

Cluster A		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
Fkbp10	FK506_binding_protein_10	NM_010221	1415951_at	0.0108	0.544	0.123
Hif1a	hypoxia_inducible_factor_1_alpha_subunit	BB269715	1416035_at	0.0245	0.147	0.179
Adam9	a_disintegrin_and_metalloproteinase_domain_9_(meltrin_gamma)	NM_007404	1416094_at	0.0279	0.2	0.317
Fbln5	fibulin_5	NM_011812	1416164_at	0.00589	0.656	0.0499
Ebf1	early_B-cell_factor_1	BB125261	1416301_a_at	0.00417	0.085	0.379
Ugdh	UDP-glucose_dehydrogenase	NM_009466	1416308_at	0.0358	0.0211	0.354
Prelp	proline_arginine-rich_end_leucine-rich_repeat	NM_054077	1416321_s_at	0.00828	0.285	0.247
Atp2a2	ATPase_Ca++_transporting_cardiac_muscle_slow_twitch_2	NM_009722	1416551_at	0.0342	0.26	0.171
Plod2	procollagen_lysine_2-oxoglutarate_5-dioxygenase_2	BC021352	1416687_at	0.031	0.419	0.166
Uap1	UDP-N-acetylglucosamine_pyrophosphorylase_1	NM_133806	1416743_at	0.0318	0.187	0.172
Sdpr	serum_deprivation_response	BE197945	1416779_at	0.0181	0.0769	0.153
Fkbp7	FK506_binding_protein_7	NM_010222	1416803_at	8.08E-05	0.0798	0.0333
C1qb	complement_component_1_q_subcomponent_beta_polypeptide	NM_009777	1417063_at	0.0292	0.39	0.306
Cmkor1	chemokine_orphan_receptor_1	BC015254	1417625_s_at	0.00394	0.086	0.321
Car4	carbonic_anhydrase_4	NM_007607	1418094_s_at	0.000428	0.0782	0.0138
Tncc	troponin_C_cardiac/slow_skeletal	NM_009393	1418370_at	0.00351	0.757	0.0572
Ptx3	pentaxin_related_gene	NM_008987	1418666_at	0.00454	0.0486	0.0386
Cd163	CD163_antigen	NM_053094	1419144_at	0.000032	0.0325	0.028
Serpine1	serine_(or_cysteine)_proteinase_inhibitor_clade_E_member_1	NM_008871	1419149_at	0.00759	0.59	0.0264
Tnnt1	troponin_T1_skeletal_slow	NM_011618	1419606_a_at	0.0131	0.993	0.0576
Cxcl5	chemokine_(C-X-C_motif)_ligand_5	NM_009141	1419728_at	0.00172	0.195	0.0369
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4930422J18Rik	RIKEN_cDNA_4930422J18_gene	AI596360	1420150_at	0.0164	0.663	0.0404
Selp	selectin_platelet	M72332	1420558_at	0.0101	0.932	0.0286
Cyp7b1	cytochrome_P450_family_7_subfamily_b_polypeptide_1	NM_007825	1421075_s_at	0.0376	0.712	0.145
Ccr2	chemokine_(C-C)_receptor_2	BB148128	1421186_at	0.00244	0.0286	0.134
Sh3bgrl	SH3-binding_domain_glutamic_acid-rich_protein_like	NM_019989	1421871_at	0.027	0.438	0.24
Il1rl1	interleukin_1_receptor-like_1	NM_010743	1422317_a_at	0.017	0.31	0.0778
Rrad	Ras-related_associated_with_diabetes	NM_019662	1422562_at	0.00217	0.112	0.0207
4930517K11Rik	RIKEN_cDNA_4930517K11_gene	AK005645	1423327_at	6.84E-05	0.00998	0.0885
Bicc1	bicaudal_C_homolog_1_(Drosophila)	BM217996	1423484_at	0.000113	0.158	0.0212
1200002N14Rik	RIKEN_cDNA_1200002N14_gene	BC021433	1424524_at	0.00454	0.399	0.0717
Fbn1	fibrillin_1	AF007248	1425896_a_at	0.00171	0.314	0.0236
Pros1	protein_S_(alpha)	Z25469	1426246_at	0.00582	0.346	0.0868
Tgfbr2	transforming_growth_factor_beta_receptor_II	BG793483	1426397_at	0.00115	0.252	0.0586
Ets1	E26_avian_leukemia_oncogene_1_5'_domain	BB151715	1426725_s_at	0.00109	0.0408	0.0753
2310020L09Rik	RIKEN_cDNA_2310020L09_gene	AK009425	1426972_at	0.00223	0.413	0.023
Slc39a14	solute_carrier_family_39_(zinc_transporter)_member_14	BB399837	1427035_at	0.0232	0.314	0.21
D930038M13Rik	RIKEN_cDNA_D930038M13_gene	BC026627	1427054_s_at	0.0239	0.113	0.574

Col14a1	procollagen_type_XIV_alpha_1	AJ131395	1427168_a_at	0.0036	0.271	0.0569
Myl3	myosin_light_polypeptide_3_alkali_ventricular_skeletal_slow	X67685	1427768_s_at	0.0407	0.42	0.209
Hoxd8	homeo_box_D8	AA265122	1431099_at	0.0101	0.908	0.0227
Plekhc1	pleckstrin_homology_domain_containing_family_C_(with_FERM_domain)_member_1	BG070082	1434181_at	0.0308	0.905	0.0665
BC003494	cDNA_sequence_BC003494	BB699319	1435056_x_at	0.00728	0.0474	0.304
---	Mus_musculus_adult_female_vagina_cDNA_RIKEN_full-length_enriched_library_clone:9930106P14	BG071867	1435327_at	0.0496	0.188	0.26
