948	0.0008765	0.0192356	2.29**	2.51**	2.85**	1.1	1.24	1.14
Ssc.15621.1.A1_at PCYOX1	Homo sapiens prenyl	BG894549	NM_016297	0.0008918	0.0193994	1.81**	1.93**	2.08**	1.06	1.15	1.08
Ssc.21018.2.S1_at SUV420H1	suppressor of variega	BP460924	NM_016028	0.0008975	0.0194466	2.08**	2.64**	2.2**	1.27	1.06	0.83
Ssc.12985.1.A1_at CALM1	calmodulin 1	BI404473	NM_006888	0.0009346	0.0196879	2.61**	2.73**	2.95**	1.05	1.13	1.08
Ssc.27556.1.S1_at FAM46C	family with sequence	CN166368	NM_017709	0.0009429	0.019694	2.33**	2.42**	2.81**	1.04	1.2	1.16
Ssc.6470.1.A1_at GLO1	glyoxalase I	XM_001927957	NM_006708	0.0009608	0.0196965	1.91**	2.18**	2.33**	1.14	1.22	1.07
Ssc.4818.1.A1_at C7orf60	chromosome 7 open r	CK463713	NM_152556	0.0009649	0.0196965	1.85**	2**	2.24**	1.08	1.21	1.12
Ssc.9388.1.A1_at RNF130	ring finger protein 13	BF710406	NM_018434	0.0009703	0.0196965	1.76**	1.81**	2.13**	1.03	1.21	1.17
Ssc.29842.1.A1_at GPD2	glycerol-3-phosphate	CK464578	NM_000408	0.0009869	0.0198221	2.2**	2.24**	3.38**	1.02	1.54	1.51
Ssc.10338.1.A1_at NCK1	NCK adaptor protein	NM_001137630	NM_006153	0.0010053	0.020003	1.83**	1.72**	1.91**	0.94	1.04	1.11
Ssc.24153.1.S1_at ADSSL1	adenylosuccinate syn	NM_001097509	NM_152328	0.0010077	0.020003	4.95/0.140	5.39**	5.39**	1.09	1.09	1
Ssc.12329.2.S1_at RGS5	regulator of G-protein	AW785745	NM_003617	0.0010096	0.020003	2.16**	2.39**	2.14**	1.1	0.99	0.9
Ssc.24501.1.A1_at CGGBP1	CGG triplet repeat bi	CN153843	NM_003663	0.001023	0.0202148	1.52**	1.59**	1.54**	1.04	1.02	0.97
Ssc.13781.1.A1_at TRDN	triadin	BM251192	NM_006073	0.0010476	0.020646	2.03**	2.26**	2.6**	1.11	1.28	1.15
Ssc.3959.1.S1_at RNF130	ring finger protein 13	BF710406	NM_018434	0.0010664	0.0209033	1.49*	1.59**	1.89**	1.07	1.26	1.19
Ssc.14141.1.A1_at SETD3	SET domain containi	XM_001925288	NM_032233	0.0010714	0.0209079	1.54**	1.47*	1.75**	0.96	1.13	1.18
Ssc.10995.1.S1_at SNN	stannin	CN163298	NM_003498	0.0010864	0.0210146	1.65**	2.17**	1.83**	1.31	1.1	0.84

Ssc.21113.1.A1_at	AK3L1	adenylate kinase 3-like	CF789276	NM_001002921	0.0011023	0.0211552	2.07**	2.36**	2.18**	1.14	1.06	0.92
Ssc.5062.1.S1_at	SEPW1	selenoprotein W, 1	NM_213977	NM_003009	0.001111	0.0211631	2.97**	2.86**	3.48**	0.96	1.17	1.22
Ssc.11641.2.A1_at	PCGF5	polycomb group ring	BI182805	NM_032373	0.0011111	0.0211631	1.28	1.56*	1.93**	1.22	1.51*	1.24
Ssc.23003.1.S1_a_a	AMD1	adenosylmethionine c	CK464707	NM_001634	0.0011526	0.0217481	1.91**	2.08**	1.96**	1.09	1.02	0.94
Ssc.5395.1.S1_at	UBR3	ubiquitin protein liga	BX665103	NM_172070	0.0011983	0.0222944	1.25*	1.44**	1.44**	1.15	1.15	1
Ssc.9586.2.S1_at	SDPR	serum deprivation res	CF791763	NM_004657	0.0012418	0.0225897	2.45**	2.3**	1.58*	0.94	0.65*	0.69*
Ssc.30743.1.S1_at	PHLDB2	pleckstrin homology-	AJ667642	NM_145753	0.0012522	0.0226662	1.69**	1.76**	1.66**	1.04	0.98	0.94
Ssc.210.2.S1_a_at	HLA-DRB1	MHC class II antigen	NM_001113695	NM_002124	0.0012593	0.0227389	2.44**	3.5**	3.66**	1.43	1.5	1.04
Ssc.17275.1.A1_at	VAPA	vesicle-associated me	CN166685	NM_194434	0.0012754	0.0227761	1.39*	1.56**	1.74**	1.12	1.25	1.12
Ssc.9961.1.S1_at	RFWD2	ring finger and WD r	BI399450	NM_022457	0.0012761	0.0227761	1.38*	1.55**	1.46**	1.12	1.06	0.94
Ssc.18574.2.S1_at	CUGBP2	CUG triplet repeat, R	BP157371	NM_006561	0.0012967	0.022906	1.67**	1.64**	1.86**	0.98	1.12	1.14
Ssc.11147.1.S1_at	ALDH2	aldehyde dehydrogen	NM_001044611	NM_000690	0.0013151	0.0230646	3.33**	3.4**	4.43**	1.02	1.33	1.3
Ssc.9400.1.A1_at	JAG1	Jagged 1	XM_001926559	NM_000214	0.0013476	0.0233885	1.49*	1.78**	1.59**	1.19	1.07	0.89
Ssc.2834.1.A1_at	ZYG11B	zyg-11 homolog B	BQ603378	NM_024646	0.0013603	0.0234173	1.39	2.23**	2.37**	1.6*	1.7**	1.06
Ssc.16057.2.S1_a_a	CAPN3	calpain 3	NM_214171	NM_000070	0.0013639	0.0234173	1.87**	2.6**	2.43**	1.39	1.29	0.93
Ssc.2375.1.S1_at	GPI	glucose phosphate isc	NM_214330	NM_000175	0.001409	0.0239115	3.78**	3.7**	3.67**	0.98	0.97	0.99
Ssc.27786.1.S1_at	PFKFB3	6-phosphofructo-2-ki	XM_001927334	NM_004566	0.0014268	0.0239908	1.63/0.112	5.34**	5.14**	3.27**	3.15**	0.96
Ssc.1428.1.A1_at	C20orf108	chromosome 20 open	NM_001113701	NM_080821	0.0014681	0.0241864	2.06**	2.7**	3.03**	1.31	1.47	1.12
Ssc.2932.1.A1_at	TEAD1	TEA domain family 1	AW574384	NM_021961	0.0014899	0.0244577	1.5**	1.54**	1.55**	1.03	1.04	1.01
Ssc.26251.1.S1_a_a	TRDN	triadin	BX673343	NM_006073	0.0015082	0.0244577	1.68**	1.8**	2.07**	1.07	1.23	1.15
Ssc.2425.1.S1_at	TJP1	tight junction protein	BX926350	NM_003257	0.0015113	0.0244577	1.41*	1.74**	1.44*	1.24	1.02	0.83
Ssc.18959.1.A1_at	RHOBTB1	Rho-related BTB dor	CF365136	NM_014836	0.0015147	0.0244577	1.72*	2.63**	3.13**	1.52	1.81*	1.19
Ssc.6289.1.S1_at	RAMP1	receptor (G protein-c	NM_214199	NM_005855	0.001518	0.0244577	2.63**	2.66**	2.92**	1.01	1.11	1.1
Ssc.9586.1.S1_at	SDPR	serum deprivation res	CO992707	NM_004657	0.0015558	0.0248497	2.15**	2.13**	1.47*	0.99	0.68*	0.69*
Ssc.24974.2.S1_at	PEX13	peroxisomal biogene	BP446880	NM_002618	0.001567	0.0249065	2.15**	2.46**	2.27**	1.15	1.06	0.92
Ssc.25702.1.S1_at	COX8A	cytochrome c oxidase	NM_001097500	NM_004074	0.0015919	0.0250886	1.98**	2.07**	2.23**	1.05	1.13	1.08
Ssc.18702.1.A1_at	ZMYM2	zinc finger, MYM-tyl	CF360179	NM_197968	0.0015978	0.0250886	3.02**	2.95**	2.89**	0.98	0.96	0.98
Ssc.19581.1.S1_at	CHD2	chromodomain helic	CF362370	NM_001271	0.0016012	0.0250886	1.14	1.38**	1.3**	1.21*	1.13	0.94
Ssc.10315.1.A1_at			BI400561		0.0016092	0.0250886	1.09	1.96**	1.69*	1.8**	1.55	0.86
Ssc.1628.1.S1_at	GGA3	golgi associated, gam	AW414690	NM_014001	0.0016119	0.0250886	3.3**	3.55**	5.21**	1.08	1.58	1.47
Ssc.14264.1.A1_at	MPP7	membrane protein, p	CN163102	NM_173496	0.0016281	0.0251404	1.28	1.29*	1.59**	1.01	1.24	1.23
Ssc.8213.1.A1_at	PLEKHF2	pleckstrin homology	BQ604546	NM_024613	0.0016387	0.0251859	1.69**	2.1**	2.34**	1.24	1.38*	1.11
Ssc.7331.1.S1_at	PLBD1	phospholipase B dor	BX918407	NM_024829	0.0016506	0.0252699	2.25**	1.98**	3.1**	0.88	1.38	1.56*
Ssc.25202.1.A1_at	KIAA1370		XM_001926714	NM_019600	0.0016649	0.0252699	1.29	1.51**	1.54**	1.17	1.19	1.02
Ssc.19700.1.S1_at	PPP3CB	protein phosphatase	XM_001928015	NM_021132	0.0016793	0.0253354	1.93**	2.17**	2.25**	1.13	1.17	1.04
Ssc.12348.1.S1_at	B2M	beta-2-microglobulin	NM_213978	NM_004048	0.001697	0.0253354	1.84**	2.23**	2.18**	1.21	1.18	0.98
Ssc.21986.1.S1_at	ZNF238	zinc finger protein 23	BX667441	NM_006352	0.0017153	0.0253354	1.24	1.68*	1.92**	1.35	1.54*	1.14
Ssc.26893.1.A1_at	HMCN1	hemicentin 1	CN162687	NM_031935	0.0017205	0.0253354	1.8**	2.62**	2.36**	1.45	1.31	0.9

Ssc.16189.1.S1_at	EDNRA	endothelin receptor ty	NM_214229	NM_001957	0.0017212	0.0253354	1.94**	2.3**	1.99**	1.19	1.03	0.87
Ssc.3315.1.S1_a_at	CUL4A	cullin 4A	BX672623	NM_003589	0.0017348	0.0253565	1.49*	1.69**	1.79**	1.14	1.21	1.06
Ssc.13862.3.S1_at	TMEM131	transmembrane prote	BP438922	NM_015348	0.0017398	0.0253565	1.69**	1.77**	1.81**	1.05	1.07	1.02
Ssc.22137.2.A1_a_	CASK	calcium/calmodulin-c	CK461774	NM_003688	0.0017461	0.0253565	1.35	1.5*	1.71**	1.11	1.27	1.14
Ssc.13780.4.S1_x_ε	ISG15	ISG15 ubiquitin-like	BQ598788	NM_005101	0.0017768	0.0256088	1.84*	2.63**	2.39**	1.43	1.3	0.91
Ssc.18222.2.S1_at	BTBD6	BTB domain containi	AW430757	NM_033271	0.0017775	0.0256088	1.76**	2.25**	2.36**	1.28	1.34	1.05
Ssc.24334.1.S1_at	SPOPL	speckle-type POZ pro	CK449770	NM_001001664	0.0018113	0.0257993	2.26**	2.83**	3.9**	1.26	1.73*	1.38
Ssc.10960.1.S1_at	CA3	carbonic anhydrase II	NM_001008688	NM_005181	0.0018138	0.0257993	3.58**	4.11**	4.4**	1.15	1.23	1.07
Ssc.7034.2.S1_at	PCYOX1	prenylcysteine oxidase	CN161266	NM_016297	0.0018159	0.0257993	1.81**	2.07**	2.18**	1.14	1.2	1.05
Ssc.4310.1.A1_at	EPS15	epidermal growth fac	BQ603086	NM_001981	0.0018672	0.0261736	1.37*	1.55**	1.45**	1.13	1.06	0.94
Ssc.4108.1.S1_at	H2AFV	H2A histone family,	CK451505	NM_012412	0.0018833	0.0263479	1.75**	1.76**	1.7**	1.01	0.97	0.96
Ssc.6915.1.A1_at	UBR2	ubiquitin protein liga	CD572716	NM_015255	0.0019152	0.0265378	1.2	1.42*	1.62**	1.18	1.35*	1.14
Ssc.16989.1.A1_at	CAV1	caveolin 1	NM_214438	NM_001753	0.0019314	0.0265876	1.47**	1.52**	1.45**	1.03	0.99	0.96
Ssc.335.1.S2_at	MSTN	myostatin	NM_214435	NM_005259	0.001933	0.0265876	5**	7.01**	9.03**	1.4	1.81	1.29
Ssc.3452.1.A1_at	DDX26B	DEAD/H box polype	CF361112	NM_182540	0.0019463	0.0266704	1.84**	2.21**	1.45*	1.2	0.79	0.66*
Ssc.4336.1.A1_at	SH3YL1	SH3 domain containi	BQ600981	NM_015677	0.0019692	0.0267511	2.5**	3.74**	3.27**	1.5	1.31	0.87
Ssc.1198.1.S1_at	PCMT1	protein-L-isoaspartate	AF239700	NM_005389	0.0019803	0.0267552	1.48**	1.44*	1.58**	0.98	1.07	1.09
Ssc.5347.1.A1_at	HIPK3	homeodomain interac	CN159666	NM_005734	0.0019817	0.0267552	1.21	1.38**	1.49**	1.15	1.23	1.08
Ssc.11360.1.S1_at	AIDA	axin interactor, dorsa	BI184232	NM_022831	0.0020728	0.0274297	1.89**	2.06**	1.89**	1.09	1	0.92
Ssc.3443.2.S1_at	ARIH2	ariadne homolog 2 (I	BE233606	NM_006321	0.002102	0.0276548	1.07	1.57*	1.7**	1.47*	1.59*	1.08
Ssc.18640.3.S1_at	UBE2D4	ubiquitin-conjugating	BP162640	NM_015983	0.0021125	0.0276548	2.37**	2.42**	2.78**	1.02	1.17	1.15
Ssc.11005.1.A1_at	GAB1	GRB2-associated bin	CK455895	NM_002039	0.0021477	0.0277864	1.54*	1.97**	1.82**	1.28	1.18	0.92
Ssc.19884.1.S1_at	SAV1	salvador homolog 1 (XM_001927720	NM_021818	0.0021491	0.0277864	1.22	1.33*	1.53**	1.09	1.26	1.15
Ssc.19359.2.S1_at	MBP	myelin basic protein	NM_001001546	NM_002385	0.0021653	0.0279235	3.72**	5.63**	5.26**	1.52	1.42	0.93
Ssc.18344.2.A1_at	PYGM	phosphorylase, glyco	BI181197	NM_005609	0.0021707	0.0279235	4.23**	4.66**	4.73**	1.1	1.12	1.02
Ssc.8925.1.S1_at	HBA2	hemoglobin, alpha 2	CF366016	NM_000517	0.0021912	0.0279891	1.19	1.57**	2.07**	1.33	1.75**	1.31
Ssc.4819.1.S1_at	ABCA8	ATP-binding cassette	BX676538	NM_007168	0.0022114	0.0279891	1.3	1.51*	1.71**	1.17	1.32	1.13
Ssc.14229.1.A1_at	DHX29	DEAH (Asp-Glu-Ala)	BQ600915	NM_019030	0.0022148	0.0279891	1.38*	1.53**	1.57**	1.11	1.14	1.02
Ssc.15612.1.S1_at	RTN2	reticulon 2	BG382507	NM_005619	0.0022194	0.0279891	1.62**	2.07**	1.34*	1.28	0.83	0.65**
Ssc.6653.1.S1_at	CEACAM16	carcinoembryonic ant	BF711804	NM_001039213	0.0022227	0.0279891	2.9**	4.04**	4.62**	1.39	1.59	1.14
Ssc.10588.1.A1_at	IFI44L	interferon-induced pr	BX921052	NM_006820	0.0022531	0.0280439	4.09*	10.17**	4.23**	2.48*	1.03	0.42
Ssc.15128.1.S1_at	ARID4B	AT rich interactive do	XM_001924429	NM_016374	0.0022594	0.0280596	1.85**	2.08**	1.85**	1.12	1	0.89
Ssc.16231.3.S1_a_a	IGF1	insulin-like growth fa	NM_214256	NM_000618	0.0022718	0.028063	1.81**	2.18**	2.17**	1.2	1.2	0.99
Ssc.5657.1.S1_at	GPD1	Glycerol-3-phosphate	XM_001926904	NM_005276	0.0022859	0.0280662	4.13**	4.24**	5.72**	1.03	1.39	1.35
Ssc.18222.1.S1_at	BTBD6	kelch repeat and BTE	CF175704	NM_033271	0.0023041	0.0280662	1.44*	1.59**	1.73**	1.11	1.2	1.08
Ssc.20489.1.S1_at	MDK	midkine	CN166538	NM_002391	0.0023085	0.0280662	4.7**	4.09**	3.7**	0.87	0.79	0.9
Ssc.2386.1.S1_a_at	MLC2V/MYL2	myosin light chain 2\	NM_213791	NM_000432	0.0023471	0.0281984	1.48	1.92**	1.98**	1.3	1.34	1.03
Ssc.27513.1.A1_at	PARP1	poly (ADP-ribose) pc	CF364346	NM_001618	0.0023778	0.0283193	1.35*	1.29	2.25**	0.96	1.67**	1.74**