Ndn	necdin	AW743020	1435383_x_at	0.00328	0.162	0.0817
Arhc	ras_homolog_gene_family_member_C	AI503490	1435394_s_at	0.00905	0.231	0.128
Fcgr2b	Fc_receptor_IgG_low_affinity_IIb	BM224327	1435477_s_at	0.0247	0.23	0.249
C1qb	complement_component_1_q_subcomponent_beta_polypeptide	BB111335	1437726_x_at	2.06E-05	0.0173	0.00428
Myadm	myeloid-associated_differentiation_marker	BB500055	1439389_s_at	0.00474	0.146	0.0781
Gus	beta-glucuronidase	NM_010368	1448124_at	0.0199	0.574	0.166
Lox	lysyl_oxidase	M65143	1448228_at	0.00067	0.128	0.0539
Cklfsf3	chemokine-like_factor_super_family_3	NM_024217	1448316_at	0.002	0.541	0.0517
Myl2	myosin_light_polypeptide_2_regulatory_cardiac_slow	NM_010861	1448394_at	0.0202	0.25	0.109
2810002E22Rik	RIKEN_cDNA_2810002E22_gene	NM_133859	1448475_at	0.000839	0.208	0.0044
Lbp	lipopolysaccharide_binding_protein	NM_008489	1448550_at	0.0149	0.186	0.0544
Myh6	myosin_heavy_polypeptide_6_cardiac_muscle_alpha	NM_080728	1448553_at	0.0377	0.428	0.187
Ctss	cathepsin_S	NM_021281	1448591_at	0.0446	0.936	0.113
Elk3	ELK3_member_of_ETS_oncogene_family	BC005686	1448797_at	0.0026	0.143	0.0633
Ptgis	prostaglandin_I2_(prostacyclin)_synthase	NM_008968	1448816_at	0.00806	0.387	0.149
1110055L24Rik	RIKEN_cDNA_1110055L24_gene	NM_025422	1448919_at	0.00376	0.0378	0.0551
F13a	coagulation_factor_XIII_alpha_subunit	NM_028784	1448929_at	0.0116	0.655	0.0378
Car4	carbonic_anhydrase_4	NM_007607	1448949_at	0.00119	0.0516	0.0245
Socs2	suppressor_of_cytokine_signaling_2	NM_007706	1449109_at	0.0406	0.873	0.0545
Prg4	proteoglycan_4_(megakaryocyte_stimulating_factor_articular_superficial_zone_protein)	NM_021400	1449824_at	0.000436	0.624	0.0131
Prkg1	protein_kinase_cGMP-dependent_type_I	NM_011160	1449876_at	0.0366	0.0533	0.0589
Tpm3	tropomyosin_3_gamma	NM_022314	1449996_a_at	0.0204	0.435	0.191
Tpm3	tropomyosin_3_gamma	NM_022314	1449997_at	0.0163	0.393	0.0492
Mrc1	mannose_receptor_C_type_1	NM_008625	1450430_at	0.00152	0.0754	0.186
Bcat1	branched_chain_aminotransferase_1_cytosolic	X17502	1450871_a_at	0.00311	0.606	0.013
Cugbp2	CUG_triplet_repeat_RNA_binding_protein_2	BB644164	1451154_a_at	0.0343	0.381	0.27
Ets1	E26_avian_leukemia_oncogene_1_5_prime_domain	BB151715	1452163_at	0.00723	0.296	0.148
2310045A20Rik	RIKEN_cDNA_2310045A20_gene	BC026655	1452227_at	0.0112	0.238	0.0141
Ifi205	interferon_activated_gene_205	M74124	1452231_x_at	0.0409	0.47	0.0728
Tpbpb	trophoblast_specific_protein_beta	BG064656	1452352_at	0.000176	0.0749	0.0214
Atp2a2	ATPase_Ca++_transporting_cardiac_muscle_slow_twitch_2	AA245637	1452363_a_at	0.0101	0.271	0.2
Npn1	neoplastic_progression_1	BB542096	1452382_at	0.00406	0.026	0.144
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Ap1s2	adaptor-related_protein_complex_1_sigma_2_subunit	AK005223	1452657_at	0.0272	0.944	0.116
Tgfb1i4	transforming_growth_factor_beta_1_induced_transcript_4	AU016382	1454758_a_at	0.00178	0.495	0.0611

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Lgals1	lectin,_galactose_binding,_soluble_1	AI642438	1455439_a_at	3.24E-06	0.065	0.0022
Il2rg	interleukin_2_receptor,_gamma_chain	L20048	1416295_a_at	0.0784	0.518	0.219
Plod2	procollagen_lysinase,_2-oxoglutarate_5-dioxygenase_2	BC021352	1416686_at	0.0674	0.863	0.0324
Qk	quaking	NM_021881	1417073_a_at	0.0671	0.363	0.309
Mef2a	myocyte_enhancer_factor_2A	NM_013597	1421252_a_at	0.252	0.0597	0.207
Lypla3	lysophospholipase_3	BC019373	1423704_at	0.0959	0.448	0.0884
Lmcd1	LIM_and_cysteine-rich_domains_1	BC019124	1424596_s_at	0.0745	0.308	0.0895
2700053F16Rik	RIKEN_cDNA_2700053F16_gene	BC009151	1424650_at	0.0766	0.635	0.0851
Tgfb1i4	transforming_growth_factor_beta_1_induced_transcript_4	AF201285	1425742_a_at	0.0776	0.863	0.186
Ugp2	UDP-glucose_pyrophosphorylase_2	AI788759	1426460_a_at	0.0503	0.814	0.0748
4833417L20Rik	RIKEN_cDNA_4833417L20_gene	AK017914	1427279_at	0.0959	0.468	0.18
Myl3	myosin,_light_polypeptide_3,_alkali;_ventricular,_skeletal,_slow	AK002312	1428266_at	0.0785	0.884	0.114
Surf4	surfeit_gene_4	BB095883	1434589_x_at	0.0907	0.933	0.191
Chpt1	choline_phosphotransferase_1	BF180212	1435446_a_at	0.0733	0.351	0.346
Sycp3	synaptonemal_complex_protein_3	BM899344	1435870_at	0.0869	0.996	0.122
Cd1d1	CD1d1_antigen	NM_007639	1449130_at	0.0581	0.984	0.145
Il6	interleukin_6	NM_031168	1450297_at	0.0875	0.263	0.109
Synpo2	synaptopodin_2	NM_080451	1450828_at	0.0858	0.834	0.0543
Lip1	lysosomal_acid_lipase_1	AI596237	1450872_s_at	0.0923	0.703	0.234
3300001H21Rik	RIKEN_cDNA_3300001H21_gene	AV171622	1454858_x_at	0.0702	0.364	0.355

Cluster B		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
Anxa6	annexin_A6	NM_013472	1415818_at	0.0903	0.59	0.371
Nope	neighbor_of_Punc_E11	NM_020043	1416474_at	0.0571	0.298	0.122
Fhl1	four_and_a_half_LIM_domains_1	U41739	1417872_at	0.0807	0.38	0.215
Col8a1	procollagen,_type_VIII,_alpha_1	NM_007739	1418440_at	0.0709	0.43	0.154
Clu	clusterin	NM_013492	1418626_a_at	0.0537	0.62	0.413
Shank3	SH3/ankyrin_domain_gene_3	NM_021423	1419137_at	0.0532	0.76	0.129
Ms4a11	membrane-spanning_4-domains,_subfamily_A,_member_11	NM_026835	1419599_s_at	0.0855	0.814	0.365
Dab2	disabled_homolog_2_(Drosophila)	NM_023118	1420498_a_at	0.0638	0.866	0.361
Glul	glutamate-ammonia_ligase_(glutamine_synthase)	AI391218	1426235_a_at	0.0659	0.39	0.204
Mpeg1	macrophage_expressed_gene_1	L20315	1427076_at	0.0756	0.38	0.142
Myl3	myosin,_light_polypeptide_3,_alkali;_ventricular,_skeletal,_slow	X67685	1427769_x_at	0.0608	0.596	0.275
Bteb1	basic_transcription_element_binding_protein_1	AW488885	1428288_at	0.143	0.0672	0.25
Ugp2	UDP-glucose_pyrophosphorylase_2	AW146314	1434486_x_at	0.0851	0.795	0.391
Ptp4a2	protein_tyrosine_phosphatase_4a2	AW495875	1435129_at	0.0616	0.339	0.684
Thbd	thrombomodulin	NM_009378	1448529_at	0.0743	0.546	0.478
Podxl	podocalyxin-like	AF290209	1448688_at	0.0997	0.45	0.198
Cdo1	cysteine_dioxygenase_1,_cytosolic	NM_033037	1448842_at	0.058	0.887	0.286

Icam2	intercellular_adhesion_molecule_2	NM_010494	1448862_at	0.0988	0.825	0.261
Hexa	hexosaminidase_A	U07631	1449024_a_at	0.0994	0.82	0.379
Retn	resistin	NM_022984	1449182_at	0.0545	0.97	0.447
Facl2	fatty_acid_Coenzyme_A_ligase,_long_chain_2	BI413218	1450643_s_at	0.0964	0.815	0.411
Cd36	CD36_antigen	BB534670	1450884_at	0.091	0.392	0.577
Mb	myoglobin	BC025172	1451203_at	0.0794	0.897	0.258
5730439E10Rik	RIKEN_cDNA_5730439E10_gene	BQ031255	1454647_at	0.0909	0.455	0.501
Clu	clusterin	BB433678	1454849_x_at	0.063	0.609	0.433
Lpl	lipoprotein_lipase	BC003305	1415904_at	0.0297	0.676	0.28
Sparcl1	SPARC-like_1_(mast9_hevin)	NM_010097	1416114_at	0.00245	0.748	0.0551
Lox	lysyl_oxidase	M65143	1416121_at	0.000665	0.392	0.0666
Mmp2	matrix_metalloproteinase_2	NM_008610	1416136_at	0.0124	0.474	0.352
Col5a1	procollagen,_type_V,_alpha_1	AW744319	1416741_at	0.0131	0.982	0.209
Hsd3b7	hydroxy-delta-5-steroid_dehydrogenase,_3_beta-_and_steroid_delta-isomerase_7	NM_133943	1416968_a_at	0.00909	0.603	0.246
C1r	complement_component_1,_r_subcomponent	NM_023143	1417009_at	0.0296	0.439	0.298
Man1a	mannosidase_1,_alpha	BB070019	1417110_at	0.00159	0.285	0.162
Man1a	mannosidase_1,_alpha	BB070019	1417111_at	0.0167	0.61	0.255
Fmo1	flavin_containing_monooxygenase_1	BC011229	1417429_at	0.0278	0.676	0.266
Rgs5	regulator_of_G-protein_signaling_5	NM_133736	1417466_at	0.009	0.259	0.461
Sod3	superoxide_dismutase_3,_extracellular	NM_011435	1417633_at	0.0301	0.585	0.234
Ccl9	chemokine_(C-C_motif)_ligand_9	AF128196	1417936_at	0.0182	0.69	0.147
Eltf1	EGF,_latrophilin_seven_transmembrane_domain_containing_1	BC017134	1418059_at	0.0185	0.615	0.24
Gpr124	G_protein-coupled_receptor_124	NM_054044	1418379_s_at	0.00441	0.148	0.47
Mfap5	microfibrillar_associated_protein_5	NM_015776	1418454_at	0.00002	0.0433	0.0853