Ssc.24302.1.S1_at	LOC100141139	endonuclease reverse	CK456169		0.0024087	0.0285736	1.47	1.83**	1.76**	1.25	1.19	0.96
Ssc.30065.1.A1_at	LRP6	low density lipoprote	CO949617	NM_002336	0.0024414	0.0287486	1.43*	1.54**	1.46**	1.07	1.02	0.95
Ssc.5732.1.A1_at	PPM1A	protein phosphatase 1	XM_001928595	NM_021003	0.0024889	0.028825	1.08	1.59**	1.57*	1.47*	1.46*	0.99
Ssc.9565.1.S1_at	IFNGR1	Interferon gamma rec	XM_001928690	NM_000416	0.0024947	0.028825	1.59*	1.83**	1.88**	1.15	1.18	1.03
Ssc.23959.1.S1_at	NFE2L3	nuclear factor and ery	CK452454	NM_004289	0.0025002	0.028825	1.67*	3.01**	2.71**	1.8*	1.62*	0.9
Ssc.26624.1.S1_at	PTER	phosphotriesterase re	CN153463	NM_030664	0.0025104	0.028825	2.35**	3.39**	3.8**	1.44	1.62	1.12
Ssc.6432.1.A1_at	EGLN1	egl nine homolog 1 (C	BQ598950	NM_022051	0.0025248	0.028825	1.27	1.57**	1.64**	1.24	1.3	1.05
Ssc.6666.1.A1_at	SCHIP1	schwannomin interac	CO947998	NM_014575	0.0025281	0.028825	1.54*	1.66*	1.95**	1.08	1.27	1.18
Ssc.31165.1.S1_at	CAV2	caveolin 2	NM_001123091	NM_001233	0.0025703	0.0288462	2.18**	2.21**	1.83**	1.01	0.84	0.83
Ssc.17285.2.S1_at	COP55	COP9 constitutive ph	NM_001105300	NM_006837	0.0025758	0.0288462	1.27	1.44*	1.56**	1.13	1.23	1.09
Ssc.2713.1.S1_at	NPAT	nuclear protein, ataxi	CN163228	NM_002519	0.0025828	0.0288462	1.19	1.8**	1.41	1.51*	1.19	0.79
Ssc.1297.1.S1_at	TPI1	triosephosphate isom	NM_001037151	NM_000365	0.002583	0.0288462	2.48**	2.56**	2.62**	1.03	1.06	1.03
Ssc.2295.1.S1_at	AGAP3	ArfGAP with GTPase	AW786940	NM_031946	0.0025852	0.0288462	1.29	2.28**	2.41**	1.77*	1.86**	1.05
Ssc.10015.1.A1_at	RMND5A	required for meiotic r	CK465404	NM_022780	0.0025976	0.0288496	1.86**	2.32**	2.14**	1.25	1.15	0.92
Ssc.15865.1.S1_at	KPNA3	karyopherin alpha 3	XM_001926479	NM_002267	0.0026091	0.0288496	1.9**	2.09**	2.12**	1.1	1.12	1.01
Ssc.14205.1.S1_at	TPP2	tripeptidyl peptidase	BQ600780	NM_003291	0.0026406	0.0288496	1.57*	1.74**	1.59*	1.11	1.02	0.92
Ssc.21828.1.S1_at	SLC37A4	solute carrier family	NM_001142495	NM_001467	0.0026833	0.0291432	4.55**	4.21**	4.32**	0.93	0.95	1.02
Ssc.18541.1.A1_at			CF180095		0.0027185	0.0292267	1.17	1.72**	1.74**	1.47	1.49*	1.01
Ssc.27532.1.A1_at	ATL2	atlastin GTPase 2	CN163286	NM_022374	0.002719	0.0292267	1.39	2.67**	2.56**	1.92*	1.84*	0.96
Ssc.3549.1.S1_at	EPAS1	Endothelial PAS dom	NM_001097420	NM_001430	0.0027737	0.0295485	1.51*	1.84**	1.58*	1.22	1.05	0.86
Ssc.7207.2.A1_at	SP100	SP100 nuclear antige	CF180479	NM_003113	0.0027913	0.0295485	2.83*	5.91**	2.54*	2.09*	0.9	0.43*
Ssc.18344.1.S1_at	PYGM	phosphorylase, glyco	CF179951	NM_005609	0.0027975	0.0295485	2.26**	2.36**	2.55**	1.04	1.13	1.08
Ssc.8137.1.A1_at	STRADB	STE20-related kinase	CO950680	NM_018571	0.0027992	0.0295485	1.99**	1.86**	2.05**	0.94	1.03	1.1
Ssc.28995.3.S1_at	ELMOD3	ELMO and CED-12	BF443612	NM_032213	0.002814	0.0295485	1.96**	2.18**	2.47**	1.11	1.27	1.14
Ssc.1058.1.S1_at	GABARAPL2	GABA(A) receptor-a	CK463898	NM_007285	0.0028214	0.0295485	1.41*	1.57**	1.69**	1.12	1.2	1.07
Ssc.29311.1.A1_at	RMND5A	required for meiotic r	CO953693	NM_022780	0.0028603	0.0297858	1.95**	2.3**	2.13**	1.18	1.1	0.93
Ssc.6540.1.S1_at	ALKBH5	alkB, alkylation repai	CK465371	NM_017758	0.0028921	0.02999	1.23	1.55**	1.49**	1.26	1.21	0.96
Ssc.30637.1.A1_at	TRIM6-TRIM34	TRIM6-TRIM34 reac	BE014093	NM_130390	0.0029085	0.03006	6.22**	16.95**	6.95**	2.72*	1.12	0.41
Ssc.6110.1.A1_at			BQ603466		0.0029394	0.030166	2.39**	2.55**	3.77**	1.06	1.57	1.48
Ssc.21132.1.S1_at	PINK1	PTEN induced putati	BX927049	NM_032409	0.0029421	0.030166	0.86	1.31	1.43*	1.53*	1.66**	1.09
Ssc.21890.1.S1_at	CLIP1	CLIP1 protein	XM_001928981	NM_002956	0.003025	0.030635	1.88**	2.48**	2.71**	1.32	1.44	1.09
Ssc.16135.1.S1_at	GAPDH	glyceraldehyde-3-phc	AF043486	NM_002046	0.0030382	0.0306836	2.5**	2.86**	3.32**	1.14	1.33	1.16
Ssc.5070.1.A1_at	CCNG1	cyclin G1	NM_001031781	NM_004060	0.003073	0.030836	1.36*	1.59**	1.49*	1.17	1.1	0.94
Ssc.13232.2.A1_s	HOXB6	homeobox B6	CF787794	NM_018952	0.0031114	0.0310671	2.03*	3.26**	2.79**	1.6	1.37	0.86
Ssc.11032.1.S1_at	PEBP1	phosphatidylethanol	CO943357	NM_002567	0.0031299	0.0310671	1.55*	1.6**	1.61**	1.03	1.04	1.01
Ssc.16873.1.S1_at	WDR44	WD repeat domain 4	XM_001927734	NM_019045	0.0031655	0.0310671	1.47*	1.64**	1.55*	1.11	1.05	0.95
Ssc.23766.1.S1_at	PHF15	PHD finger protein 1	CO946863	NM_015288	0.0031808	0.0310982	0.92	1.63*	1.35	1.78**	1.47	0.83
Ssc.4196.1.A1_at	ZBTB44	zinc finger and BTB	CK465018	NM_014155	0.0031815	0.0310982	1.28	1.84**	2.26**	1.44	1.77**	1.23

Ssc.1291.1.A1_at	CAV2	caveolin 2	NM_001123091	NM_001233	0.0032089	0.0312544	1.93**	1.65*	1.42	0.86	0.73	0.86
Ssc.24715.1.S1_at	FAM8A1	family with sequence	CK464025	NM_016255	0.0032266	0.0312544	1.06	1.63**	1.49*	1.54*	1.41	0.92
Ssc.6430.1.A1_at	ALDH6A1	aldehyde dehydrogenase	BQ603187	NM_005589	0.0032345	0.0312544	3.13*	6.31**	2.14*	2.02*	0.68	0.34*
Ssc.17996.1.A1_at	BAZ2B	bromodomain adjacent to	AK230833	NM_013450	0.0032693	0.0313976	3.98**	4.91**	4.29**	1.23	1.08	0.87
Ssc.5879.4.S1_a_at	CAMK2G	calcium and calmodulin	NM_214193	NM_001222	0.0032698	0.0313976	2.05**	2.38**	2.69**	1.16	1.31	1.13
Ssc.29366.1.A1_at	TOP1	DNA topoisomerase I	CO954416	NM_052963	0.0032729	0.0313976	3.22**	4.07**	3.25**	1.26	1.01	0.8
Ssc.8833.1.S1_at	IL15	interleukin 15	NM_214390	NM_000585	0.0032807	0.0313986	1.79*	2.69**	2.35**	1.5	1.31	0.87
Ssc.23498.1.S1_s_at	MSTN	myostatin	NM_214435	NM_005259	0.0032957	0.031501	5.68**	10.02**	10.43**	1.77	1.84	1.04
Ssc.19476.1.S1_at	PYGM	Phosphorylase, glycogen	BI181197	NM_005609	0.0033138	0.0315093	5.2**	6.08**	6.01**	1.17	1.16	0.99
Ssc.13780.12.S1_x_at	HLA-A	MHC class I antigen	NM_001113702	NM_002116	0.0033269	0.0315523	1.74*	2.51**	2.25**	1.44	1.29	0.9
Ssc.19151.1.S1_at	FAM69B	Protein FAM69B	CN162742	NM_152421	0.003357	0.0316354	1.91**	2.48**	2.33**	1.3	1.22	0.94
Ssc.19135.1.A1_at	ZC3H11A	zinc finger CCCH-type	BM659349	NM_014827	0.0033959	0.0318358	1.75*	1.82**	1.84**	1.04	1.05	1.01
Ssc.28780.1.A1_at	KLHL7	kelch-like 7	BM190323	NM_018846	0.0034421	0.0320643	2.27**	2.71**	3.08**	1.19	1.35	1.14
Ssc.29738.1.A1_at	HIST1H2BD	histone cluster 1, H2B	CO944155	NM_021063	0.0034683	0.0321336	1.7**	1.95**	2.06**	1.15	1.21	1.06
Ssc.21547.2.S1_at	DENND1B	DENN/MADD domain	CO938500	NM_019049	0.0034809	0.0321392	2.1**	2.49**	2.96**	1.19	1.41	1.19
Ssc.7157.1.A1_at	HBB	hemoglobin, beta	BQ598555	NM_000518	0.0035607	0.0323521	1.24	1.59*	1.99**	1.28	1.61*	1.25
Ssc.22119.1.S1_at	MAPK9	mitogen-activated protein	AJ583708	NM_139070	0.0036144	0.0326767	2.13**	2.15**	2.4**	1.01	1.13	1.12
Ssc.30752.3.S1_at	IFIT1	Interferon-induced protein	CB469191	NM_001548	0.0036232	0.032712	1.38	2.77**	1.32	2.01**	0.96	0.48**
Ssc.13577.1.A1_at	LMBRD2	LMBR1 domain containing	BQ602761	NM_001007527	0.0036633	0.0328311	1.51*	1.46*	1.81**	0.97	1.2	1.24
Ssc.14386.1.A1_at	CCNG2	cyclin G2	CN162732	NM_004354	0.0036842	0.0329275	2.62**	2.93**	2.77**	1.12	1.06	0.95
Ssc.13453.3.A1_at	NUDT15	nudix-type motif 15	BQ601804	NM_018283	0.003692	0.0329275	3.98**	3.99**	3.84**	1	0.97	0.96
Ssc.17347.1.S1_at	PC	pyruvate carboxylase	NM_214349	NM_000920	0.0037072	0.0329974	2.43**	3.61**	2.93**	1.48	1.2	0.81
Ssc.21646.1.S1_at	HBS1L	HBS1-like (S. cerevisiae)	XM_001926551	NM_006620	0.0037333	0.0330546	1.54*	1.61*	1.67**	1.04	1.08	1.04
Ssc.19342.1.A1_at	RNF145	ring finger protein 14	CF368168	NM_144726	0.0037481	0.0331375	0.84	1.66*	1.22	1.97**	1.44	0.73
Ssc.1094.2.S1_at	GLO1	glyoxalase I	XM_001927957	NM_006708	0.0038087	0.0333991	2.57**	2.55**	2.91**	0.99	1.13	1.14
Ssc.15267.1.S1_at	PLEKHF1	pleckstrin homology domain	CK462660	NM_024310	0.0038469	0.0336941	1.51*	2.25**	1.92**	1.49*	1.27	0.85
Ssc.23857.1.S1_at	ALAS2	aminolevulinic acid	CO939942	NM_000032	0.0038903	0.0339056	0.96	1.48	2.58**	1.54	2.7**	1.75*
Ssc.19660.1.S1_at	INO80C	INO80 complex subunit	CF364960	NM_052879	0.0039178	0.03399	1.26	1.5*	2.14**	1.18	1.69**	1.43*
Ssc.18084.1.S1_at	DNAJC12	DnaJ (Hsp40) homolog	XM_001925242	NM_021800	0.0039562	0.0341612	3.68**	3.35**	3.59**	0.91	0.98	1.07
Ssc.13226.1.A1_at	PARP9	poly (ADP-ribose) polymerase	BQ604865	NM_031458	0.0039749	0.0341747	2.43**	3.7**	2.13*	1.52	0.88	0.58
Ssc.18640.1.S1_at	UBE2D4	ubiquitin-conjugating enzyme	BX920140	NM_015983	0.0039784	0.0341747	2.13**	2.14**	2.52**	1	1.18	1.18
Ssc.15105.1.S1_at	STC1	stanniocalcin 1	BP141278	NM_003155	0.0040112	0.0343384	2.15*	4.29**	1.95*	2*	0.91	0.45*
Ssc.9288.1.A1_at	STAMBPL1	STAM binding protein	BF710115	NM_020799	0.0040236	0.0343384	0.75	1.380.08434	1.78**	1.85**	2.38**	1.29
Ssc.17462.1.S1_at	AQP11	aquaporin 11	NM_001112682	NM_173039	0.0040587	0.03439	1.95**	2.36**	2.87**	1.21	1.47	1.22
Ssc.25067.1.S1_at	PDGFC	platelet derived growth factor	CO987060	NM_016205	0.0040624	0.03439	1.63*	2.26**	2.29**	1.39	1.4	1.01
Ssc.8895.1.S1_at	SERPINB6	serpin peptidase inhibitor	CK457808	NM_004568	0.0040999	0.0344705	1.84*	2.55**	2.65**	1.39	1.44	1.04
Ssc.3085.1.S1_at	TNNC1	troponin C type 1	NM_001130243	NM_003280	0.0041138	0.0345459	1.22	1.92**	2.17**	1.57*	1.77**	1.13
Ssc.5030.1.A1_at	TRIM5	tripartite motif-containing	NM_001044532	NM_015431	0.0041845	0.0348756	2.86*	5.95**	2.82*	2.08*	0.99	0.47

Ssc.24144.1.S1_at	ACVR1B	activin A receptor, ty	CK456702	NM_004302	0.0042124	0.0349735	1.2	1.51	1.92**	1.26	1.6*	1.27
Ssc.979.1.S1_at	S100A1	S100 calcium binding	BX917468	NM_020672	0.0042342	0.035035	3.25**	3.5**	4.04**	1.08	1.24	1.16
Ssc.23526.1.S1_at	S1PR1	sphingosine-1-phosph	BP451963	NM_001400	0.0042695	0.0351907	1.5*	1.8**	1.23	1.2	0.82	0.68
Ssc.4632.2.A1_at	ARHGEF3	Rho guanine nucleoti	BF709764	NM_019555	0.0043532	0.0353275	1.72*	1.86**	1.8*	1.08	1.05	0.97
Ssc.19476.2.A1_s_ε	PYGM	phosphorylase, glyco	BI181197	NM_005609	0.0043659	0.0353275	2.19**	2.24**	2.4**	1.02	1.09	1.07
Ssc.1135.1.A1_at	PRKAR2B	protein kinase cAMP	BF703621	NM_002736	0.0043666	0.0353275	2.71**	4.61**	3.26**	1.7	1.2	0.71
Ssc.12316.1.S1_at	FAM100B	family with sequence	CK464006	NM_182565	0.0043682	0.0353275	1.83*	2.09**	2.79**	1.14	1.52	1.34
Ssc.13677.1.A1_at	ZBTB44	zinc finger and BTB	BQ603127	NM_014155	0.0043867	0.0353395	1.29	2.3**	2.5**	1.79*	1.94*	1.08
Ssc.23922.1.A1_at	C12orf35	chromosome 12 open	CK452802	NM_018169	0.0043929	0.0353512	2.32*	4.38**	2.37*	1.89*	1.02	0.54
Ssc.20273.1.S1_at	ZFP36L1	zinc finger protein 36	XM_001924308	NM_004926	0.0044186	0.0354733	1.34	1.77**	1.71*	1.33	1.28	0.97
Ssc.29834.1.A1_at	ZNF624	zinc finger protein 62	CO951216	NM_020787	0.0044587	0.0356455	1.19	0.94	1.79*	0.8	1.51	1.89**
Ssc.8289.1.A1_at	PDP2	pyruvate dehydrogenase	BF712638	NM_020786	0.0044721	0.035675	1.67*	1.25	2.81**	0.75	1.68*	2.25**
Ssc.15513.1.S1_at	COX7A1	cytochrome c oxidase	NM_214411	NM_001864	0.0044802	0.0357004	1.68*	1.73*	1.9**	1.03	1.13	1.1
SscAffx.31.1.S1_at	ND6	NADH dehydrogenase	AK230743	NM_173714	0.0045093	0.0357171	1.15	1.72*	1.66*	1.49	1.44	0.97
Ssc.7535.1.S1_at	TNNT1	troponin T type 1	NM_213748	NM_003283	0.0045115	0.0357171	1.6*	2.3**	2.58**	1.44	1.62*	1.12
Ssc.24556.1.S1_at	SLC35F5	Solute carrier family	XM_001925511	NM_025181	0.004532	0.0357638	1.49	1.99**	2**	1.34	1.34	1
Ssc.13780.2.S1_x_ε	HLA-A	MHC class I antigen	AF464049	NM_002116	0.0045557	0.0358738	1.89*	2.72**	2.55**	1.44	1.35	0.94
Ssc.1006.1.S1_at	PGM1	phosphoglucomutase	AF091607	NM_002633	0.0045806	0.0359535	2.09**	2.33**	2.44**	1.11	1.17	1.05
Ssc.818.1.S1_at	RAF1	v-raf-1 murine leuker	CF790870	NM_005658	0.0047909	0.0369432	1.72**	1.92**	2.07**	1.11	1.2	1.08
Ssc.13826.1.S1_at	LDHA	lactate dehydrogenase	U07178	NM_005566	0.0048331	0.0371088	2.39**	2.4**	2.59**	1	1.08	1.08
Ssc.9726.1.A1_at	DRAM1	DNA-damage regulat	BI398690	NM_018370	0.0048489	0.037184	1.94**	2.49**	2.49**	1.28	1.28	1
Ssc.3107.1.S1_at	CLEC14A	C-type lectin domain	XM_001929240	NM_175060	0.0048757	0.0372632	1.96**	2.65**	2.29**	1.35	1.17	0.86
Ssc.14214.1.A1_a_ε	DDX59	DEAD (Asp-Glu-Ala)	CK457236	NM_031306	0.0049262	0.0374246	2.15**	2.16**	2.76**	1	1.29	1.28
Ssc.29410.1.A1_at	PLCB4	phospholipase C, bet	CO955026	NM_000933	0.0049325	0.0374268	1.62*	1.77*	1.82**	1.09	1.13	1.03
Ssc.9372.1.A1_at	NFKBIZ	nuclear factor of kappa	CN163067	NM_031419	0.0049533	0.0374359	1.18	1.69*	1.75*	1.43	1.48	1.03
Ssc.20502.1.S1_at	ULK1	unc-51-like kinase 1	BK75885	NM_003565	0.0049748	0.0375601	1.41*	1.96**	2.08**	1.39	1.47*	1.06
Ssc.21845.2.S1_at			BM485114		0.0049991	0.0375941	1.17	1.73*	2.34**	1.48	2**	1.36
Ssc.19660.2.S1_at	INO80C	INO80 complex subu	AJ666699	NM_052879	0.0050101	0.0375941	1.68*	1.96**	2.42**	1.17	1.44	1.23
Ssc.19448.1.A1_at	TTN	titin	XM_001925803	NM_133378	0.0050389	0.0376942	2.51**	2.76**	2.71**	1.1	1.08	0.98
Ssc.24649.1.A1_at	CHURC1	churchill domain con	CN159165	NM_145165	0.0051658	0.0382532	1.75**	1.85**	2.08**	1.06	1.19	1.12
Ssc.1609.1.A1_at	CLIC5	chloride intracellular	CF368424	NM_016929	0.0053845	0.0393172	1.45*	1.81**	2.03**	1.25	1.4*	1.12
Ssc.16225.1.S1_at	GHR	growth hormone rece	NM_214254	NM_000163	0.0057887	0.0410421	1.17	2.07**	1.85**	1.77*	1.58*	0.89
Ssc.7727.1.S1_at	STRBP	spermatid perinuclear	XM_001928521	NM_018387	0.0058039	0.0410519	2.17**	2.36**	2.51**	1.09	1.16	1.06
Ssc.20706.1.S1_at	HOXB6	homeobox B6	BX676130	NM_018952	0.0058455	0.0411712	1.78*	2.78**	2.65**	1.56	1.49	0.96
Ssc.24093.1.S1_at	NRD1	nardilysin	BP442170	NM_002525	0.0058462	0.0411712	1.49*	1.84**	2**	1.23	1.34	1.09
Ssc.22037.1.S1_at	LAPTM5	lysosomal protein tra	CN160898	NM_006762	0.0058642	0.0412522	2.89**	2.94**	3.12**	1.02	1.08	1.06
Ssc.26452.2.A1_at	GFRA1	GDNF family recepto	BX672081	NM_005264	0.0058892	0.0413152	2.82**	3.6**	3.67**	1.28	1.3	1.02
Ssc.13158.1.A1_at	UBR5	ubiquitin protein liga	XM_001924342	NM_015902	0.0059087	0.0413179	1.59	1.92*	1.86*	1.21	1.17	0.97

Ssc.13134.1.A1_at	CREBL2	cAMP responsive ele	BI400614	NM_001310	0.0059125	0.0413179	1.18	2.03**	1.69**	1.73**	1.44	0.83
Ssc.9683.1.A1_at	TLR3	Toll-like receptor 3	CF363445	NM_003265	0.0059234	0.0413179	2.09/0.059	4.59**	2.66*	2.2*	1.27	0.58
Ssc.30752.2.A1_at	IFIT1	Interferon-induced pr	XM_001928724	NM_001548	0.005945	0.0413527	4.6*	12.92**	4.96*	2.81*	1.08	0.38
Ssc.12966.1.S1_at	LMO2	LIM domain only 2 (CN160360	NM_005574	0.0059921	0.0414482	1.9**	1.74*	1.55	0.92	0.81	0.89
Ssc.19316.1.S1_at	STRADB	STE20-related kinase	BP156952	NM_018571	0.0059964	0.0414482	2.53**	2.43**	2.68**	0.96	1.06	1.1
Ssc.27407.1.A1_at	NRIP1	nuclear receptor inter	CN162650	NM_003489	0.0060004	0.0414482	1.77*	1.97*	1.83*	1.11	1.03	0.93
Ssc.21547.1.A1_at	FKBP1A	FK506 binding protei	CF790729	NM_000801	0.0061198	0.0419259	1.8*	2.18**	2.72**	1.21	1.51	1.25
Ssc.13780.1.S1_x_ε	HLA-A	MHC class I antigen	NM_001097431	NM_000957	0.0062522	0.0423226	2.01**	2.44**	2.22**	1.21	1.1	0.91
Ssc.15880.1.S1_at	CYSLTR2	cysteinyl leukotriene	NM_214130	NM_020377	0.0063247	0.0426164	2.1**	2.58**	2.34**	1.23	1.11	0.91
Ssc.30752.1.S1_at	IFIT1	interferon-induced pr	BX921277	NM_001548	0.0064523	0.0428714	7.23*	17.48**	5.91*	2.42	0.82	0.34
Ssc.19316.2.A1_at	STRADB	STE20-related kinase	CF362655	NM_018571	0.0064539	0.0428714	1.76*	1.68*	1.81*	0.96	1.03	1.08
Ssc.4900.2.S1_at	CRIM1	cysteine rich transme	CK453765	NM_016441	0.0065389	0.0431729	1.89**	2.04**	1.78**	1.08	0.94	0.87
Ssc.11063.1.S1_at	HLA-DRB1	SLA-DQ beta1 doma	NM_001113694	NM_002124	0.0065618	0.0431729	2.59**	3.32**	3.59**	1.28	1.39	1.08
Ssc.18011.1.S1_at	POPDC3	popeye domain conta	NM_001144111	NM_022361	0.0065873	0.0431816	1.39	1.76*	1.95**	1.26	1.4	1.11
Ssc.4753.1.A1_at	TEK	TEK tyrosine kinase	XM_001926034	NM_000459	0.0066037	0.0431963	1.7*	2.49**	1.74*	1.46	1.02	0.7
Ssc.24074.1.S1_at	LMBRD2	LMBR1 domain cont	CF795443	NM_001007527	0.0066052	0.0431963	1.8*	2.12**	2.42**	1.18	1.34	1.14
Ssc.27422.1.A1_at	ACBD5	acyl-Coenzyme A bir	CO952143	NM_145698	0.0066734	0.0435175	1.68*	1.79**	2.15**	1.06	1.28	1.2
Ssc.13780.5.S1_x_ε	HLA-B	MHC class I antigen	NM_001113702	NM_002116	0.0066856	0.0435175	2.04*	2.67**	2.61**	1.3	1.28	0.98
Ssc.16052.1.S1_at	ADAM10	ADAM metallopeptic	BP458051	NM_001110	0.0067951	0.0438805	2.6	2.41**	2.29**	0.93	0.88	0.95
Ssc.17896.1.A1_at	FHOD3	formin homology 2 d	CN155991	NM_025135	0.0068664	0.0440819	1.25	2.51**	2.28**	2*	1.82*	0.91
Ssc.4741.1.S1_at	PFKM	phosphofructokinase	NM_001044550	NM_000289	0.0069594	0.0443931	2.31**	2.52**	2.58**	1.09	1.12	1.02
Ssc.16154.1.S1_at	BCAT2	branched chain amin	AW312908	NM_001190	0.0069839	0.0444442	2.06*	2.62**	2.85**	1.27	1.38	1.09
Ssc.10750.1.S1_at	GTPBP8	GTP-binding protein	CN160504	NM_014170	0.0070372	0.0446341	1.51	1.81*	1.9*	1.2	1.26	1.05
Ssc.13948.1.S1_at	STBD1	starch binding domai	CN164219	NM_003943	0.0070661	0.0446677	3.39**	3.42**	4.25**	1.01	1.25	1.24
Ssc.222.1.S1_at	HLA-DRA	MHC class II DR- α p	NM_001113706	NM_019111	0.0070678	0.0446677	2.38*	4.49**	3.96**	1.88	1.66	0.88
Ssc.1012.2.S1_at	ZNF277	zinc finger protein 27	BP153362	NM_021994	0.0070906	0.0447349	1.87**	2.06**	1.97**	1.1	1.06	0.96
Ssc.30550.1.A1_at	DEPDC6	DEP domain containi	CO993779	NM_022783	0.0071704	0.0449672	3.89**	4.55**	4.55**	1.17	1.17	1
Ssc.3799.1.S1_a_at	RBPMS	RNA binding protein	CK455529	NM_006867	0.0072382	0.0452258	1.87*	1.86*	1.33*	0.99	0.71	0.72
Ssc.12809.4.S1_a_a	LOC100152449	polyprotein	XR_045316	NM_207582	0.0072841	0.0453618	1.53	1.85*	1.93*	1.21	1.26	1.04
Ssc.108.1.S1_at	OXTR	oxytocin receptor	X71796	NM_000916	0.0073402	0.0455642	1.98*	2.62**	2.92**	1.33	1.48	1.11
Ssc.5309.1.S1_at	C3orf37	chromosome 3 open i	CF790860	NM_001006109	0.0074225	0.0457323	1.64*	1.87**	2.25**	1.14	1.37	1.2
Ssc.3941.1.S1_at	MAPK9	mitogen-activated pro	BG609277	NM_139070	0.0075364	0.0458017	1.78**	1.93**	2.01**	1.09	1.13	1.04
Ssc.12829.1.A1_at	TNFSF10	Tumor necrosis facto	NM_001024696	NM_003810	0.0075438	0.0458017	3.11*	7.71**	3.54*	2.48	1.14	0.46
Ssc.29243.1.A1_at	CYSLTR2	cysteinyl leukotriene	CO952747	NM_020377	0.0076127	0.0458017	2*	3.42**	2.88**	1.71	1.44	0.84
Ssc.18274.2.A1_at	MBD1	methyl-CpG binding	CF180749	NM_002384	0.0076345	0.0458017	1.87*	2.86**	3.21**	1.53	1.72	1.12
Ssc.26469.1.A1_at	MACROD1	MACRO domain con	CN069735	NM_014067	0.0076595	0.0458017	1.85**	1.91**	2.21**	1.03	1.2	1.16
Ssc.18640.2.S1_at	UBE2D4	ubiquitin-conjugating	BG834162	NM_015983	0.007795	0.0460359	2.15**	2.15**	2.64**	1	1.23	1.23
Ssc.11403.1.S1_at	SPTBN1	spectrin, beta, non-er	CF176298	NM_003128	0.0078	0.0460359	1.86*	2*	1.73*	1.07	0.93	0.87

Ssc.935.1.S1_at	PGK1	phosphoglycerate kin	NM_001099932	NM_000291	0.0078485	0.0461204	2.15**	2.23**	2.3**	1.04	1.07	1.03
Ssc.13464.1.A1_at	RHOQ	ras homolog gene fan	BQ602866	NM_012249	0.0079296	0.0465117	2.19**	2.3**	2.15**	1.05	0.98	0.94
Ssc.7641.1.S1_at	FAM69A	family with sequence	XM_001925711	NM_001006605	0.0080039	0.0467545	1.76*	2.9**	2.71**	1.65	1.54	0.93
Ssc.7116.1.A1_at	NT5C3	5'-nucleotidase cytos	CK459921	NM_016489	0.00804	0.0468907	1.8*	2.62**	2.54**	1.46	1.41	0.97
Ssc.7558.1.A1_at	HTR2C	5-hydroxytryptamine	BQ599267	NM_000868	0.0080531	0.0469035	2.57*	3.88**	2.2*	1.51	0.86	0.57
Ssc.23516.1.S1_at	SATB1	SATB homeobox 1	CF367798	NM_002971	0.0081265	0.0471703	1.54*	1.89**	2.09**	1.23	1.36	1.11
Ssc.26512.1.A1_at	MACF1	macrophin 1 isoform	BP455512	NM_012090	0.0082802	0.047424	2.09*	2.53**	3.39**	1.21	1.62	1.34
Ssc.2361.1.A1_at	PPP1R3D	protein phosphatase 1	BI400457	NM_006242	0.0083851	0.0478011	2.53**	2.4**	2.84**	0.95	1.12	1.18
Ssc.26452.1.S1_at	GFRA1	GDNF family recepto	CN069484	NM_005264	0.0084213	0.0478977	1.67*	2.39**	1.88**	1.43	1.13	0.79
Ssc.3240.1.A1_at	AGRN	agrin	CF175761	NM_198576	0.0085364	0.0483625	2.81**	3.47**	2*	1.24	0.71	0.58
Ssc.13780.10.S1_x	HLA-A	MHC class I antigen	NM_001097431	NM_002116	0.0086923	0.0487559	2.33*	2.9**	2.85**	1.24	1.22	0.98
Ssc.29589.1.A1_at	KLHL7	kelch-like 7	CO941202	NM_001031710	0.0088058	0.049167	1.89**	1.97**	2.25**	1.04	1.19	1.14
Ssc.24304.2.A1_at	EGFLAM	EGF-like fibronectin	CK456410	NM_152403	0.0088659	0.0493518	1.97**	2.41**	1.6*	1.23	0.81	0.66
Ssc.6928.1.A1_at	ALDH1A1	aldehyde dehydrogen	CO989436	NM_000689	0.0090555	0.0499273	2.49**	3**	2.5**	1.21	1.01	0.83

Cluster 3: transcripts down-regulated after birth

Ssc.2358.1.A1_at	RP13-102H20	hypothetical protein I	CF360182	NM_144967	4.95E-06	0.0063885	0.36**	0.04**	0.02**	0.1**	0.06**	0.55
Ssc.11906.1.S1_at	COPZ1	Coatomer subunit zet	XM_001927549	NM_016057	8.68E-06	0.0063885	0.64***	0.59***	0.61***	0.93	0.95	1.03
Ssc.31057.1.A1_s	HSPA9	heat shock 70kDa prc	BQ598941	NM_004134	0.0000125	0.0063885	0.46**	0.49**	0.51**	1.07	1.11	1.04
Ssc.27020.1.S1_at	MYH8	myosin heavy chain ξ	CN165669	NM_002472	0.0000141	0.0063885	0.21**	0.09**	0.06**	0.42**	0.26**	0.63
Ssc.16876.1.A1_at	VAMP2	vesicle-associated me	CK454717	NM_014232	0.0000144	0.0063885	0.35**	0.48**	0.47**	1.37**	1.34*	0.98
Ssc.24045.1.S1_at	MARS2	methionyl-tRNA syn	CK456096	NM_138395	0.0000167	0.0063885	0.48**	0.35**	0.35**	0.73*	0.73*	1
Ssc.2772.1.S1_a	LIN37	lin-37 homolog	BQ598857	NM_019104	0.0000179	0.0063885	0.42**	0.43**	0.37**	1.03	0.88	0.85
Ssc.3063.1.S1_at	PITRM1	pitrilysin metallope	CF359731	NM_014889	0.00002	0.0066646	0.51**	0.55**	0.48**	1.08	0.95	0.87
Ssc.4874.1.S1_at	CHERP	calcium homeostasis	CN162982	NM_006387	0.0000213	0.0066896	0.55***	0.53***	0.58***	0.95	1.04	1.09
Ssc.5159.2.S1_at	MEG3	maternally expressed	NR_021488	NR_002766	0.0000314	0.0077954	0.52**	0.26**	0.25**	0.51**	0.49**	0.96
Ssc.7584.1.S1_at	CLTC	Clathrin heavy chain	NM_001146127	NM_004859	0.0000341	0.0078122	0.45**	0.4**	0.35**	0.89	0.77*	0.86
Ssc.21937.1.S1_at	USP10	ubiquitin specific pe	CK456482	NM_005153	0.0000357	0.0078462	0.67***	0.62***	0.6***	0.93	0.89	0.96
Ssc.21930.1.S1_a	ISOC2	isochorismatase dom	CK452448	NM_024710	0.0000365	0.0078462	0.49**	0.5**	0.56**	1.03	1.14	1.1
Ssc.102.1.S1_at	PPP2R1A	protein phosphatase 2	NM_214024	NM_014225	0.0000387	0.0078462	0.48**	0.42**	0.5**	0.86	1.03	1.19
Ssc.6730.1.S1_at	C1QBP	complement compon	CK463289	NM_001212	0.0000444	0.0081375	0.56**	0.5**	0.47**	0.89	0.85	0.95
Ssc.1918.1.S1_at	MRPS7	mitochondrial riboso	AK240271	NM_015971	0.0000468	0.0083682	0.46**	0.31**	0.44**	0.67**	0.96	1.43*
Ssc.10989.1.A1_at	SON	SON DNA binding p	CK456538	NM_032195	0.0000566	0.0092162	0.69***	0.64***	0.63***	0.94	0.92	0.98
Ssc.2584.1.S1_at	NMT1	N-myristoyltransfera	BX666752	NM_021079	0.0000613	0.0092162	0.52***	0.52***	0.59***	1.01	1.14	1.13
Ssc.12051.1.S1_at	MESDC2	Mesoderm developm	XM_001928863	NM_015154	0.0000616	0.0092162	0.73**	0.68***	0.57***	0.93	0.79*	0.84
Ssc.19486.1.S1_at	CCNB1IP1	cyclin B1 interacting	CF365233	NM_182849	0.0000676	0.0097173	0.46**	0.38**	0.34**	0.82	0.74*	0.9
Ssc.3311.1.S1_at	RBM3	Clone DT1P1F10 mF	CN164850	NM_006743	0.0000779	0.0103199	0.4**	0.23**	0.36**	0.57**	0.9	1.58*
Ssc.15237.1.S1_at	PDZD11	PDZ domain containi	NM_001001630	NM_016484	0.0000793	0.0103199	0.49**	0.37**	0.39**	0.76*	0.8	1.06
Ssc.5676.1.S1_at	SERBP1	SERPINE1 mRNA b	BQ602381	NM_015640	0.0000844	0.0103199	0.59***	0.65***	0.72**	1.1	1.23*	1.11