Osmr	oncostatin_M_receptor	AB015978	1418674_at	0.0481	0.233	0.586
Myoz2	myozenin_2	NM_021503	1418769_at	0.0351	0.83	0.262
Serpina3n	serine_(or_cysteine)_proteinase_inhibitor,_clade_A,_member_3N	NM_009252	1419100_at	0.0218	0.946	0.205
C3ar1	complement_component_3a_receptor_1	NM_009779	1419483_at	0.0422	0.984	0.265
Ankrd2	ankyrin_repeat_domain_2_(stretch_responsive_muscle)	NM_020033	1419621_at	0.00272	0.288	0.0499
Ogn	osteoglycin	BB542051	1419663_at	0.00578	0.205	0.299
Mup1	major_urinary_protein_1	NM_031188	1420465_s_at	0.0838	0.0302	0.0396
Hspb7	heat_shock_protein_family,_member_7_(cardiovascular)	BG968304	1421290_at	0.00587	0.45	0.0413
Pdgfra	platelet_derived_growth_factor_receptor,_alpha_polypeptide	AW537708	1421917_at	0.000383	0.298	0.0595
Thbs2	thrombospondin_2	NM_011581	1422571_at	0.00759	0.733	0.153
---	Mus_musculus_transcribed_sequence_with_moderate_similarity_to_protein_sp:Q9UBF2_(H.sapiens)	AW555393	1423294_at	0.00372	0.946	0.167
Fbln2	fibulin_2	BF228318	1423407_a_at	0.0096	0.786	0.278
Lyzs	lysozyme	AW208566	1423547_at	0.0279	0.427	0.124
Dab2	disabled_homolog_2_(Drosophila)	BC006588	1423805_at	0.00419	0.861	0.0458
A430103C15Rik	RIKEN_cDNA_A430103C15_gene	BC024402	1424754_at	0.00806	0.684	0.181
Myh2	myosin,_heavy_polypeptide_2,_skeletal_muscle,_adult	BC008538	1425153_at	0.0222	0.927	0.288
Gilz	glucocorticoid-induced_leucine_zipper	AF201289	1425281_a_at	0.0227	0.0219	0.0311

Anxa5	annexin_A5	D63423	1425567_a_at	0.0182	0.175	0.422
0610012K22Rik	RIKEN_cDNA_0610012K22_gene	AB034693	1425582_a_at	0.00093	0.958	0.102
Gpm6b	glycoprotein_m6b	AF254879	1425942_a_at	0.0271	0.35	0.0416
Mup3	major_urinary_protein_3	M27608	1426154_s_at	0.0167	0.134	0.0359
Nov	nephroblastoma_overexpressed_gene	X96585	1426851_a_at	0.0297	0.547	0.252
Nov	nephroblastoma_overexpressed_gene	X96585	1426852_x_at	0.00298	0.322	0.246
Adamts15	a_disintegrin-like_and_metalloprotease_(reprolysin_type)_with_thrombospondin_type_1_motif_15	AV228731	1427056_at	0.0175	0.672	0.24
2310046G15Rik	RIKEN_cDNA_2310046G15_gene	AK009847	1431057_a_at	0.0116	0.481	0.411
C1qb	complement_component_1,_q_subcomponent,_beta_polypeptide	AW227993	1434366_x_at	0.000147	0.787	0.0506
---	Mus_musculus_11_days_pregnant_adult_female_ovary_and_uterus_cDNA,_RIKEN_full-length_enriched	AV287497	1434472_at	0.0242	0.55	0.085
Col5a1	procollagen,_type_V,_alpha_1	AV246911	1434479_at	0.00425	0.644	0.202
Ndn	necdin	AW743020	1435382_at	0.0074	0.484	0.212
Laptm5	lysosomal-associated_protein_transmembrane_5	BB218107	1436905_x_at	0.0226	0.55	0.292
---	---	AV066625	1436996_x_at	0.00822	0.655	0.153
Vim	vimentin	AV147875	1438118_x_at	0.00536	0.511	0.266
---	Mus_musculus_transcribed_sequence_with_strong_similarity_to_protein_ref:NP_004521.1_(H.sapiens)	BF147716	1439364_a_at	0.00463	0.218	0.24
H19	H19_fetal_liver_mRNA	NM_023123	1448194_a_at	0.0455	0.287	0.106
Sfrp2	secreted_frizzled-related_sequence_protein_2	NM_009144	1448201_at	0.00116	0.269	0.195
9030425E11Rik	RIKEN_cDNA_9030425E11_gene	BG072972	1448250_at	0.00232	0.221	0.044
Tm4sf7	transmembrane_4_superfamily_member_7	NM_053082	1448276_at	0.00708	0.779	0.116
Tpbpb	trophoblast_specific_protein_beta	NM_007796	1448471_a_at	6.55E-05	0.058	0.135
Myh6	myosin,_heavy_polypeptide_6,_cardiac_muscle,_alpha	NM_080728	1448554_s_at	0.0427	0.724	0.277
Ccl9	chemokine_(C-C_motif)_ligand_9	AF128196	1448898_at	0.0429	0.831	0.35
Cpxm1	carboxypeptidase_X_1_(M14_family)	NM_019696	1448901_at	0.0184	0.66	0.282
Gng11	guanine_nucleotide_binding_protein_(G_protein),_gamma_11	NM_025331	1448942_at	0.00146	0.483	0.163
Cxcl4	chemokine_(C-X-C_motif)_ligand_4	NM_019932	1448995_at	0.0366	0.764	0.343
Aoc3	amine_oxidase,_copper_containing_3	NM_009675	1449396_at	0.0124	0.353	0.294
C1qg	complement_component_1,_q_subcomponent,_gamma_polypeptide	NM_007574	1449401_at	0.0472	0.728	0.25
Vim	vimentin	M24849	1450641_at	0.0179	0.885	0.251
Tnni1	troponin_I,_skeletal,_slow_1	NM_021467	1450813_a_at	0.00787	0.495	0.196
Saa3	serum_amyloid_A_3	NM_011315	1450826_a_at	0.000213	0.136	0.146
Cd36	CD36_antigen	BB534670	1450883_a_at	0.00758	0.625	0.163
Fabp4	fatty_acid_binding_protein_4,_adipocyte	BC002148	1451263_a_at	0.00249	0.143	0.395
Ifnar2	interferon_(alpha_and_beta)_receptor_2	AF013486	1451462_a_at	0.0151	0.71	0.198
Ghr	growth_hormone_receptor	BC024375	1451501_a_at	0.0264	0.735	0.367
Loxl1	lysyl_oxidase-like_1	AF357006	1451978_at	0.000121	0.124	0.0705
Col4a1	procollagen,_type_IV,_alpha_1	BF158638	1452035_at	0.00839	0.437	0.317
H6pd	hexose-6-phosphate_dehydrogenase_(glucose_1-dehydrogenase)	BC027358	1452145_at	0.0367	0.894	0.225
Ifi205	interferon_activated_gene_205	AI481797	1452349_x_at	0.0462	0.926	0.246
Itgb1	integrin_beta_1_(fibronectin_receptor_beta)	U37029	1452545_a_at	0.0125	0.955	0.169
Adamts4	a_disintegrin-like_and_metalloprotease_(reprolysin_type)_with_thrombospondin_type_1_motif_4	BB443585	1452595_at	0.000489	0.846	0.0529

Cp	ceruloplasmin	BB009037	1455393_at	0.0134	0.792	0.161
Timp1	tissue_inhibitor_of_metalloproteinase_1	BC008107	1460227_at	0.000639	0.383	0.101
Csrp3	cysteine_and_glycine-rich_protein_3	NM_013808	1460318_at	0.0365	0.654	0.232

Cluster C		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
Serpinb7	serine_(or_cysteine)_proteinase_inhibitor_clade_B_member_7	NM_027548	1449500_at	0.0304	0.0173	0.0319
Cnbp	cellular_nucleic_acid_binding_protein	NM_013493	1416244_a_at	0.0444	0.285	0.224
Fscn1	fascin_homolog_1_actin_bundling_protein_(Strongylocentrotus_purpuratus)	NM_007984	1416514_a_at	0.0403	0.411	0.83
2700055K07Rik	RIKEN_cDNA_2700055K07_gene	NM_026481	1416713_at	0.0196	0.322	0.204
Tuba1	tubulin_alpha_1	NM_011653	1418884_x_at	0.0277	0.079	0.437
Canx	calnexin	BI653492	1422845_at	0.0364	0.199	0.675
Vapb	vesicle-associated_membrane_protein_associated_protein_B_and_C	BF303544	1423152_at	0.0397	0.58	0.703
Lamb1-1	laminin_B1_subunit_1	BG970109	1424114_s_at	0.00338	0.0193	0.313
1500040L08Rik	RIKEN_cDNA_1500040L08_gene	AY043488	1424394_at	0.00657	0.0874	0.332
Itgb1	integrin_beta_1_(fibronectin_receptor_beta)	BM120341	1426918_at	0.0418	0.889	0.877
0610037M15Rik	RIKEN_cDNA_0610037M15_gene	BG916808	1431008_at	0.0014	0.679	0.597
Ppib	peptidylprolyl_isomerase_B	AV051525	1437649_x_at	0.0244	0.174	0.15
Cav	caveolin_caveolae_protein	AB029929	1449145_a_at	0.0102	0.511	0.758
Antxr1	anthrax_toxin_receptor_1	AF378762	1451446_at	0.0287	0.962	0.879
Tde1	tumor_differentially_expressed_1	BE691746	1455550_x_at	0.00113	0.504	0.311
Itn1	integral_membrane_protein_1	BB724781	1455824_x_at	0.0299	0.292	0.425
Tm9sf2	transmembrane_9_superfamily_member_2	BB131843	1455875_x_at	0.0246	0.196	0.406
Serpinb1a	serine_(or_cysteine)_proteinase_inhibitor_clade_B_member_1a	AF426024	1416318_at	0.0873	0.685	0.61
Plvap	plasmalemma_vesicle_associated_protein	NM_032398	1418090_at	0.0633	0.539	0.715
C730049F20Rik	RIKEN_cDNA_C730049F20_gene	BC005569	1422603_at	0.07	0.326	0.735
Grp58	glucose_regulated_protein	BF319868	1423423_at	0.0547	0.147	0.404
Mmd	monocyte_to_macrophage_differentiation-associated	BC021914	1423489_at	0.0677	0.474	0.695
Cald1	caldesmon_1	BI248947	1424769_s_at	0.0606	0.14	0.667
Trabid	TRAF-binding_protein	BG072903	1434705_at	0.136	0.0869	0.987
Cnn3	calponin_3_acidic	AV172168	1436759_x_at	0.0901	0.175	0.613
Obrgrp	leptin_receptor_gene-related_protein	AV156961	1436900_x_at	0.0823	0.324	0.381
2310046G15Rik	RIKEN_cDNA_2310046G15_gene	BB378796	1437671_x_at	0.0727	0.454	0.906
BC003494	cDNA_sequence_BC003494	BB027731	1437845_x_at	0.0639	0.175	0.792
Rex3	reduced_expression_3	NM_009052	1448595_a_at	0.0933	0.781	0.674
Itn1	integral_membrane_protein_1	AA756810	1450841_at	0.0597	0.195	0.741
Orm1	orosomuroid_1	BE628912	1451054_at	0.0731	0.813	0.894