Ssc.19546.1.S1_at	NME1	non-metastatic cells 1	CK459631	NM_000269	0.0000869	0.0103199	0.26**	0.15**	0.16**	0.57*	0.62	1.09
Ssc.26191.1.A1_a	ACSF3	acyl-CoA synthetase	AK232791	BC028399	0.0000907	0.0103199	0.48**	0.64**	0.53**	1.35**	1.12	0.83
Ssc.20162.1.S1_at	ERH	enhancer of rudiment	XM_001926160	NM_004450	0.0000947	0.0104058	0.6**	0.46**	0.53**	0.78*	0.88	1.14
Ssc.15678.1.A1_s	EIF5	eukaryotic translatio	CA778519	NM_001970	0.0001018	0.0108128	0.32**	0.34**	0.37**	1.06	1.14	1.08
Ssc.10382.1.A1_at	MYO5B	myosin VB	CO954972	AL133643	0.0001082	0.0111639	0.21**	0.17**	0.27**	0.81	1.3	1.61*
Ssc.13957.1.A1_at	NUPL1	nucleoporin like 1	CK455888	NM_014089	0.0001112	0.0111639	0.66**	0.52***	0.66**	0.8	1.01	1.26
Ssc.6701.1.S1_at	RPL35A	Ribosomal protein L	BX927003	NM_000996	0.0001169	0.0113645	0.57**	0.6**	0.45**	1.05	0.79*	0.75*
Ssc.4060.1.S1_at	SLCO2A1	solute carrier organic	CF788195	NM_005630	0.0001218	0.0113645	1.36**	1.62***	1.11	1.19	0.81*	0.68***
Ssc.21464.1.S1_at	PMPCB	peptidase (mitochond	BQ598806	NM_004279	0.0001225	0.0113645	0.7***	0.7***	0.7***	1	1.01	1.01
Ssc.4143.1.A1_a	TM9SF4	transmembrane 9 sup	CK458586	NM_014742	0.0001256	0.0115131	0.66***	0.64***	0.65***	0.97	0.99	1.02
Ssc.16936.2.S1_a	Nop16	NOP16 nucleolar pro	BX915496	NM_016391	0.0001381	0.0121834	0.49**	0.4**	0.41**	0.83	0.84	1.02
Ssc.7670.1.S1_at	SNRPA	small nuclear ribonuc	NM_001077222	NM_003090	0.0001427	0.0121834	0.58**	0.39**	0.57**	0.66**	0.98	1.49**
Ssc.4925.1.S1_at	HSPBP1	HSPA (heat shock 70	AY609827	AF187859	0.0001445	0.0121834	0.34**	0.28**	0.27**	0.83	0.8	0.96
Ssc.4014.1.S1_at	MANBAL	mannosidase beta A	1CK461399	NM_022077	0.0001488	0.0123097	0.49**	0.47**	0.56**	0.96	1.14	1.18
Ssc.21653.1.S1_at	LENG8	leukocyte receptor cl	CN158780	NM_052925	0.0001563	0.0123686	0.63***	0.65***	0.64***	1.04	1.03	0.99
Ssc.15669.2.S1_at	CSNK1D	Bos taurus casein kin	BX669334	NM_001893	0.000163	0.0123686	0.53***	0.51***	0.54***	0.96	1.02	1.07
Ssc.1422.1.S1_at	PRMT5	protein arginine meth	BI401419	NM_006109	0.0001743	0.0128698	0.53**	0.56**	0.47**	1.06	0.89	0.84
Ssc.31129.1.A1_at	ALG10	asparagine-linked gly	CO992248	NM_032834	0.0001802	0.0128698	0.75**	0.61***	0.72**	0.81*	0.96	1.18
Ssc.19231.1.A1_at	FARSA	phenylalanyl-tRNA s	CF362802	NM_004461	0.000188	0.0128698	0.46**	0.41**	0.49**	0.89	1.05	1.17
Ssc.14143.1.A1_at	TOMM70A	translocase of outer n	CO991830	NM_014820	0.0001915	0.0128698	0.65***	0.6***	0.68**	0.94	1.05	1.12
Ssc.9843.1.A1_at	AP3M1	adaptor-related protei	XM_001928736	NM_012095	0.0001955	0.0128698	0.71*	0.57***	0.54***	0.8	0.76*	0.95
Ssc.3163.1.S1_at	TWF2	Bos taurus twinfilin	a CK456266	NM_007284	0.0001963	0.0128698	0.45**	0.49**	0.47**	1.11	1.05	0.95
Ssc.24077.1.S1_at	SPAG9	sperm associated anti	CK450263	NM_003971	0.0001967	0.0128698	0.7**	0.55***	0.6***	0.79	0.85	1.09
Ssc.14186.1.A1_at	TOMM20	translocase of outer n	XM_001926935	NM_014765	0.0002008	0.0128698	0.43**	0.39**	0.48**	0.93	1.13	1.22
Ssc.23524.1.S1_at	EXOSC10	exosome component	BP172412	NM_002685	0.0002014	0.0128698	0.58***	0.56***	0.53***	0.98	0.93	0.95
Ssc.6798.1.S1_at	HSPA9	heat shock 70kDa prc	BQ604492	NM_004134	0.0002021	0.0128698	0.38**	0.42**	0.44**	1.11	1.16	1.05
Ssc.20071.1.S1_at	MANF	mesencephalic astroc	CO993738	NM_006010	0.0002036	0.0128698	0.55**	0.42**	0.4**	0.76*	0.72*	0.95
Ssc.7192.1.S1_at	MATR3	Matrin-3	AJ657536	NM_018834	0.0002049	0.0128698	0.74**	0.66***	0.69***	0.89	0.93	1.05
Ssc.15607.1.S1_at	MTX1	metaxin 1	NM_001039750	NM_002455	0.0002082	0.0128698	0.49**	0.44**	0.33**	0.88	0.66*	0.75
Ssc.11113.1.S1_at	CLTA	clathrin light chain (I	CK452496	NM_007096	0.0002153	0.0130474	0.84	0.66***	0.77**	0.79**	0.92	1.17
Ssc.13017.1.A1_at	RPS4	ribosomal protein S4	CK461703	NM_001007	0.0002297	0.0137907	0.84**	0.79***	0.82**	0.94	0.98	1.04
Ssc.11051.1.S1_at	CDK4	cyclin-dependent kin	NM_001123097	NM_000075	0.0002314	0.0137907	0.78	0.55***	0.64**	0.7**	0.82	1.17
Ssc.5619.1.S1_at	FLJ44606	glutaredoxin-like pro	CF792399	NM_001164479	0.0002423	0.013986	0.54***	0.58***	0.67**	1.06	1.24	1.16
Ssc.7523.1.A1_at	PHB	prohibitin	CK449869	NM_002634	0.0002631	0.0141055	0.56***	0.72*	0.81	1.3*	1.45**	1.12
Ssc.7286.1.S1_at	CDKN3	cyclin-dependent kin	NM_214320	NM_005192	0.0002675	0.0141055	0.22**	0.09**	0.16**	0.41*	0.7	1.71
Ssc.28327.1.S1_at	RBMX	RNA binding motif p	XM_001927616	NM_002139	0.0002715	0.0141055	0.72*	0.55***	0.6**	0.77	0.83	1.08
Ssc.7281.1.A1_at	TRA2B	Transformer 2 beta h	NM_001077221	NM_004593	0.000283	0.0141055	0.73	0.54***	0.51***	0.74	0.7*	0.94
Ssc.6719.1.A1_at	HSPD1	heat shock 60kDa prc	XM_001928599	NM_005451	0.0002877	0.0141055	0.53**	0.48**	0.45**	0.89	0.85	0.95

Ssc.21962.1.A1_at	LETM1	leucine zipper-EF-hand domain	BX925265	NM_012318	0.0002889	0.0141055	0.52**	0.47**	0.49**	0.9	0.95	1.05
Ssc.18356.1.S1_at	NAT5	N-acetyltransferase 5	CK450246	NM_016100	0.0002921	0.0141055	0.63**	0.57**	0.52***	0.9	0.83	0.92
Ssc.2405.1.A1_at	TFG	TRK-fused gene	AY550059	NM_006070	0.000294	0.0141055	0.76**	0.68***	0.71***	0.89	0.93	1.04
Ssc.4697.1.S1_a_at	MAGOH	mago-nashi homolog	AJ659620	NM_002370	0.0002943	0.0141055	0.65**	0.5**	0.6**	0.77*	0.92	1.2
Ssc.7376.1.A1_at	EDEM2	ER degradation enhancer	BI182523	NM_018217	0.0002944	0.0141055	1.55**	1.65***	1.33*	1.06	0.86	0.81
Ssc.13983.1.S1_at	PPP2CA	protein phosphatase 2	NM_214366	NM_002715	0.0002954	0.0141055	0.6**	0.48**	0.48**	0.81	0.81	1
Ssc.16830.1.S1_at	TSPYL5	TSPY-like 5	BI337673	NM_033512	0.000298	0.0141055	0.59**	0.57**	0.43**	0.97	0.74*	0.76*
Ssc.26655.1.S1_at	SP2	Sp2 transcription factor	CN156215	NM_003110	0.0002992	0.0141055	0.43**	0.61**	0.55**	1.43**	1.28	0.89
Ssc.2422.1.S1_at	OBFC2B	oligonucleotide and cytoskeleton-associated protein	XM_001929289	NM_024068	0.0002997	0.0141055	0.46**	0.47**	0.52**	1.02	1.12	1.1
Ssc.7122.1.A1_at	ARMCX4	armadillo repeat containing protein	CK461530	NM_152583	0.0003015	0.0141055	0.53**	0.38**	0.52**	0.72*	0.97	1.35*
Ssc.12393.1.A1_at	CABC1	chaperone, ABC1 actin-binding domain	BX915086	NM_020247	0.0003079	0.0141916	0.51***	0.6**	0.68*	1.19	1.33	1.12
Ssc.13690.1.A1_at	ZSCAN12	zinc finger and SCAN domain-containing protein 12	BQ603189	AB007886	0.0003113	0.0141916	0.56**	0.5**	0.54**	0.89	0.96	1.08
Ssc.24286.1.S1_at	MUT	methylmalonyl Coenzyme A mutase	CK451044	NM_000255	0.0003173	0.0143584	0.44**	0.33**	0.38**	0.74	0.85	1.16
Ssc.13966.1.A1_s_at	RPS18	ribosomal protein S18	NM_213940	NM_022551	0.0003234	0.014455	0.56***	0.54***	0.58**	0.97	1.05	1.08
Ssc.16345.1.S1_at	MFGE8	milk fat globule-EGF factor 8	NM_001122984	NM_005928	0.0003342	0.0147576	0.73*	0.64**	0.58***	0.87	0.79	0.91
Ssc.27627.1.S1_at	PPP1R12B	protein phosphatase 1B gamma 12B	BG733156	NM_032105	0.0003464	0.0148621	0.48**	0.54**	0.58**	1.12	1.21	1.08
Ssc.1505.2.S1_at	NCOR2	nuclear receptor corepressor 2	NM_001044576	NM_006312	0.0003473	0.0148621	0.57**	0.5**	0.45**	0.88	0.79	0.9
Ssc.13790.1.A1_at	PSMD1	proteasome (prosome) subunit 1	XM_001925902	NM_002807	0.0003487	0.0148621	0.55**	0.53**	0.5***	0.95	0.91	0.96
Ssc.13806.1.S1_at	HSPB7	Heat-shock protein beta-7	BM190065	NM_014424	0.0003591	0.0148621	0.18**	0.18**	0.21**	1.01	1.17	1.16
Ssc.30995.1.A1_at	TTC9C	tetratricopeptide repeat domain-containing protein 9C	CO939487	NM_173810	0.0003598	0.0148621	0.37**	0.42**	0.47**	1.15	1.28	1.11
Ssc.2919.1.S1_at	CD63	CD63 molecule	XM_001927623	NM_001780	0.0003652	0.0148621	0.64**	0.59***	0.6***	0.93	0.94	1.01
Ssc.30.1.S1_at	PSMA4	proteasome (prosome) subunit 4	XM_001926227	NM_002789	0.0003688	0.0148621	0.68*	0.58***	0.56***	0.85	0.82	0.96
Ssc.3163.2.S1_at	TLR9	toll-like receptor 9	BE233145	NM_017442	0.0003731	0.0148621	0.53***	0.6**	0.53***	1.12	1	0.89
Ssc.17161.1.A1_at	RRAGA	Rraga protein	XM_001927037	NM_006570	0.0003777	0.0148621	0.69**	0.62***	0.63***	0.89	0.9	1.01
Ssc.13585.7.S1_a_at	NLN	neurolysin (metallopeptidase)	BX921588	NM_020726	0.0003844	0.0148621	0.39**	0.33**	0.36**	0.85	0.91	1.07
Ssc.3942.1.S1_at	SNRNP70	small nuclear ribonucleoprotein 70	CD572579	NM_003089	0.0003855	0.0148621	0.42**	0.46**	0.45**	1.07	1.05	0.98
Ssc.7362.2.S1_at	EPRS	glutamyl-prolyl-tRNA synthetase	AJ657414	NM_004446	0.0003858	0.0148621	0.6**	0.54***	0.55***	0.9	0.91	1.02
Ssc.4143.2.S1_at	TM9SF4	transmembrane 9 superfamily class A member 4	BF194130	NM_014742	0.0003906	0.0148621	0.58**	0.64**	0.54***	1.1	0.93	0.85
Ssc.19420.1.S1_at	RUVBL1	RuvB-like 1	XM_001924555	NM_003707	0.0003974	0.0148621	0.5**	0.41**	0.46**	0.81	0.92	1.13
Ssc.11099.1.S1_at	RPL3	ribosomal protein L3	CB476360	NM_001033853	0.0004017	0.0148621	0.49**	0.39**	0.42**	0.79	0.85	1.07
Ssc.5467.1.A1_at	S1PR2	sphingosine-1-phosphatase 2	BI399625	NM_004230	0.0004064	0.0148621	0.71*	0.53**	0.43**	0.75*	0.6**	0.8
Ssc.19611.1.S1_at	RDH13	retinol dehydrogenase 13	CN162676	NM_138412	0.0004125	0.0148621	0.36**	0.32**	0.29**	0.91	0.81	0.9
Ssc.12285.1.A1_at	AMMECR1L	AMME chromosome region 1-like	CK456654	NM_031445	0.0004132	0.0148621	0.93	0.69***	0.77**	0.75**	0.83*	1.11
Ssc.16801.1.S1_at	PHB2	prohibitin 2	BI342603	NM_007273	0.0004188	0.0148621	0.42**	0.48**	0.55**	1.16	1.3	1.13
Ssc.12763.1.S1_at	STARD7	StAR-related lipid transfer protein 7	BX918491	NM_020151	0.0004217	0.0148621	0.67***	0.68***	0.77*	1.01	1.14	1.13
Ssc.26284.1.S1_at	GBF1	Golgi-specific brefeldin A inhibitor 1	XM_001928393	NM_004193	0.0004263	0.0148707	0.48**	0.52**	0.49**	1.07	1.01	0.94
Ssc.16656.1.S1_at	ARHGDI	Rho GDP dissociation inhibitor 1	CK457234	NM_004309	0.0004387	0.0149465	0.57**	0.4**	0.41**	0.71*	0.73*	1.02
Ssc.26417.1.S1_at	ESF1	ESF1, nucleolar pre-ribosomal protein	XM_001926068	NM_016649	0.0004505	0.0150106	0.67*	0.5***	0.53**	0.75	0.79	1.06

Ssc.13663.1.A1_at	SFRS7	splicing factor, argini	BQ599883	NM_001031684	0.0004687	0.015154	0.76	0.53***	0.55**	0.69*	0.73	1.05
Ssc.2087.1.S1_at	HYOU1	Homo sapiens hypox	CN154429	NM_006389	0.0004704	0.015154	0.46**	0.44**	0.43**	0.96	0.92	0.96
Ssc.2633.1.A1_at	CCT2	chaperonin containin	XM_001926672	NM_006431	0.0004892	0.0155245	0.76*	0.66**	0.59***	0.86	0.77*	0.9
Ssc.8788.2.A1_at	INPP5B	inositol polyphosphat	BF711869	NM_005540	0.0004976	0.015608	0.61***	0.65**	0.84	1.07	1.38*	1.29
Ssc.1450.1.S1_at	SRM	spermidine synthase	CK465052	NM_080823	0.0005008	0.015608	0.22**	0.21**	0.26**	0.94	1.18	1.26
Ssc.16637.1.S1_at	ACADV1	acyl-Coenzyme A del	AF022255	NM_000018	0.0005059	0.0156478	0.5***	0.61**	0.63**	1.22	1.26	1.03
Ssc.1964.1.S1_at	HNRNPU	heterogeneous nuclea	CO945550	NM_004501	0.00054	0.0162861	0.62**	0.58**	0.56**	0.92	0.9	0.98
Ssc.4673.1.A1_at	MLLT11	MLLT11 protein	XM_001929662	NM_006818	0.0005421	0.0162861	0.41**	0.26**	0.19**	0.63	0.47*	0.75
Ssc.7502.1.A1_at	YES1	v-yes-1 Yamaguchi s	BQ598992	NM_005433	0.0005497	0.01645	2.71**	2.8**	1.46*	1.03	0.54**	0.52**
Ssc.22761.1.S1_at	CFL2	cofilin 2	NM_001025215	NM_021914	0.000555	0.0165407	0.84	0.7**	0.66***	0.84	0.78*	0.93
Ssc.1496.1.S1_at	NME6	non-metastatic cells	(BQ603805	NM_005793	0.0005687	0.0167381	0.62**	0.62**	0.68**	1	1.1	1.1
Ssc.2680.1.S1_at	LRRC59	leucine rich repeat co	CK462390	NM_018509	0.000581	0.0168333	0.47**	0.33**	0.35**	0.7	0.74	1.05
Ssc.21543.1.S1_at	RAP2C	RAP2C member of R	BX666448	NM_021183	0.0005848	0.0168333	0.41**	0.37**	0.39**	0.9	0.96	1.07
Ssc.13807.1.S1_at	TCAP	titin-cap	BM190107	NM_003673	0.0005855	0.0168333	0.42**	0.62**	0.73*	1.49*	1.75**	1.17
Ssc.1522.2.A1_at	HMGN4	Bos taurus high mobi	XM_001928253	NM_006353	0.0005961	0.0169252	0.76**	0.73**	0.74**	0.96	0.98	1.02
Ssc.2781.1.A1_at	SOLH	small optic lobes hon	BX671779	NM_005632	0.0006042	0.0170366	0.47**	0.47**	0.33**	0.98	0.69*	0.7
Ssc.4755.1.A1_at	TMEM199	transmembrane prote	BF709675	NM_152464	0.0006124	0.0172009	0.47**	0.55**	0.43**	1.18	0.92	0.78
Ssc.6356.1.S1_at	ODC1	ornithine decarboxylk	NM_001122983	NM_002539	0.0006247	0.0173474	0.47**	0.32**	0.32**	0.68	0.68	1
Ssc.16843.1.S1_at	PSMD3	proteasome prosome	AW416777	NM_002809	0.0006401	0.0177072	0.4**	0.44**	0.47**	1.1	1.18	1.07
Ssc.11714.1.S1_at	LYRM2	LYR motif containin	BX669838	NM_020466	0.0006443	0.017756	0.78*	0.67**	0.62***	0.87	0.8	0.92
Ssc.21291.1.A1_at	FLJ10038	hypothetical protein	ICF795040	NR_026891	0.0006522	0.0177734	0.56***	0.66**	0.65**	1.17	1.16	0.99
Ssc.27039.1.S1_at	CYTSA	cytospin A	XM_001926171	NM_015330	0.0006613	0.0178889	1.75**	1.8**	1.3	1.03	0.74	0.72*
Ssc.6192.1.A1_at	MEG3	maternally expressed	NR_021488	NR_002766	0.0006702	0.0179529	0.5**	0.31**	0.28**	0.62*	0.57*	0.92
Ssc.2866.1.A1_at	PARL	presenilin associated,	BX919203	NM_018622	0.0006711	0.0179529	0.74**	0.68***	0.8*	0.92	1.08	1.16
Ssc.17602.1.S1_at	CPR2	cell cycle progressior	NM_001123101	NM_004749	0.0006734	0.0179529	0.63**	0.65**	0.66**	1.02	1.04	1.01
Ssc.30988.1.A1_at	ZDHHC5	zinc finger DHHC-ty	CF793234	NM_015457	0.0006817	0.017991	0.47**	0.43**	0.5**	0.93	1.07	1.15
Ssc.18330.1.A1_at	PHF12	PHD finger protein 1	BI186200	NM_020889	0.0006822	0.017991	0.7*	0.54***	0.67**	0.77	0.95	1.24
Ssc.1239.1.A1_at	ENOPH1	enolase-phosphatase	BE013049	NM_021204	0.0006878	0.0180081	0.81	0.57***	0.75*	0.71*	0.94	1.32*
Ssc.1901.1.A1_at	ACTC1	alpha-cardiac actin	XM_001924496	NM_005159	0.0006934	0.0180459	0.85	0.35**	0.43**	0.41**	0.5**	1.22
Ssc.3268.1.S1_at	MRPL15	mitochondrial riboso	BE234909	NM_014175	0.0006942	0.0180459	0.64***	0.73**	0.75*	1.13	1.17	1.03
Ssc.10992.1.S1_a	PITPNC1	phosphatidylinositol	CN160594	NM_012417	0.0007016	0.0181758	0.58**	0.51**	0.52**	0.89	0.9	1.01
Ssc.7432.1.S1_at	C18orf55	chromosome 18 open	CN159620	NM_014177	0.000711	0.0182608	0.63**	0.63**	0.7**	1	1.12	1.12
Ssc.8563.1.A1_at	RBM26	RNA binding motif p	XM_001925971	NM_022118	0.000714	0.0182608	0.67**	0.61**	0.66**	0.92	0.98	1.07
Ssc.19614.1.S1_at	NFE2L1	nuclear factor (erythr	CF366056	NM_003204	0.0007199	0.0182608	0.51***	0.69*	0.56**	1.34	1.09	0.81
Ssc.21124.1.S1_at	C16orf88	chromosome 16 open	CN158757	NM_001012991	0.000727	0.018282	0.55**	0.43**	0.52**	0.77	0.94	1.21
Ssc.13283.1.S1_at	COL4A3BP	collagen type IV alph	BI404777	NM_005713	0.0007287	0.018282	1.07	2.14**	0.92	1.99**	0.86	0.43**
Ssc.9721.1.A1_at	ASB8	ankyrin repeat and S	BI398680	NM_024095	0.0007383	0.018282	0.6**	0.64**	0.63**	1.06	1.05	0.99
Ssc.2974.1.A1_at	TMX1	thioredoxin-related tr	BF703239	NM_030755	0.0007428	0.018282	0.8	0.63**	0.68**	0.8	0.85	1.07

Ssc.4094.1.S1_at	MRPL55	mitochondrial ribosomal protein L16	CF363002	NM_181441	0.0007438	0.018282	0.54**	0.4**	0.48**	0.75	0.89	1.19
Ssc.4201.1.A1_at	PRKAG1	Protein kinase, AMP-activated, gamma 2 subunit	NM_001001642	NM_002733	0.0007537	0.0183969	0.68**	0.64**	0.59***	0.94	0.86	0.91
Ssc.15656.1.S1_at	FBL	fibrillarin	CF368799	NM_001436	0.0007553	0.0183969	0.66**	0.59***	0.66**	0.89	1	1.12
Ssc.7119.1.S1_at	HNRNPF	heterogeneous nuclear ribonucleoprotein F	XM_001928985	NM_004966	0.0007806	0.0186397	0.86	0.71**	0.64**	0.83	0.75*	0.9
Ssc.3455.2.S1_at	UBAP2L	ubiquitin associated protein 2, large	AW482912	NM_014847	0.0008156	0.0189325	0.53**	0.56**	0.47**	1.06	0.89	0.85
Ssc.5638.1.S1_at	FKBP4	FK506 binding protein 4	CN162697	NM_002014	0.0008321	0.019003	0.45**	0.49**	0.49**	1.11	1.11	1
Ssc.11024.1.S1_at	RAB1A	RAB1A, member RAB1	NM_001031787	NM_004161	0.0008428	0.0190705	0.8	0.63**	0.64**	0.79	0.8	1.01
Ssc.24216.1.S1_at	POP4	processing of precursor 4	BG609095	NM_006627	0.0008536	0.0191531	0.63**	0.52**	0.45**	0.82	0.71*	0.86
Ssc.8547.1.A1_at	TIGD1	tigger transposable element	BF704142	NM_145702	0.0008543	0.0191531	0.43**	0.47**	0.54**	1.08	1.25	1.16
Ssc.18170.1.S1_at	RPS29	Ribosomal protein S29	CF795803	NM_001032	0.0008628	0.0192263	0.47**	0.41**	0.43**	0.89	0.93	1.04
Ssc.17523.1.S1_at	FBN1	fibrillin 1	CF790841	NM_000138	0.000876	0.0192356	0.41**	0.46**	0.43**	1.11	1.03	0.93
Ssc.29859.1.A1_at	HSDL2	hydroxysteroid dehydrogenase-like 2	XM_001925347	NM_032303	0.0008762	0.0192356	0.75*	0.7**	0.61***	0.93	0.81	0.87
Ssc.16956.1.A1_at	TCP1	t-complex 1	XM_001928205	NM_030752	0.000879	0.0192356	0.52**	0.51**	0.44**	0.99	0.86	0.87
Ssc.5159.3.A1_a_at	MEG3	maternally expressed gene 3	NR_021488	NR_002766	0.000882	0.0192432	0.35**	0.25**	0.24**	0.72	0.68	0.96
Ssc.1067.1.S1_at	PSMB2	proteasome prosome subunit 2	CF175280	NM_002794	0.0009115	0.0195044	0.52**	0.48**	0.48**	0.93	0.91	0.98
Ssc.11128.1.A1_at	SFRS4	splicing factor, arginine/serine-rich 4	CO946236	NM_005626	0.0009126	0.0195044	0.67**	0.77*	0.7**	1.14	1.04	0.92
Ssc.3671.2.S1_a_at	FIBP	fibroblast growth factor binding protein	BE232754	NM_004214	0.0009204	0.0195928	0.62**	0.61**	0.69*	0.97	1.11	1.13
Ssc.6521.1.S1_at	RNPS1	RNA binding protein 1	CN166774	NM_006711	0.000922	0.0195928	0.67**	0.68**	0.66**	1.01	0.99	0.98
Ssc.5474.1.S1_at	SF3B2	splicing factor 3b, subunit 2	CB479235	NM_006842	0.0009311	0.0196879	0.66**	0.57**	0.6**	0.87	0.91	1.05
Ssc.17270.1.A1_at	BLCAP	Bladder cancer-associated protein	XM_001928462	NM_006698	0.0009427	0.019694	0.7**	0.82	1.04	1.18	1.48**	1.26*
Ssc.4589.1.S1_at	PRELID1	PRELI domain containing 1	CF788049	NM_013237	0.0009516	0.0196965	0.82	0.59**	0.6**	0.71*	0.73	1.02
Ssc.23517.1.S1_at	TMED4	transmembrane emp24 domain containing protein 4	BX915993	NM_182547	0.0009571	0.0196965	0.7**	0.73*	0.64**	1.05	0.91	0.87
Ssc.27350.1.S1_at	UTP11L	UTP11-like U3 small subunit 1	CN154026	NM_016037	0.0009726	0.0196965	0.41**	0.45**	0.45**	1.1	1.11	1.01
Ssc.12561.1.A1_at	BCAT1	branched chain aminotransferase 1	CK463769	NM_005504	0.0009752	0.0196965	0.56*	0.28**	0.31**	0.5**	0.55*	1.11
Ssc.9170.1.A1_at	PRKD1	protein kinase D1	XM_001925028	NM_002742	0.0009763	0.0196965	0.47**	0.4**	0.44**	0.87	0.96	1.1
Ssc.871.1.S1_at	MB1	proteasome (prosome) subunit 1	CB477771	NM_002793	0.0009764	0.0196965	0.72**	0.69**	0.7**	0.96	0.98	1.02
Ssc.15613.1.A1_at	TMBIM4	transmembrane BAX inhibitor motif containing 4	BQ597965	NM_016056	0.000978	0.0196965	0.77*	0.67**	0.64**	0.86	0.83	0.96
Ssc.2615.1.S1_at	SNRPD1	small nuclear ribonucleoprotein D1	CK449155	NM_006938	0.0010055	0.020003	0.61*	0.33**	0.4**	0.54**	0.65*	1.2
Ssc.19937.1.S1_at	IMPDH2	IMP (inosine monophosphate) dehydrogenase 2	CN163280	NM_000884	0.0010071	0.020003	0.52**	0.52**	0.59**	1	1.14	1.14
Ssc.7970.1.A1_at	WTAP	Wilms tumor 1 associated protein	BQ599898	NM_004906	0.0010538	0.0207127	0.65*	0.58**	0.57**	0.89	0.89	1
Ssc.10169.1.A1_at	MTPAP	mitochondrial poly(A) polymerase	BQ597409	NM_018109	0.0010742	0.0209079	0.61**	0.68*	0.58**	1.12	0.96	0.86
Ssc.2835.2.S1_at	HNRNPU1	heterogeneous nuclear ribonucleoprotein U1	BP455290	NM_007040	0.0010752	0.0209079	0.84	0.55**	0.76	0.66**	0.91	1.38*
Ssc.6171.3.A1_at	HDHD2	haloacid dehalogenase 2	CF794576	NM_032124	0.0010925	0.0210591	0.66**	0.57**	0.64**	0.88	0.98	1.12
Ssc.6868.1.A1_at	COX7A2L	cytochrome c oxidase subunit 7A2, large	CB478999	NM_004718	0.0010945	0.0210591	0.76	0.63**	0.58**	0.83	0.76	0.92
Ssc.5128.1.S1_at	MSL1	male-specific lethal 1	CK456535	NM_001012241	0.0011143	0.0211631	0.69**	0.66**	0.71**	0.96	1.02	1.07
Ssc.27467.1.S1_at	INTS2	integrator complex subunit 2	CN166790	NM_020748	0.0011154	0.0217481	0.89	0.56**	0.55**	0.63*	0.62*	0.99
Ssc.15593.1.S1_at	SLC29A4	solute carrier family 29, member 4	BG610539	NM_153247	0.0011753	0.0220378	0.27**	0.2**	0.18**	0.74	0.66	0.9
Ssc.6670.2.S1_at	SLC39A6	solute carrier family 39, member 6	AW507068	NM_012319	0.0011754	0.0220378	0.6*	0.35**	0.56**	0.58**	0.92	1.59*

Ssc.22161.2.A1_at	FAM159A	family with sequence CF787704	BC041608	0.0011795	0.0220589	0.15**	0.07**	0.02**	0.45	0.15*	0.33
Ssc.16968.1.S1_at	PSMB7	proteasome prosome BQ598597	NM_002799	0.0012159	0.0224637	0.51**	0.47**	0.52**	0.91	1.01	1.11
Ssc.5515.1.S1_at	CDC23	cell division cycle 23 CO956274	NM_004661	0.001227	0.0225897	0.65*	0.45**	0.45**	0.69*	0.7*	1.01
Ssc.1394.1.S1_at	DHX30	DEAH (Asp-Glu-Ala CK452262	NM_014966	0.0012352	0.0225897	0.54**	0.58**	0.59**	1.07	1.09	1.02
Ssc.7872.1.A1_at	DNAJC3	DnaJ (Hsp40) homolog CF792126	NM_006260	0.0012369	0.0225897	0.67**	0.64**	0.66**	0.95	0.99	1.03
Ssc.17985.1.S1_at	CASQ2	calsequestrin 2 cardiac CF178768	NM_001232	0.0012392	0.0225897	0.39**	0.23**	0.22**	0.59	0.57	0.97
Ssc.17639.1.S1_at	CDC23	cell division cycle 23 CD572271	NM_004661	0.0012489	0.0226625	0.57**	0.44**	0.45**	0.78	0.78	1
Ssc.6543.1.S1_at	FAM136A	family with sequence BF702707	NM_032822	0.0012636	0.0227609	0.58**	0.72	0.53**	1.24	0.91	0.74
Ssc.26139.1.S1_at	NUBP1	nucleotide binding protein CK464885	NM_002484	0.0012769	0.0227761	0.6**	0.61**	0.65**	1.02	1.08	1.06
Ssc.16937.1.A1_at	TP53INP2	tumor protein p53 inhibitor CF367777	NM_021202	0.00129	0.0228976	1.05	0.71*	0.5**	0.67*	0.48**	0.71*
Ssc.18494.1.S1_at	ANKRD2	ankyrin repeat domain XR_045692	NM_020349	0.0013122	0.0230646	0.06**	0.1**	0.11**	1.69	1.78	1.05
Ssc.24092.2.S1_at	LOC100061254	hypothetical LOC100612540	NM_013286	0.00134	0.0233339	0.98	0.79	0.6**	0.81	0.61**	0.76
Ssc.27086.1.S1_at	ETFDH	electron-transferring-flavin dehydrogenase CN166517	NM_004453	0.0013495	0.0233885	0.66**	0.78*	0.74**	1.17	1.11	0.95
Ssc.13040.1.A1_at	RANBP1	RAN binding protein BQ603894	NM_002882	0.0013735	0.0235262	0.65*	0.44**	0.46**	0.68*	0.71*	1.05
Ssc.6769.1.A1_at	PSMC6	proteasome (prosome) XM_001928747	NM_002806	0.001393	0.0238041	0.66**	0.65**	0.63**	0.98	0.96	0.98
Ssc.17192.1.S1_at	WDR1	WD repeat domain 1 CF359814	NM_005112	0.0013963	0.0238048	0.53**	0.48**	0.39**	0.92	0.75	0.81
Ssc.5102.1.S1_at	MRPS27	mitochondrial ribosomal protein S27 CK463718	NM_015084	0.0014241	0.0239908	0.56**	0.61**	0.59**	1.1	1.06	0.96
Ssc.7362.1.S1_at	EPRS	glutamyl-prolyl-tRNA synthetase CN029092	NM_004446	0.0014378	0.0240001	0.54**	0.5**	0.45**	0.92	0.84	0.91
Ssc.1246.1.S1_at	RNF5	ring finger protein 5 NM_001123224	NM_006913	0.0014403	0.0240001	0.7**	0.76**	0.86	1.09	1.22*	1.13
Ssc.20901.1.A1_at	RAB14	RAB14, member RA CF792317	NM_016322	0.0014404	0.0240001	0.72**	0.73**	0.74**	1.01	1.03	1.02
Ssc.2699.1.S1_at	ALG3	asparagine-linked glycoprotein BG833873	NR_024534	0.0014452	0.0240248	0.71	0.56**	0.59**	0.79	0.83	1.05
Ssc.2418.1.A1_at	BTAF1	BTAF1 RNA polymerase II subunit CN162944	NM_003972	0.00145	0.0240501	0.61**	0.69*	0.61**	1.12	1	0.89
Ssc.24025.1.A1_at	C27H8orf40	chromosome 8 open reading frame 40 XM_001928255	NM_138436	0.0014632	0.0241595	0.63**	0.57**	0.71*	0.9	1.12	1.24
Ssc.8918.1.A1_at	DCBLD2	discoidin, CUB and I domain containing 2 NM_080927	NM_080927	0.0015059	0.0244577	1.32*	1	0.84	0.76*	0.64**	0.83
Ssc.6670.1.A1_at	SLC39A6	solute carrier family 39 member 6 BQ599672	NM_012319	0.0015135	0.0244577	0.64*	0.4**	0.5**	0.63*	0.78	1.23
Ssc.21885.1.S1_at	KIAA0664	protein KIAA0664 BI340549	NM_015229	0.0015175	0.0244577	0.42**	0.44**	0.52**	1.05	1.23	1.17
Ssc.2373.1.A1_at	WDR77	WD repeat domain 77 XM_001928805	NM_024102	0.0015269	0.0245471	0.63**	0.6**	0.68*	0.95	1.07	1.13
Ssc.1675.1.S1_at	TIMM13	translocase of inner mitochondrial membrane 13 CN163460	NM_012458	0.0015347	0.02462	0.65**	0.62**	0.63**	0.95	0.97	1.02
Ssc.21889.1.S1_at	AGK	acylglycerol kinase NM_001143699	NM_018238	0.0015696	0.0249065	0.68*	0.47**	0.6**	0.68*	0.88	1.28**
Ssc.6931.1.A1_at	HSPA13	stress 70 protein chaperone BF703328	NM_006948	0.0015731	0.0249087	0.5*	0.3**	0.27**	0.6*	0.55*	0.91
Ssc.6506.1.A1_at	SLC18A2	solute carrier family 18 member 2 XM_001927394	NM_003054	0.001586	0.0250578	0.64**	0.62**	0.63**	0.96	0.98	1.02
Ssc.11506.1.A1_at	NAP1L4	nucleosome assembly protein 1-like 4 CO946371	NM_005969	0.0016022	0.0250886	0.66**	0.75*	0.76*	1.14	1.15	1.01
Ssc.16839.1.S1_at	DDAH1	dimethylarginine dimethylaminohydrolase 1 BG895518	NM_012137	0.0016115	0.0250886	0.21**	0.22**	0.23**	1.04	1.08	1.04
Ssc.18429.1.S1_at	DYSFIP1	dysferlin interacting protein 1 CF181704	NM_001007533	0.0016203	0.0251136	0.72*	0.62**	0.68**	0.87	0.94	1.09
Ssc.9122.1.S1_at	DDX42	DEAD (Asp-Glu-Ala) box protein 42 BI817185	NM_007372	0.001633	0.0251507	0.67**	0.78*	0.69**	1.17	1.03	0.88
Ssc.19354.1.S1_at	CHCHD4	coiled-coil-helix-coil domain containing 4 CF368378	NM_144636	0.0016514	0.0252699	0.48**	0.39**	0.44**	0.81	0.93	1.15
Ssc.7154.1.A1_at	GPR64	Pig DNA sequence fragment BF702719	NM_005756	0.0016549	0.0252699	0.45**	0.28**	0.31**	0.63	0.68	1.08
Ssc.24367.1.S1_at	VAR5	valyl-tRNA synthetase CK461101	NM_006295	0.0016648	0.0252699	0.34**	0.35**	0.37**	1.03	1.1	1.07