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Tpt1h	tRNA_splicing_2'_phosphotransferase_1_homolog_(S_cerevisiae)	BB113173	1456014_s_at	0.0906	0.419	0.789
Fkbp1a	FK506_binding_protein_1a	AV038603	1456196_x_at	0.0728	0.247	0.879
3230401N03Rik	RIKEN_cDNA_3230401N03_gene	BB392869	1456739_x_at	0.0612	0.411	0.96

Scd2	stearoyl-Coenzyme_A_desaturase_2	BG060909	1415824_at	0.00791	0.43	0.92
Tde2	tumor_differentially_expressed_2	AK005203	1415838_at	0.0325	0.322	0.841
Calu	calumenin	NM_007594	1415870_at	0.00696	0.211	0.869
Cd34	CD34_antigen	NM_133654	1416072_at	0.00383	0.317	0.937
Serpinf1	serine_(or_cysteine)_proteinase_inhibitor_clade_F_member_1	NM_011340	1416168_at	0.00499	0.29	0.92
Crip1	cysteine-rich_protein_1_(intestinal)	NM_007763	1416326_at	0.026	0.646	0.639
Mif	macrophage_migration_inhibitory_factor	NM_010798	1416335_at	5.07E-06	0.435	0.825
Bgn	biglycan	BC019502	1416405_at	0.0421	0.434	0.912
Sparc	secreted_acidic_cysteine_rich_glycoprotein	NM_009242	1416589_at	0.0018	0.665	0.923
Serping1	serine_(or_cysteine)_proteinase_inhibitor_clade_G_member_1	NM_009776	1416625_at	0.024	0.388	0.78
5730536A07Rik	RIKEN_cDNA_5730536A07_gene	NM_026635	1416633_a_at	0.0435	0.445	0.772
Sdpr	serum_deprivation_response	BE197945	1416778_at	0.0343	0.894	0.55
Nid1	nidogen_1	X14480	1416808_at	0.00088	0.509	0.454
Efemp2	epidermal_growth_factor-containing_fibulin-like_extracellular_matrix_protein_2	NM_021474	1417018_at	0.0331	0.576	0.639
Fabp4	fatty_acid_binding_protein_4_adipocyte	NM_024406	1417023_a_at	0.0214	0.282	0.809
Ly6a	lymphocyte_antigen_6_complex_locus_A	BC002070	1417185_at	0.0159	0.464	0.728
Tmsb10	thymosin_beta_10	NM_025284	1417219_s_at	0.0132	0.364	0.774
Snx5	sorting_nexin_5	NM_024225	1417648_s_at	5.84E-05	0.266	0.682
Tde1	tumor_differentially_expressed_1	NM_012032	1417815_a_at	0.00314	0.456	0.949
3110050F08Rik	RIKEN_cDNA_3110050F08_gene	NM_024198	1417836_at	0.000658	0.705	0.375
Pltp	phospholipid_transfer_protein	NM_011125	1417963_at	0.0125	0.896	0.609
Dpt	dermatopontin	NM_019759	1418511_at	0.00181	0.173	0.751
Mmp3	matrix_metalloproteinase_3	NM_010809	1418945_at	0.0122	0.0625	0.897
D430029O09Rik	RIKEN_cDNA_D430029O09_gene	NM_022814	1419182_at	0.0126	0.933	0.465
Col1a2	procollagen_type_I_alpha_2	BF227507	1423110_at	0.00548	0.45	0.804
Thy1	thymus_cell_antigen_1_theta	AV028402	1423135_at	0.026	0.882	0.57
Col1a1	procollagen_type_I_alpha_1	U08020	1423669_at	0.0195	0.652	0.62
Col4a2	procollagen_type_IV_alpha_2	BC013560	1424051_at	0.0094	0.455	0.761
2610001E17Rik	RIKEN_cDNA_2610001E17_gene	BG074158	1424186_at	0.00738	0.892	0.692
Plagl1	pleiomorphic_adenoma_gene-like_1	AF147785	1426208_x_at	0.0374	0.574	0.651
Col4a1	procollagen_type_IV_alpha_1	BF158638	1426348_at	0.0194	0.744	0.688
Fn1	fibronectin_1	BC004724	1426642_at	0.00286	0.311	0.763
Col6a2	procollagen_type_VI_alpha_2	BI455189	1426947_x_at	0.00786	0.787	0.679
Efemp1	epidermal_growth_factor-containing_fibulin-like_extracellular_matrix_protein_1	BC023060	1427183_at	0.00101	0.0985	0.668
Cspg2	chondroitin_sulfate_proteoglycan_2	BM251152	1427256_at	0.00186	0.359	0.628
Col3a1	procollagen_type_III_alpha_1	AW550625	1427883_a_at	0.00607	0.435	0.606
0610007L05Rik	RIKEN_cDNA_0610007L05_gene	BI328146	1428538_s_at	0.00204	0.53	0.534
2610016K11Rik	RIKEN_cDNA_2610016K11_gene	BB543167	1433488_x_at	0.0165	0.207	0.861
Cdh5	cadherin_5	AW543698	1433956_at	0.00682	0.46	0.849
Tcf4	transcription_factor_4	BB364520	1434148_at	0.0184	0.109	0.893
Pkig	protein_kinase_inhibitor_gamma	AV209892	1434820_s_at	0.00929	0.68	0.855

Sh3bgrl	SH3-binding_domain_glutamic_acid-rich_protein_like	BB248904	1436997_x_at	0.00524	0.151	0.731
F2r	coagulation_factor_II_(thrombin)_receptor	AV024285	1437308_s_at	0.00279	0.194	0.763
Fkbp9	FK506_binding_protein_9	BB026630	1437687_x_at	0.00609	0.0701	0.593