Ssc.1987.1.S1_at	TIAF1	TGFB1-induced anti-CK462893	NM_004740	0.0016971	0.0253354	0.49**	0.48**	0.56**	0.98	1.14	1.17
Ssc.16679.1.S1_at	BMP1	bone morphogenetic j XM_001927773	NM_001199	0.0017025	0.0253354	0.45**	0.44**	0.43**	0.98	0.96	0.98
Ssc.6429.1.S1_at	WDR36	WD repeat domain 3 CN161944	NM_139281	0.0017121	0.0253354	0.64**	0.79	0.86	1.23	1.34*	1.08
Ssc.5903.1.S1_at	PSMD13	proteasome (prosome CN159588	NM_002817	0.0017208	0.0253354	0.51**	0.53**	0.58*	1.05	1.14	1.09
Ssc.7557.1.A1_at	TIGD1	tigger transposable el NM_145702	NM_145702	0.0017224	0.0253354	1.02	1.14	0.54**	1.12	0.53**	0.48**
Ssc.785.1.S1_at	COMT	catechol-O-methyltra XM_001929638	NM_000754	0.0017245	0.0253354	0.49**	0.38**	0.44**	0.78	0.89	1.14
Ssc.15593.2.S1_at	WFS1	Wolfram syndrome 1 BC030130	NM_006005	0.0017375	0.0253565	0.15**	0.17*	0.05**	1.13	0.31*	0.27*
Ssc.18737.1.S1_at	LETM1	leucine zipper-EF-ha BX923499	NM_012318	0.0017401	0.0253565	0.43**	0.46**	0.55**	1.06	1.26	1.19
Ssc.24540.1.S1_at	KIF13B	kinesin family memb CK459832	NM_015254	0.0017529	0.0253971	0.7*	0.75*	0.5**	1.07	0.71*	0.66**
Ssc.16667.1.A1_at	SNRNP40	small nuclear ribonuc BI340591	NM_004814	0.001778	0.0256088	0.7	0.55**	0.62**	0.78	0.88	1.13
Ssc.13585.8.S1_x_ε	RPL36AL	large subunit ribosor BX914692	NM_001001	0.0017875	0.0256948	0.43**	0.37**	0.39**	0.85	0.9	1.06
Ssc.24145.1.S1_at	ESF1	ESF1, nucleolar pre-r XM_001926068	NM_016649	0.0018028	0.0257993	0.71	0.57**	0.51**	0.81	0.72	0.88
Ssc.3237.1.S1_at	WTAP	Wilms tumor 1 assoc CN158098	NM_004906	0.0018042	0.0257993	0.3**	0.34**	0.22**	1.15	0.75	0.65
Ssc.13496.1.A1_at	HISPPD2A	histidine acid phosph CK459773	NM_014659	0.0018273	0.025911	0.64**	0.93	0.95	1.46**	1.49**	1.02
Ssc.6631.2.A1_at	LPCAT3	lysophosphatidylchol BQ599850	NM_005768	0.0018334	0.0259371	0.42**	0.65*	0.41**	1.54*	0.98	0.64*
Ssc.26307.1.S1_at	TRA2B	Transformer 2 beta h NM_001077221	NM_004593	0.0018444	0.0260026	0.78	0.66**	0.64**	0.84	0.81	0.97
Ssc.21284.1.S1_at	TMEM41A	transmembrane prote CK449478	NM_080652	0.0018515	0.0260523	0.84	0.69*	0.61**	0.83	0.73*	0.88
Ssc.953.1.A1_at	COX8A	cytochrome c oxidase CF792163	NM_004074	0.0018582	0.0260968	0.68	0.51**	0.56**	0.75	0.82	1.1
Ssc.19310.1.S1_at	CSRP3	cysteine and glycine- CK467662	NM_003476	0.0018933	0.0263776	0.2**	0.27**	0.31**	1.32	1.52	1.15
Ssc.24242.1.A1_at	LUC7L2	LUC7-like 2 (S. cere CN160170	NM_016019	0.0018985	0.0263776	0.65**	0.64**	0.68*	0.98	1.05	1.07
Ssc.2081.1.S1_at	RBM8A	RNA-binding protein XM_001927860	NM_005105	0.0018988	0.0263776	0.67*	0.61**	0.64**	0.92	0.96	1.04
Ssc.769.1.S1_a_at	RPL13	ribosomal protein L1 CK452055	NM_000977	0.0018998	0.0263776	0.76*	0.7**	0.75**	0.93	0.99	1.07
Ssc.16897.1.S1_at	FARSB	phenylalanyl-tRNA s CF792041	NM_005687	0.0019245	0.0265694	0.48**	0.44**	0.51**	0.92	1.08	1.17
Ssc.27126.1.A1_at	GPATCH3	G patch domain cont: CN166974	NM_022078	0.0019401	0.0266355	0.74	1.04	0.35**	1.4	0.47**	0.33**
Ssc.28311.1.S1_at	RCL1	RNA terminal phosphl XM_001926437	NM_005772	0.0019646	0.0267511	0.43**	0.55**	0.62*	1.28	1.45*	1.14
Ssc.120.1.S1_at	ENG	endoglin NM_214031	NM_000118	0.0019697	0.0267511	0.6**	0.66**	0.48**	1.1	0.8	0.73*
Ssc.27124.1.A1_at	ODZ3	odz, odd Oz/ten-m hc CN166913	NM_001080477	0.00197	0.0267511	0.53**	0.55**	0.56**	1.04	1.05	1.01
Ssc.2696.1.S1_at	NISCH	nischarin XM_001925354	NM_007184	0.0019806	0.0267552	0.67**	0.76*	0.78*	1.13	1.16	1.02
Ssc.30502.1.A1_at	PDE12	phosphodiesterase 12 CO992807	NM_177966	0.0019866	0.0267726	1.14	0.92	0.62*	0.81	0.55**	0.67*
Ssc.31065.1.A1_at	SFRS1	splicing factor argini CO942840	NM_020706	0.002003	0.0269275	0.49*	0.27**	0.36**	0.56*	0.73	1.31
Ssc.29195.1.S1_at	AFF1	AF4/FMR2 family, n CO951709	NM_005935	0.0020055	0.0269275	0.77*	0.86	0.7**	1.12	0.91	0.81
Ssc.13633.1.A1_at	ASCC3	activating signal coin XM_001926166	NM_022091	0.0020158	0.0269873	0.52**	0.62*	0.65*	1.2	1.26	1.05
Ssc.11606.1.S1_at	RNF4	ring finger protein 4 BQ604527	NM_002938	0.0020222	0.0269873	0.7*	0.67**	0.64**	0.96	0.91	0.95
Ssc.3464.1.S1_at	IDH3B	isocitrate dehydrogen NM_001044575	NM_006899	0.0020466	0.0271805	0.57*	0.54**	0.51**	0.94	0.9	0.95
Ssc.13779.1.A1_at	SPCS2	signal peptidase comj CO992223	NM_014752	0.0020717	0.0274297	0.73	0.58**	0.58**	0.78	0.79	1.01
Ssc.5754.1.A1_at	NAPG	N-ethylmaleimide-se BI404252	NM_003826	0.0020825	0.0275086	0.6**	0.54**	0.67*	0.89	1.11	1.24
Ssc.29837.1.A1_at	PA2G4	proliferation-associat CO937226	NM_006191	0.0021164	0.0276548	0.42**	0.54**	0.39**	1.27	0.92	0.73
Ssc.790.1.S1_at	SNRPB	Homo sapiens, Simil: CK462405	NM_003091	0.0021195	0.0276548	0.68**	0.65**	0.69*	0.96	1.03	1.07

Ssc.9139.1.A1_at	TRDMT1	tRNA aspartic acid r	BF709630	NM_004412	0.0021213	0.0276548	0.53**	0.49**	0.5**	0.91	0.94	1.04
Ssc.1241.1.S1_at	HSPE1	heat shock 10kDa prc	NM_214307	NM_002157	0.0021217	0.0276548	0.69*	0.66**	0.66**	0.96	0.95	0.99
Ssc.1176.1.A1_at	TGFBR3	transforming growth	BM190033	NM_003243	0.0021238	0.0276548	0.42**	0.48**	0.35**	1.14	0.82	0.72
Ssc.26712.1.S1_a_a	SHARPIN	SHANK-associated F	CN160122	NM_030974	0.0021352	0.0277547	0.58**	0.63*	0.54**	1.1	0.93	0.84
Ssc.21891.1.S1_at	PCIF1	PDX1 C-terminal inh	XM_001928973	NM_022104	0.0021449	0.0277864	0.66*	0.66*	0.52**	1	0.79	0.79
Ssc.28329.1.S1_at	POLB	polymerase DNA dir	AJ659235	NM_002690	0.0021812	0.0279891	0.74**	0.6**	0.69**	0.81	0.93	1.15
Ssc.1014.1.S1_at	PSMB4	CDNA FLJ56661 coi	XM_001929641	NM_002796	0.0022126	0.0279891	0.6**	0.58**	0.58**	0.97	0.97	1
Ssc.6633.1.S1_at	BAT2	HLA-B associated tr	NM_001114675	NM_080686	0.0022146	0.0279891	0.54**	0.47**	0.57**	0.88	1.06	1.2
Ssc.26722.1.S1_at	BOLL	bol, boule-like (Dros	CN158843	NM_033030	0.0022341	0.0279891	0.49**	0.44**	0.44**	0.89	0.9	1.01
Ssc.30990.1.A1_at	HSPA14	heat shock 70kDa prc	CO942981	NM_016299	0.0022509	0.0280439	0.74	0.56**	0.58**	0.77	0.79	1.04
Ssc.15243.1.S1_at	MLL2	myeloid/lymphoid or	CN158394	NM_003482	0.0022689	0.028063	0.75*	0.75*	0.62**	0.99	0.83	0.83
Ssc.1269.3.S1_at	PAAF1	proteasomal ATPase-	CK454004	NM_025155	0.0022738	0.028063	0.57**	0.5**	0.66	0.89	1.17	1.32
Ssc.27240.1.S1_at	TTLL9	tubulintyrosineligase-	CN153054	NM_001008409	0.0022788	0.0280662	0.68*	0.6**	0.72*	0.88	1.06	1.2
Ssc.3253.1.S1_at	NSDHL	NAD(P) dependent s	XM_001927107	NM_015922	0.0022924	0.0280662	0.5*	0.32**	0.38**	0.64*	0.76	1.18
Ssc.27210.1.S1_at	FASTK	Fas-activatedserine/t	NM_001143707	NM_006712	0.0022965	0.0280662	0.78	0.61**	0.63**	0.78	0.81	1.04
Ssc.1480.1.S1_at	PSMD1	proteasome 26S non-	XM_001925902	NM_002807	0.002328	0.0281678	0.56*	0.54**	0.52**	0.97	0.92	0.95
Ssc.4244.1.S1_at	PLEC1	Homo sapiens plectir	BQ602000	NM_000445	0.0023291	0.0281678	0.48**	0.46**	0.46**	0.95	0.95	1
Ssc.18237.1.A1_at	DIP2B	DIP2 disco-interactin	CF180403	NM_173602	0.00235	0.0281984	1.02	1.04	0.71**	1.01	0.69**	0.69**
Ssc.3480.1.S1_at	YWHAB	tyrosine 3-monooxyg	XM_001927254	NM_003404	0.0023546	0.0281984	0.75	0.61**	0.65**	0.82	0.87	1.06
Ssc.9813.1.A1_at	PRRX1	paired related homeoi	CF789069	NM_006902	0.0023568	0.0281984	0.52**	0.52**	0.48**	1.02	0.93	0.91
Ssc.25069.1.S1_at	CTPS	CTP synthase	CN153765	NM_001905	0.0023579	0.0281984	0.4**	0.27**	0.37**	0.69	0.94	1.37
Ssc.5268.1.S1_at	NF2	neurofibromin 2 (mei	AW668748	NM_000268	0.002366	0.0282494	0.65*	0.41**	0.52**	0.63*	0.8	1.27
Ssc.18367.1.S1_at	GPATCH4	G patch domain cont	CN160528	NM_015590	0.0023796	0.0283193	0.3**	0.31**	0.25**	1.03	0.82	0.8
Ssc.30707.1.S1_at	ACL	ATP citrate lyase	NM_001105302	NM_198830	0.0023995	0.0285108	0.77	0.64**	0.62**	0.83	0.8	0.96
Ssc.22719.1.S1_at	TIMM8A	translocase of inner n	CO952385	NM_004085	0.0024452	0.0287486	0.44**	0.4**	0.4**	0.9	0.9	1
Ssc.24344.1.S1_a_a	DNMT1	DNA cytosine-5-met	NM_001032355	NM_001379	0.0024498	0.0287486	0.81	0.38**	0.53**	0.47**	0.66	1.42
Ssc.12403.2.S1_at	C3orf31	chromosome 3 open i	AK236493	NM_138807	0.0024793	0.028825	0.6**	0.42**	0.49**	0.7	0.81	1.16
Ssc.18590.1.S1_at	LMOD2	leiomodoin 2	CF175719	AC006333	0.0025071	0.028825	0.29**	0.3**	0.25**	1.04	0.89	0.85
Ssc.26371.1.S1_at	METTL11A	AD-003 protein	CN162682	NM_014064	0.002509	0.028825	0.49**	0.53**	0.56**	1.08	1.15	1.06
Ssc.16423.1.S1_at	TRA2A	Transformer 2 alpha	NM_001077223	NM_013293	0.0025145	0.028825	0.66	0.56**	0.52**	0.85	0.79	0.93
Ssc.21696.1.S1_at	NACC1	Homo sapiens mRNA	BF189187	NM_052876	0.0025205	0.028825	0.57**	0.47**	0.43**	0.82	0.75	0.91
Ssc.1523.1.S1_at	LSM10	LSM10, U7 small nu	CK465465	NM_032881	0.0025425	0.0288462	0.65**	0.68**	0.8	1.05	1.23	1.17
Ssc.9058.1.A1_at	C8orf82	Homo sapiens chrom	CK451950	NM_001001795	0.0025536	0.0288462	0.42**	0.46**	0.48**	1.12	1.15	1.03
Ssc.16820.2.S1_at	MYBBP1A	Myb-binding protein	BI467458	NM_014520	0.0025618	0.0288462	0.41**	0.41**	0.35**	1.01	0.86	0.85
Ssc.21632.1.S1_at	LRRC47	leucine rich repeat co	CF795097	NM_020710	0.0025642	0.0288462	0.63**	0.71*	0.69*	1.12	1.09	0.97
Ssc.1269.2.S1_at	PAAF1	proteasomal ATPase-	BX673185	NM_025155	0.0025735	0.0288462	0.45**	0.4**	0.43**	0.88	0.94	1.06
Ssc.4072.1.A1_at	UBXN6	UBX domain protein	CF366282	NM_025241	0.0026029	0.0288496	0.57*	0.53**	0.55**	0.94	0.96	1.03
Ssc.4814.1.A1_at	NOP58	NOP58 ribonucleopr	CK449401	NM_015934	0.0026205	0.0288496	0.56**	0.44**	0.47**	0.78	0.84	1.08

Ssc.30033.1.A1_at	THUMPD1	THUMP domain con	CO952131	NM_017736	0.0026206	0.0288496	0.58**	0.49**	0.52**	0.85	0.9	1.06
Ssc.11119.1.S1_at	SERBP1	SERPINE1 mRNA b	BQ600611	NM_015640	0.0026237	0.0288496	0.67**	0.67**	0.73*	1	1.09	1.09
Ssc.29008.1.S1_at	THOC2	THO complex 2	CF359840	NM_020449	0.00263	0.0288496	0.53**	0.6**	0.49**	1.13	0.92	0.82
Ssc.13983.1.S2_at	PPP2CA	protein phosphatase 2	NM_214366	NM_002715	0.0026314	0.0288496	0.61*	0.52**	0.53**	0.85	0.87	1.03
Ssc.4175.1.A1_at	SELI	selenoprotein I	CF360328	NM_033505	0.0026366	0.0288496	0.39**	0.4**	0.43**	1.03	1.09	1.06
Ssc.5769.1.S1_at	RRSSF2	Ras association (RalG	CK463195	NM_014737	0.0026378	0.0288496	2.09**	2.56**	1.67*	1.23	0.8	0.65*
Ssc.24930.1.S1_at	LTV1	LTV1 homolog	CK459448	NM_032860	0.0026561	0.0289764	0.53**	0.46**	0.4**	0.87	0.76	0.87
Ssc.20367.1.S1_at	TRIAP1	TP53 regulated inhib	CN154943	NM_016399	0.0026705	0.0290904	0.62**	0.64**	0.67*	1.02	1.08	1.05
Ssc.6152.1.A1_at	SELI	selenoprotein I	BI343463	NM_033505	0.0026824	0.0291432	0.51**	0.35**	0.46**	0.68	0.89	1.32
Ssc.14827.1.S1_at	TXN2	thioredoxin 2	CK454960	NM_012473	0.0026881	0.0291516	0.68**	0.73*	0.68**	1.08	1	0.93
Ssc.4999.1.S1_at	AVPI1	arginine vasopressin-	XM_001929059	NM_021732	0.0026964	0.0291989	0.86	0.7*	0.6**	0.82	0.69*	0.85
Ssc.3441.1.A1_at	GMFB	glia maturation factor	BE233581	NM_004124	0.0027096	0.0292267	1.24	0.77	0.88	0.62**	0.71*	1.15
Ssc.6766.1.A1_at	MEF2C	myocyte enhancer fac	NM_001044540	NM_002397	0.0027224	0.0292267	0.77	0.57**	0.63*	0.74	0.82	1.11
Ssc.5131.1.S1_at	CCNK	cyclin K	XM_001925518	NM_003858	0.0027229	0.0292267	0.38**	0.41**	0.43**	1.08	1.15	1.07
Ssc.16563.1.S1_at	OSTC	oligosaccharyltransfe	CB475739	NM_021227	0.0027772	0.0295485	0.51**	0.35**	0.43**	0.68	0.84	1.24
Ssc.1106.1.S1_at	SLC19A2	solute carrier family 1	BX666627	NM_006996	0.0027986	0.0295485	0.66**	0.68**	0.71*	1.03	1.07	1.04
Ssc.2250.3.S1_at	FBXW7	F-box and WD-40 do	AW415040	NM_018315	0.0028121	0.0295485	0.88	0.65*	0.62**	0.74	0.7*	0.96
Ssc.8638.1.A1_at	TBL2	transducin beta-like 2	CK456263	NM_012453	0.002814	0.0295485	0.44**	0.7*	0.83	1.58*	1.89**	1.19
Ssc.5146.1.A1_at	SRRT	serrate RNA effector	CK457009	NM_015908	0.0028196	0.0295485	0.75	0.59**	0.73*	0.79	0.98	1.24
Ssc.29988.1.A1_at	PRPS1	phosphoribosyl pyro	CO938151	NM_002764	0.0028401	0.02966	0.54	0.51*	0.63	0.95	1.17	1.23
Ssc.4917.2.S1_a_at	C17orf101	chromosome 17 open	AW482580	NM_024648	0.0028518	0.0297398	0.57**	0.48**	0.71*	0.84	1.25	1.49*
Ssc.27153.1.S1_at	RRP8	ribosomal RNA proc	AJ133891	NM_015324	0.0028863	0.02999	0.55**	0.38**	0.55**	0.7	1	1.43
Ssc.4742.1.S1_at	TUBA4A	serine/threonine kina	CO954570	BC018854	0.0028963	0.02999	0.54**	0.36**	0.49**	0.68	0.92	1.36
Ssc.6862.1.A1_at	FAM18B	family with sequence	CN160641	NM_016078	0.0029153	0.03006	0.59**	0.63*	0.67*	1.08	1.14	1.05
Ssc.22511.1.S1_at	C3orf1	Homo sapiens chrom	CK459079	NM_016589	0.0029214	0.0300804	0.61**	0.62**	0.62**	1	1.01	1
Ssc.18191.1.S1_at	MRPL20	mitochondrial riboso	CF179749	NM_017971	0.0029546	0.0302101	0.73*	0.62**	0.74*	0.86	1.01	1.19
Ssc.18494.2.A1_at	ANKRD2	ankyrin repeat domai	XR_045692	NM_014915	0.0030028	0.030571	0.08**	0.14**	0.12**	1.81	1.5	0.83
Ssc.4682.1.A1_at	DDX18	DEAD box polypepti	XM_001927604	NM_006773	0.0030066	0.030571	0.61**	0.47**	0.5**	0.78	0.83	1.06
Ssc.944.1.A1_at	LMNA	lamin A and C	NM_001111257	NM_005572	0.003023	0.030635	0.66*	0.49**	0.46**	0.75	0.7*	0.93
Ssc.20606.1.S1_at	EIF4GI	eIF4GI protein	CK465136	NM_182917	0.0030254	0.030635	0.57**	0.59**	0.67*	1.03	1.19	1.15
Ssc.13124.1.S1_at			BQ604406		0.0030386	0.0306836	1.32	0.72	0.63*	0.55**	0.48**	0.87
Ssc.27202.1.A1_at	TTC27	tetratricopeptide repe	CN155962	NM_017735	0.0030511	0.0307251	0.55**	0.43**	0.6*	0.78	1.09	1.39*
Ssc.30715.1.S1_at	CLPTM1L	CLPTM1-like	CO947203	NM_030782	0.0030747	0.030836	0.62*	0.57**	0.6**	0.93	0.97	1.04
Ssc.8943.1.S1_at	TSR2	TSR2, 20S rRNA acc	XM_001927898	NM_058163	0.0030877	0.0308886	0.62**	0.72*	0.92	1.16	1.48*	1.28
Ssc.6624.1.S1_a_at	MRTO4	mRNA turnover 4 ho	BI185773	NM_016183	0.0031355	0.0310671	0.38**	0.26**	0.3**	0.69	0.78	1.13
Ssc.17010.1.S1_at	ZNF259	zinc finger protein 25	BF442520	NM_003904	0.0031415	0.0310671	0.55**	0.5**	0.54**	0.9	0.98	1.09
Ssc.5976.1.S1_a_at	SUPY4H1	suppressor of Ty 4 hc	CF795453	NM_003168	0.0031462	0.0310671	0.53**	0.46**	0.56**	0.86	1.04	1.21
Ssc.27236.1.S1_at	UTY	ubiquitouslytranscrib	CN153061	NM_007125	0.0031553	0.0310671	1.1	1.44	0.72	1.31	0.65*	0.5**

Ssc.27579.1.S1_at	MAPK1IP1L	mitogen-activated pro	CN160995	NM_144578	0.0031608	0.0310671	1	0.61*	0.64*	0.61*	0.64*	1.04
Ssc.3424.1.S1_at	UBIAD1	UbiA prenyltransfera	CF365119	NM_013319	0.0031647	0.0310671	0.54**	0.83	0.77	1.55*	1.44	0.93
Ssc.4856.1.A1_at	ST3GAL1	ST3 beta-galactoside	AW415996	NM_003033	0.0031698	0.0310671	0.66*	0.62**	0.49**	0.93	0.75*	0.8
Ssc.12479.1.S1_at	ILF3	interleukin enhancer	CO949422	NM_012218	0.0031997	0.0312347	0.64**	0.49**	0.56**	0.77	0.89	1.15
Ssc.12897.1.S1_at	C8orf40	Homo sapiens chrom	XM_001928255	NM_138436	0.00322	0.0312544	0.54**	0.57*	0.61*	1.06	1.14	1.07
Ssc.2196.1.S1_at	URM1	ubiquitin related mod	XM_001928641	NM_030914	0.0032232	0.0312544	0.55*	0.38**	0.34**	0.69	0.62*	0.9
Ssc.5051.1.S1_at	FLT1	fms-related tyrosine	CD572456	NM_002019	0.0032354	0.0312544	0.58	0.89	0.83	1.54	1.44	0.94
Ssc.24912.1.S1_at	RRP12	ribosomal RNA proc	BE236119	NM_015179	0.0032367	0.0312544	0.36**	0.41**	0.41**	1.16	1.16	1
Ssc.21213.1.S1_at	THOC2	THO complex 2	XM_001924331	NM_020449	0.0032401	0.0312544	0.58**	0.61*	0.61*	1.06	1.05	0.99
Ssc.10931.1.S1_at	CRYAB	crystallin alpha B	CF180854	NM_001885	0.0032692	0.0313976	0.37**	0.38**	0.39**	1.02	1.04	1.02
Ssc.27139.1.A1_at	LIPT1	lipoyltransferase 1	AY609453	NM_015929	0.0032763	0.0313976	0.49**	0.65**	0.62**	1.31	1.25	0.96
Ssc.1532.1.S1_at	XPNPEP3	X-prolyl aminopeptic	BX668573	NM_022098	0.0033013	0.0315093	0.61**	0.67*	0.76	1.1	1.25	1.14
Ssc.7788.1.A1_at			BQ599454		0.0033127	0.0315093	0.49**	0.47**	0.51**	0.95	1.04	1.09
Ssc.2783.1.A1_at	PAFAH1B2	platelet-activating fac	CO942396	NM_002572	0.0033192	0.0315194	0.66*	0.63**	0.61**	0.95	0.92	0.97
Ssc.30976.1.A1_at	SRRM2	serine/arginine repeti	CO946287	NM_016333	0.0033332	0.0315706	0.62**	0.65*	0.62**	1.04	1	0.96
Ssc.5560.1.S1_at	HOMER2	homer homolog 2	XM_001927296	NM_004839	0.0033575	0.0316354	0.33**	0.39**	0.32**	1.18	0.99	0.83
Ssc.3222.1.S1_at	SF3B4	splicing factor 3b, sul	XM_001926489	NM_005850	0.0033616	0.0316354	0.69*	0.64**	0.7*	0.93	1.02	1.1
Ssc.10076.1.S1_at	RMP	RNA polymerase II, :	AJ659756	NM_003796	0.0033873	0.0318358	0.66*	0.65*	0.57**	0.98	0.87	0.89
Ssc.17340.1.S1_at	PSME3	proteasome prosome	NM_214348	NM_005789	0.0033918	0.0318358	0.72	0.66*	0.59**	0.92	0.82	0.89
Ssc.1127.1.A1_at	LARS	leucyl-tRNA synthet	BI341304	NM_020117	0.0034164	0.0319868	0.51**	0.56*	0.56*	1.09	1.09	1
Ssc.10538.1.A1_at	HNRNPM	heterogeneous nuclea	CN163960	NM_005968	0.0034252	0.0320025	0.59**	0.58**	0.67*	0.97	1.12	1.15
Ssc.5241.1.A1_at	SNRPF	small nuclear ribonuc	XM_001925026	NM_003095	0.0034268	0.0320025	0.63*	0.53**	0.78	0.83	1.22	1.47
Ssc.1002.1.A1_at	SFRS2B	splicing factor, argini	CB480018	NM_032102	0.0034377	0.0320641	0.63**	0.49**	0.59**	0.78	0.94	1.2
Ssc.21166.1.S1_at	TIMM10	translocase of inner n	CN155836	NM_012456	0.003459	0.0321336	0.61**	0.58**	0.73	0.96	1.2	1.25
Ssc.9089.1.A1_at	HNRNPAB	Heterogeneous nucle	NM_001112695	NM_004499	0.0034782	0.0321392	0.7	0.54**	0.58*	0.77	0.82	1.06
Ssc.1388.1.S1_at	NUDT2	nudix	NM_214309	NM_032344	0.003499	0.032194	1.02	0.48**	0.45**	0.48**	0.44**	0.92
Ssc.14309.1.S1_at	PANX2	pannexin 2	CD572623	NM_052839	0.0035044	0.032194	0.92	1.49*	0.69*	1.61**	0.74	0.46**
Ssc.21850.1.S1_at	LRP5L	low density lipoprote	BX670718	NM_182492	0.0035343	0.032325	0.48**	0.34**	0.54*	0.72	1.13	1.57*
Ssc.8300.1.A1_at	FAM169A	family with sequence	AJ662440	BC044766	0.0035363	0.032325	0.46*	0.39**	0.22**	0.84	0.47*	0.56
Ssc.2739.1.S1_at	SELS	selenoprotein S	XR_045673	NM_018445	0.0035639	0.0323521	0.65*	0.58**	0.49**	0.89	0.76	0.85
Ssc.4223.1.S1_at	ACTR1B	ARP1 actin-related p	BI402326	NM_005735	0.0035657	0.0323521	0.66*	0.6**	0.7*	0.91	1.07	1.17
Ssc.5380.1.S1_at	PRDX1	peroxiredoxin 1	CO949511	NM_002574	0.0036311	0.0327431	0.5**	0.4**	0.4**	0.8	0.8	0.99
Ssc.26900.1.A1_at	SLC25A12	solute carrier family	CN162828	NM_003705	0.0036418	0.0327827	0.47**	0.48**	0.6**	1.02	1.29	1.26
Ssc.10710.1.A1_at			BQ597761		0.0036799	0.0329275	0.52**	0.74	0.75	1.41	1.43	1.01
Ssc.2858.1.S1_at	GMPR2	Guanosine monophos	XM_001928014	NM_016576	0.0037089	0.0329974	0.57**	0.5**	0.48**	0.88	0.84	0.96
Ssc.2290.1.S1_at	CLPB	ClpB caseinolytic pe	AW786869	NM_030813	0.0037174	0.0330332	0.83	0.59**	0.66*	0.72	0.79	1.11
Ssc.13523.1.A1_at	RELL1	RELT-like 1	BQ602589	NM_001085399	0.0037909	0.0333262	0.63*	0.54*	0.52**	0.86	0.82	0.95
Ssc.1549.1.A1_at	STIP1	stress-induced-phosp	CF178890	NM_006819	0.003794	0.0333262	0.64*	0.55**	0.5**	0.87	0.78	0.9

Ssc.28325.1.S1_at	TUBA3D	tubulin, alpha 3d	CN032522	NM_006001	0.0037958	0.0333262	0.61*	0.41**	0.51**	0.67	0.84	1.25
Ssc.22436.1.S1_at	CYP26B1	cytochrome P450, fam	CN154531	NM_019885	0.0038926	0.0339056	0.63*	0.58**	0.75	0.92	1.2	1.31
Ssc.27454.1.S1_at	ATIC	Bifunctional purine b	NM_001130736	NM_004044	0.0038942	0.0339056	0.63*	0.41**	0.5**	0.65*	0.8	1.22
Ssc.1750.1.S1_at	PSMC4	proteasome (prosome BX	667477	NM_006503	0.003924	0.034004	0.56*	0.52**	0.59*	0.93	1.06	1.14
Ssc.24335.1.A1_at	RBM7	RNA binding motif p	CF792424	NM_016090	0.0039525	0.0341612	0.51**	0.49**	0.57**	0.97	1.12	1.16
Ssc.4213.1.S1_at	COQ4	coenzyme Q4 homolog	XM_001925521	NM_016035	0.0039669	0.0341747	0.48**	0.49**	0.53**	1.03	1.11	1.08
Ssc.24214.1.S1_at	GRWD1	glutamate-rich WD r	CK452635	NM_031485	0.0040111	0.0343384	0.44**	0.51**	0.56**	1.17	1.28	1.09
Ssc.7934.1.A1_at	TRIM65	tripartite motif-contai	BQ599810	NM_173547	0.0040217	0.0343384	0.74	0.38**	0.82	0.51**	1.1	2.17**
Ssc.2860.1.S1_at	FAF2	Fas associated factor	CK456313	NM_174889	0.004026	0.0343384	0.61**	0.52**	0.47**	0.86	0.78	0.9
Ssc.11002.1.S1_at	CCT7	chaperonin containin	CB478454	NM_006429	0.0040291	0.0343384	0.57*	0.53*	0.51**	0.93	0.9	0.97
Ssc.10155.1.S1_at	KCTD9	potassium channel te	CK465447	NM_017634	0.0040888	0.0344705	0.49**	0.65*	0.73*	1.32	1.48*	1.12
Ssc.17238.1.A1_at	MUSTN1	musculoskeletal emb	XM_001928861	NM_205853	0.0040982	0.0344705	0.38*	0.24**	0.32**	0.62	0.84	1.35
Ssc.7247.2.A1_at	RAC1	ras-related C3 botulin	CN160186	NM_017444	0.0040993	0.0344705	0.55**	0.59**	0.48**	1.07	0.88	0.82
Ssc.28427.1.A1_at	ZNF667	zinc finger protein 66	CF179898	NM_022103	0.00412	0.034558	0.48**	0.42**	0.43**	0.88	0.91	1.03
Ssc.18203.1.S1_a	aEIF4E2	eukaryotic translatio	NM_001100191	NM_004846	0.0041281	0.0345866	0.7*	0.6**	0.49**	0.85	0.7*	0.82
Ssc.6282.1.S1_at	TMED4	transmembrane emp2	CF795384	NM_182547	0.0041359	0.0346125	0.65*	0.7	0.54**	1.08	0.83	0.77
Ssc.8663.1.A1_at	PGRMC2	progesterone recepto	BF703355	NM_006320	0.0041702	0.0348201	1.89**	2.08**	1.45*	1.1	0.76	0.7*
Ssc.9306.1.A1_at	TMEM69	transmembrane prote	CK463222	NM_016486	0.0041999	0.0349491	0.58*	0.53**	0.58*	0.91	0.99	1.09
Ssc.19649.1.S1_at	PSMD14	proteasome 26S subu	XM_001926298	NM_005805	0.0042481	0.0350708	0.48**	0.41**	0.43**	0.86	0.9	1.04
Ssc.17615.1.S1_at	ATP1B1	ATPase, Na+/K+ tra	NM_001001542	NM_001677	0.0042722	0.0351907	0.61**	0.64*	0.63*	1.05	1.02	0.98
Ssc.1289.1.S1_at	HMGA1	high mobility group	XM_001928400	NM_002131	0.0043273	0.0353275	0.65*	0.43**	0.44**	0.66*	0.67	1.02
Ssc.21649.1.S1_at	TMEM167A	transmembrane protein	167A	NM_174909	0.0043306	0.0353275	0.68	0.56**	0.64*	0.82	0.94	1.15
Ssc.2808.1.S1_at	NOP58	NOP58 ribonucleopr	XM_001924806	NM_015934	0.0043585	0.0353275	0.56**	0.46**	0.45**	0.81	0.81	0.99
Ssc.10204.2.S1_at	VEZT	vezatin, adherens jun	CF364380	NM_017599	0.0043648	0.0353275	1.21	0.52**	0.55*	0.43**	0.45**	1.06
Ssc.5042.1.S1_at	CCDC109A	coiled-coil domain cc	CK464938	NM_138357	0.0044288	0.0354733	0.44**	0.43**	0.4**	0.99	0.9	0.91
Ssc.20874.2.S1_at	ACTR1A	Alpha-centractin (Ce	XM_001928877	NM_005736	0.0044949	0.0357171	0.59*	0.5**	0.56*	0.86	0.95	1.11
Ssc.4626.1.S1_a	atIPO4	importin 4	BQ599084	NM_024658	0.0045096	0.0357171	0.39**	0.39**	0.37**	0.99	0.94	0.95
Ssc.16720.1.S1_a	aAP1B1	adaptor-related protei	XM_001925894	NM_001127	0.0045267	0.0357607	0.68	0.6*	0.57**	0.89	0.84	0.95
Ssc.25131.1.S1_at	NHP2	NHP2 ribonucleoprot	CF363434	NM_017838	0.0045735	0.0359366	0.59**	0.5**	0.56**	0.85	0.95	1.13
Ssc.26079.1.S1_at	UCK2	uridine-cytidine kina	BX918995	NM_012474	0.0046226	0.0361446	0.49*	0.29**	0.42**	0.59*	0.87	1.48
Ssc.3469.1.S1_at	SLAIN1	SLAIN motif family,	BE234280	NM_144595	0.0046246	0.0361446	0.64*	0.57**	0.62*	0.88	0.96	1.09
Ssc.4581.1.A1_at	MAK16	MAK16 homolog(S.	CF789386	NM_032509	0.0046725	0.0364027	0.52*	0.56*	0.53*	1.06	1.01	0.96
Ssc.12294.1.A1_at	DDX19A	DEAD (Asp-Glu-Ala	BF712631	NM_018332	0.0047002	0.03654	0.59*	0.52**	0.53*	0.88	0.9	1.02
Ssc.2985.1.S1_a	atAIMP2	aminoacyl tRNA syn	CK454751	NM_006303	0.0047069	0.0365538	0.7	0.65*	0.56**	0.93	0.79	0.86
Ssc.2156.1.S1_at	NFE2L1	nuclear factor erythrc	BF079091	NM_003204	0.0047855	0.0369432	0.4**	0.44**	0.35**	1.11	0.89	0.8
Ssc.1406.1.S1_at	POGZ	pogo transposable ele	AW325910	NM_015100	0.0048138	0.0370305	0.84	1.03	0.32**	1.22	0.38**	0.31**
Ssc.10148.1.S1_at	MTHFD1	methylenetetrahydrof	XM_001924329	NM_005956	0.0048599	0.037215	0.82	0.52**	0.65	0.63*	0.8	1.26
Ssc.19231.2.S1_at	FARSA	phenylalanyl-tRNA s	BG383566	NM_004461	0.0048631	0.037215	0.49**	0.53**	0.66*	1.08	1.34	1.25