Clu	clusterin	AV152288	1437689_x_at	0.0476	0.251	0.908
Bgn	biglycan	AI931862	1437889_x_at	0.0146	0.47	0.795
Fstl1	follistatin-like_1	BI452727	1448259_at	0.00239	0.402	0.967
Bgn	biglycan	BC019502	1448323_a_at	0.0216	0.417	0.909
Sparc	secreted_acidic_cysteine_rich_glycoprotein	NM_009242	1448392_at	0.0152	0.504	0.915
Pcolce	procollagen_C-proteinase_enhancer_protein	NM_008788	1448433_a_at	0.00387	0.709	0.706
Col15a1	procollagen,_type_XV	AF011450	1448755_at	0.0231	0.865	0.483
Dcn	decorin	NM_007833	1449368_at	0.0103	0.558	0.695
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Ctsk	cathepsin_K	NM_007802	1450652_at	0.00445	0.273	0.637
Serpinh1	serine_(or_cysteine)_proteinase_inhibitor,_clade_H,_member_1	BI220012	1450843_a_at	0.00442	0.507	0.863
Col1a2	procollagen,_type_I,_alpha_2	BF227507	1450857_a_at	0.00441	0.493	0.76
6330406I15Rik	RIKEN_cDNA_6330406I15_gene	AK018128	1452244_at	1.15E-05	0.0679	0.978
Col6a2	procollagen,_type_VI,_alpha_2	BI455189	1452250_a_at	0.0072	0.966	0.708
Rrbp1	ribosome_binding_protein_1	AK019964	1452767_at	0.0113	0.384	0.746
4833411K15Rik	RIKEN_cDNA_4833411K15_gene	AV102733	1455908_a_at	0.029	0.247	0.86
Pltp	phospholipid_transfer_protein	AI591480	1456424_s_at	0.000534	0.22	0.794
Serpinh1	serine_(or_cysteine)_proteinase_inhibitor,_clade_H,_member_1	BB329489	1456733_x_at	0.000729	0.754	0.947
Dbp	D_site_albumin_promoter_binding_protein	BB550183	1438211_s_at	0.155	0.00774	0.21
Cyp2e1	cytochrome_P450,_family_2,_subfamily_e,_polypeptide_1	NM_021282	1415994_at	0.0481	0.924	0.407
Aqp1	aquaporin_1	NM_007472	1416203_at	0.0389	0.911	0.33
Fstl1	follistatin-like_1	BI452727	1416221_at	0.00535	0.184	0.644
Tnc	tenascin_C	NM_011607	1416342_at	0.00172	0.331	0.508
Apod	apolipoprotein_D	NM_007470	1416371_at	0.0379	0.424	0.296
Ppic	peptidylprolyl_isomerase_C	NM_008908	1416498_at	0.00555	0.134	0.551
Col5a1	procollagen,_type_V,_alpha_1	AW744319	1416740_at	0.000337	0.868	0.102
Tpbbp	trophoblast_specific_protein_beta	NM_007796	1416811_s_at	0.000299	0.213	0.27
Emp3	epithelial_membrane_protein_3	BC001999	1417104_at	0.00175	0.442	0.349
Arl2bp	ADP-ribosylation_factor-like_2_binding_protein	NM_024191	1417112_at	2.76E-05	0.926	0.167
Pmp22	peripheral_myelin_protein	NM_008885	1417133_at	0.00362	0.0909	0.141
C1qa	complement_component_1,_q_subcomponent,_alpha_polypeptide	NM_007572	1417381_at	0.0385	0.435	0.623
Cp	ceruloplasmin	BB332449	1417494_a_at	0.00332	0.245	0.0649
Snx5	sorting_nexin_5	NM_024225	1417647_at	0.0018	0.638	0.348
Nrp	neuropilin	AK011144	1418084_at	0.0203	0.945	0.316
Kdelr3	KDEL_(Lys-Asp-Glu-Leu)_endoplasmic_reticulum_protein_retention_receptor_3	NM_134090	1418538_at	0.000389	0.677	0.189
Arhj	ras_homolog_gene_family,_member_J	AF309564	1418892_at	0.00378	0.346	0.342
9530081K03Rik	RIKEN_cDNA_9530081K03_gene	NM_030127	1419292_at	0.000455	0.212	0.407
Lgals1	lectin,_galactose_binding,_soluble_1	NM_008495	1419573_a_at	0.00326	0.706	0.261



C1qr1	complement_component_1, q_subcomponent, receptor_1	BB039247	1419589_at	0.00969	0.92	0.36
Col5a3	procollagen, type V, alpha_3	NM_016919	1419703_at	0.00897	0.951	0.28
Pecam	platelet/endothelial_cell_adhesion_molecule	NM_008816	1421287_a_at	0.0377	0.486	0.223
Col5a2	procollagen, type V, alpha_2	AV229424	1422437_at	0.002	0.347	0.534
Adamts5	a_disintegrin-like_and_metalloprotease_(reprolysin_type)_with_thrombospondin_type_1_motif, 5	BB658835	1422561_at	0.0302	0.577	0.492
Ly86	lymphocyte_antigen_86	NM_010745	1422903_at	0.0068	0.932	0.318
Cd36	CD36_antigen	BB534670	1423166_at	0.00713	0.502	0.376
Myadm	myeloid-associated_differentiation_marker	BI078799	1423321_at	0.0176	0.818	0.539
Igfbp7	insulin-like_growth_factor_binding_protein_7	AI481026	1423584_at	0.0326	0.897	0.381
Lum	lumican	AK014312	1423607_at	0.000414	0.33	0.18
Pkig	protein_kinase_inhibitor, gamma	BC026550	1423945_a_at	0.00129	0.95	0.158