Ssc.24402.1.S1_at	SMAD2	SMAD family memb	CN154691	NM_005901	0.0048896	0.0372632	1.76*	1.93**	1.43	1.09	0.81	0.74
Ssc.12546.1.A1_at	LONP2	lon peptidase 2 perox	CF360646	NM_031490	0.0049367	0.0374268	0.44**	0.53**	0.5**	1.21	1.14	0.94
Ssc.9345.1.S1_at	POMP	chromosome 13 open	BM083164	NM_015932	0.004944	0.0374359	0.6*	0.58*	0.6*	0.96	0.99	1.03
Ssc.3072.1.S1_at	SMAP2	small ArfGAP2	NM_001128464	NM_022733	0.0049485	0.0374359	0.68	0.43**	0.54**	0.63*	0.79	1.25
Ssc.1742.1.S1_at	UTP14C	UTP14, U3 small nuc	BF703051	NM_021645	0.0049875	0.0375941	0.64	0.69	0.35**	1.08	0.54*	0.5**
Ssc.22032.1.A1_at	LARP4	La ribonucleoprotein	CK449942	NM_052879	0.0049904	0.0375941	0.63*	0.53**	0.46**	0.84	0.74	0.88
Ssc.15104.1.S1_at	BXDC2	brix domain containi	CA513604	NM_018321	0.005007	0.0375941	0.75	0.57**	0.59*	0.76	0.78	1.03
Ssc.2925.2.S1_a_at	BTBD2	BTB (POZ) domain c	BG835427	NM_017797	0.0050075	0.0375941	0.7	0.95	1.38	1.35	1.96**	1.45
Ssc.31175.1.S1_at	AUTS2	autism susceptibility	CO993891	NM_015570	0.0050271	0.0376445	0.43**	0.53**	0.51**	1.24	1.21	0.97
Ssc.3203.2.S1_at	PCTK1	PCTAIRE protein kir	BI402225	NM_006201	0.0050736	0.0378383	0.7	0.5**	0.61*	0.72	0.86	1.2
Ssc.3798.1.A1_at	SFXN4	sideroflexin 4	XM_001927395	NM_213649	0.0051178	0.0380133	0.66	0.6*	0.52**	0.91	0.79	0.86
Ssc.19134.1.S1_at	UBE2V1	ubiquitin-conjugating	AJ680125	NM_022442	0.0051531	0.0382023	0.63	0.55*	0.52**	0.88	0.82	0.93
Ssc.8822.1.A1_at	PRKD3	protein kinase D3	BF713489	NM_005813	0.0051824	0.0382606	0.61*	0.55**	0.6*	0.89	0.98	1.1
Ssc.9061.1.A1_at	CST6	cystatin E/M	CK463154	NM_001323	0.0051937	0.0383049	0.33**	0.67	1.02	2.05*	3.1**	1.51
Ssc.19440.1.S1_at	CCDC58	coiled-coil domain cc	CK458561	NM_001017928	0.0053473	0.0392018	0.6*	0.57**	0.61*	0.94	1.01	1.07
Ssc.23926.1.S1_at	OGFOD1	2-oxoglutarate and ir	CK452876	NM_018233	0.0053641	0.0392857	0.3**	0.54*	0.43**	1.8*	1.43	0.79
Ssc.23288.1.S1_at	ELF5	E74-like factor 5	CN160523	NM_001422	0.0053839	0.0393172	0.56*	0.55*	0.53*	0.98	0.95	0.97
Ssc.13558.1.A1_at	PRRC1	proline-rich coiled-cc	BQ602693	NM_130809	0.0053844	0.0393172	0.49**	0.56**	0.53**	1.14	1.09	0.95
Ssc.13723.1.S1_at	PDSS1	prenyl and decapreny	CF792082	NM_014317	0.0054324	0.0394757	0.67*	0.49**	0.5**	0.73	0.75	1.03
Ssc.9365.5.S1_a_at	IGF2	insulin-like growth fa	NM_213883	NM_000612	0.0054332	0.0394757	0.96	0.63	0.5*	0.66	0.52*	0.8
Ssc.24732.1.S1_at	BBS5	Bardet-Biedl syndron	XM_001926348	NM_152384	0.0054516	0.0395138	0.33**	0.4**	0.49*	1.23	1.51	1.23
Ssc.31081.1.A1_at	HNRNPH1	heterogeneous nuclea	CO989439	NM_005520	0.0054546	0.0395138	0.48**	0.84	0.59**	1.75**	1.23	0.7*
Ssc.20058.1.S1_at	MED8	mediator complex sul	BX676593	NM_052877	0.0055043	0.0396778	0.47**	0.45**	0.45**	0.95	0.96	1.01
Ssc.21153.1.S1_at	ICMT	isoprenylcysteine car	CK465713	NM_012405	0.0055183	0.0397008	0.59**	0.47**	0.51**	0.8	0.87	1.09
Ssc.2415.1.S1_at	AP3S2	adaptor-related protei	XM_001927999	NM_005829	0.0055522	0.0398661	0.52*	0.52*	0.54*	1	1.04	1.04
Ssc.17629.1.A1_at	PSMD12	proteasome prosome	CD572630	NM_002816	0.005566	0.0398877	0.5**	0.52**	0.46**	1.03	0.92	0.89
Ssc.9240.1.S1_at	BRE	brain and reproductiv	BF709959	NM_004961	0.0055785	0.0399337	0.45**	0.56**	0.54**	1.25	1.2	0.96
Ssc.869.1.S1_at	EIF4A3	eukaryotic translatior	NM_001100193	NM_014740	0.0057969	0.0410519	0.65	0.55*	0.56*	0.85	0.85	1.01
Ssc.10413.1.A1_at	PLEKHH1	similar to Pleckstrin	ICN158294	NM_020715	0.0058125	0.0410519	0.59*	0.59*	0.6*	1.01	1.02	1.01
Ssc.18537.1.S1_at	C7orf20	chromosome 7 open i	CF368649	NM_015949	0.005869	0.0412522	0.47**	0.59*	0.43**	1.26	0.92	0.73
Ssc.3162.1.S1_at	PA2G4	proliferation-associat	CO940523	NM_006191	0.0058979	0.0413179	0.59*	0.51**	0.48**	0.86	0.81	0.94
Ssc.12668.1.A1_at	UNC5CL	unc-5 homolog C	XM_001924410	NM_173561	0.0059355	0.0413527	0.38*	0.3**	0.26**	0.77	0.68	0.88
Ssc.30508.1.A1_at			CO992904		0.0060043	0.0414482	0.8	0.65*	0.54**	0.81	0.67	0.83
Ssc.3259.1.S1_at	CCT8	chaperonin containin	AJ656958	NM_006585	0.0060458	0.0416169	0.47**	0.45**	0.44**	0.95	0.94	0.99
Ssc.6972.1.A1_at	HSPA13	heat shock protein 70	XM_001924920	NM_006948	0.0060934	0.0417879	0.68	0.44**	0.34**	0.65	0.51*	0.78
Ssc.29185.1.A1_at	MCM2	minichromosome ma	CO951446	NM_004526	0.006144	0.0419307	0.58*	1	1.61*	1.73*	2.79**	1.62*
Ssc.28335.1.S1_at	ISCA2	iron-sulfur cluster ass	CN157128	NM_194279	0.0061483	0.0419307	0.61*	0.51**	0.61*	0.83	0.99	1.19
Ssc.29901.1.A1_at	C20orf7	chromosome 20 open	XM_001926112	NM_024120	0.0061783	0.0420404	0.58*	0.56*	0.52**	0.97	0.9	0.92

Ssc.11995.1.A1_at	MTHFD2	methylenetetrahydrof	CB476520	NM_001004346	0.00622	0.0421823	0.61*	0.43**	0.54**	0.71	0.89	1.25	
Ssc.4138.1.S1_at	AOC2	amine oxidase, coppe	BQ599802	NM_001158	0.0062812	0.0424408	0.52*	0.5*	0.5*	0.97	0.97	1	
Ssc.8253.1.A1_at	GNL3	guanine nucleotide bi	XM_001928454	NM_014366	0.0063492	0.0426378	0.45*	0.36**	0.36**	0.79	0.8	1.01	
Ssc.6857.1.A1_at	YEATS2	YEATS domain cont	CD576712	NM_018023	0.0064353	0.0428714	0.64	0.56*	0.54*	0.87	0.85	0.98	
Ssc.17513.1.S1_at	NALCN	sodium leak channel,	CD572711	NM_052867	0.0064371	0.0428714	1	0.82	0.49**	0.81	0.48**	0.59*	
Ssc.7607.1.A1_at	NARS	asparaginyl-tRNA sy	BF712743	NM_024678	0.0064561	0.0428714	0.48**	0.43**	0.43**	0.88	0.88	1	
Ssc.1140.2.A1_at	YEATS4	YEATS domain cont	BQ599982	NM_006530	0.0064746	0.0429164	0.61*	0.43**	0.48**	0.71	0.78	1.1	
Ssc.28523.1.S1_at	ZNF496	Zinc fingerprotein49	6	CN166448	NM_032752	0.0064999	0.0430456	0.62*	0.97	1.2	1.56	1.92**	1.23
Ssc.10175.1.S1_at	TAF1	TAF1 RNA polymer	z	CN162944	NM_004606	0.0065331	0.0431729	0.77	0.68	0.5**	0.88	0.65	0.74
Ssc.13476.1.A1_at	PEG10	paternally expressed		NM_001109944	BE858180	0.0065799	0.0431816	0.52	0.29**	0.27**	0.55	0.51*	0.93
Ssc.15103.2.S1_at	IFRD2	interferon-related dev	XM_001925104	NM_006764	0.0066253	0.0432895	0.54*	0.54*	0.57*	0.99	1.04	1.05	
Ssc.19512.1.S1_at	SLC39A7	solute carrier family 7		NM_001131045	NM_006979	0.0066899	0.0435175	0.57*	0.58*	0.52*	1.02	0.92	0.9
Ssc.3178.1.S1_at	CCT5	chaperonin containin		BF710833	NM_012073	0.006774	0.0437925	0.62	0.56*	0.51**	0.91	0.83	0.92
Ssc.6618.1.A1_at	ENDOD1	endonuclease domain	BI403391	AL573201	0.0068056	0.0438805	0.69*	0.5**	0.49**	0.73	0.72	0.99	
Ssc.902.1.S1_a_at	CCT3	chaperonin containin		XM_001926377	NM_001008800	0.0068657	0.0440819	0.61*	0.53**	0.49**	0.87	0.8	0.92
Ssc.29369.1.A1_at	ANP32E	acidic leucine-rich nu	XM_001925042	NM_030920	0.0069518	0.0443931	0.6*	0.45**	0.59*	0.75	0.98	1.3	
Ssc.4145.1.S1_at	IL13RA1	Interleukin-13 recept	CF795078	NM_001560	0.0069538	0.0443931	0.52*	0.59*	0.54*	1.13	1.03	0.92	
Ssc.23154.1.S1_at	MKI67IP	MKI67 (FHA domain		NM_001101827	NM_032390	0.0069816	0.0444442	0.56**	0.52**	0.47**	0.92	0.83	0.9
Ssc.8133.1.A1_at	Homer2	homer homolog 2 (D)		BF712799	NM_004839	0.0070442	0.0446341	0.13**	0.14**	0.2*	1.11	1.59	1.43
Ssc.14221.1.S1_at	NUDT21	nudix-type motif 21	CK461089	NM_007006	0.0070884	0.0447349	0.48**	0.44**	0.53**	0.91	1.1	1.22	
Ssc.6202.1.S1_at	SLC22A23	solute carrier family 2		CN161025	NM_021945	0.0071336	0.0449145	0.54**	0.47**	0.59*	0.86	1.08	1.26
Ssc.9813.2.S1_at	PRRX1	paired related homeo	BI345541	NM_006902	0.0071552	0.0449492	0.54**	0.48**	0.55**	0.89	1.02	1.15	
Ssc.13105.1.A1_at			BQ604288			0.0072294	0.0452258	0.88	0.93	0.51*	1.06	0.58*	0.55*
Ssc.21096.1.S1_at	NCRNA00164	non-protein coding R	CF789605	AL041783	0.007381	0.0457323	0.54*	0.43**	0.42**	0.79	0.77	0.97	
Ssc.5994.1.S1_at	DNAJC11	DnaJ homolog subfar	CK452518	NM_018198	0.0074687	0.0457916	0.47**	0.48**	0.53**	1.02	1.14	1.11	
Ssc.20294.1.S1_at	IRF1	interferon regulatory	BX675634	NM_002198	0.0075101	0.0458017	2.12**	2.48**	1.3	1.17	0.61*	0.52*	
Ssc.4607.2.S1_at	RNF31	ring finger protein 31	XM_001928235	NM_017999	0.0076231	0.0458017	0.54**	0.63*	0.47**	1.17	0.87	0.74	
Ssc.29909.1.A1_at			CO939484			0.0076501	0.0458017	0.83	1.55*	0.62*	1.87*	0.75	0.4**
Ssc.24175.1.A1_at	PSEN2	presenilin 2		NM_001078666	NM_012486	0.007656	0.0458017	0.41**	0.39**	0.41**	0.97	1.01	1.05
Ssc.308.1.S1_at	HSP90B1	heat shock protein 90	NM_214103	NM_003299	0.007659	0.0458017	0.59*	0.53**	0.46**	0.91	0.79	0.87	
Ssc.24994.1.S1_at	RSL1D1	ribosomal L1 domain	AW435919	NM_015659	0.0077785	0.0460248	0.47**	0.48**	0.41**	1.03	0.88	0.86	
Ssc.23233.1.S1_a_a	SLC25A33	solute carrier family 2		CN163548	NM_032315	0.0081129	0.0471386	0.52*	0.36**	0.3**	0.68	0.58	0.85
Ssc.10772.1.A1_at	AMMECR1	Alport syndrome mer	CN162918	NM_031445	0.0082372	0.0473669	0.62*	0.47**	0.54**	0.75	0.87	1.16	
Ssc.9365.3.S1_a_at	IGF2	insulin-like growth fa		NM_213883	NM_000612	0.0084282	0.0478977	1.02	0.67	0.51*	0.66	0.5*	0.77
Ssc.18022.2.S1_at	SLC33A1	solute carrier family 3		CF794267	NM_004733	0.0084526	0.047962	0.43**	0.39**	0.36**	0.92	0.85	0.92
Ssc.2969.1.S1_at	PYCR1	pyrroline-5-carboxyl	BX924923	NM_006907	0.0086592	0.0486074	0.52*	0.41**	0.43**	0.8	0.83	1.04	
Ssc.5000.2.S1_at	ERBB2	v-erb-b2 erythroblast	CF791415	NM_004448	0.0090112	0.0498295	0.46**	0.75	1.03	1.62*	2.23**	1.38	

Ssc.9348.1.S1_at	PPARA	chromosome 22 open BF713592	NM_005036	0.0090129	0.0498295	0.88	0.75	0.47**	0.85	0.53**	0.62*
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Multicomparison was carried out with Bonferroni method. *, $p < 0.05$; **, $p < 0.01$; ***, $P < 0.001$.