BC013529	cDNA_sequence_BC013529	BC013529	1424025_at	0.0219	0.508	0.569
Col6a3	procollagen, type VI, alpha_3	AF064749	1424131_at	0.0135	0.974	0.449
Ian1	immune_associated_nucleotide_1	BC005577	1424375_s_at	0.00154	0.434	0.251
Lama4	laminin, alpha_4	BB053010	1424807_at	0.0128	0.892	0.279
P2ry6	pyrimidinergic_receptor_P2Y, G-protein_coupled, 6	BC027331	1425214_at	0.00489	0.748	0.224
Grb10	growth_factor_receptor_bound_protein_10	AF022072	1425458_a_at	0.000147	0.548	0.112
Prrx1	paired_related_homeobox_1	L06502	1425528_at	0.00161	0.575	0.239
Glul	glutamate-ammonia_ligase_(glutamine_synthase)	AI391218	1426236_a_at	0.02	0.617	0.244
Apbp2	amyloid_beta_(A4)_precursor_protein-binding, family B, member_2	BG067463	1426719_at	0.00043	0.536	0.11
Ifi205	interferon_activated_gene_205	M74124	1426906_at	0.0222	0.617	0.499
C130058N24Rik	RIKEN_cDNA_C130058N24_gene	BC026446	1427020_at	0.00111	0.0491	0.534
1110028G01Rik	RIKEN_cDNA_1110028G01_gene	AJ277212	1427201_at	0.00301	0.718	0.306
Col3a1	procollagen, type III, alpha_1	AW550625	1427884_at	0.00177	0.34	0.448
Sh3bgrl	SH3-binding_domain_glutamic_acid-rich_protein_like	AK004519	1428107_at	0.0264	0.16	0.758
Anxa6	annexin_A6	AK013026	1429246_a_at	0.00165	0.403	0.0996
Ppap2b	phosphatidic_acid_phosphatase_type_2B	AW111876	1429514_at	0.0154	0.197	0.629
Arl2bp	ADP-ribosylation_factor-like_2_binding_protein	AK006418	1429859_a_at	0.000937	0.578	0.298
Plekhc1	pleckstrin_homology_domain_containing, family C_(with_FERM_domain)_member_1	BG070082	1434180_at	0.00438	0.501	0.314
Pcolce	procollagen_C-proteinase_enhancer_protein	BB250811	1437165_a_at	0.000153	0.963	0.222
O610007L05Rik	RIKEN_cDNA_O610007L05_gene	AV012073	1437902_s_at	0.00155	0.441	0.398
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Figf	c-fos_induced_growth_factor	BB359521	1438953_at	0.0369	0.561	0.389
Figf	c-fos_induced_growth_factor	BB359521	1438954_x_at	0.0266	0.399	0.283
Lyzs	lysozyme	AV058500	1439426_x_at	0.009	0.432	0.339
Col6a1	procollagen, type VI, alpha_1	NM_009933	1448590_at	0.01	0.624	0.215
Ifi203	interferon_activated_gene_203	NM_008328	1448775_at	0.00659	0.492	0.402
Cxcl12	chemokine_(C-X-C_motif)_ligand_12	BC006640	1448823_at	0.00291	0.0608	0.645
Nrp	neuropilin	AK011144	1448943_at	0.00237	0.183	0.54
Col5a2	procollagen, type V, alpha_2	AV229424	1450625_at	0.00136	0.472	0.433
Sepp1	selenoprotein_P, plasma, 1	BC001991	1452141_a_at	0.00457	0.26	0.579

Il6st	interleukin_6_signal_transducer	AK017211	1452843_at	0.00665	0.759	0.37
Ndn	necdin	AV124445	1455792_x_at	2.81E-06	0.275	0.0253
Vim	vimentin	AV147875	1456292_a_at	0.0046	0.449	0.519
Fbn1	fibrillin_1	NM_007993	1460208_at	0.000235	0.0603	0.404

Cluster D		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
AW538196	expressed_sequence_AW538196	NM_133952	1415866_at	0.0353	0.786	0.0577
Gjb3	gap_junction_membrane_channel_protein_beta_3	NM_008126	1416715_at	0.0369	0.668	0.0763
Fzd6	frizzled_homolog_6_(Drosophila)	NM_008056	1417301_at	0.012	0.703	0.0451
Prkcl	protein_kinase_C_lambda	NM_008857	1417410_s_at	0.0293	0.619	0.019
Rab38	Rab38_member_of_RAS_oncogene_family	NM_028238	1417700_at	0.0144	0.531	0.013
Ppfibp2	protein_tyrosine_phosphatase_receptor-type_F_interacting_protein_binding_protein_2	NM_008905	1417801_a_at	0.000537	0.941	0.000512
Irf6	interferon_regulatory_factor_6	NM_016851	1418301_at	0.0462	0.683	0.0347
Prss8	protease_serine_8_(prostasin)	BC003851	1418320_at	0.00457	0.877	0.0174
Notch1	Notch_gene_homolog_1_(Drosophila)	NM_008714	1418634_at	0.0181	0.886	0.00845
AI256711	expressed_sequence_AI256711	AW475993	1418831_at	0.0286	0.647	0.0377
Evpl	envoplakin	NM_025276	1419133_at	0.0175	0.674	0.0419
Igsf9	immunoglobulin_superfamily_member_9	AF317839	1420518_a_at	0.00941	0.796	0.0232
Ptpnf	protein_tyrosine_phosphatase_receptor_type_F	BF235516	1420842_at	0.0378	0.941	0.0257
Ptpnf	protein_tyrosine_phosphatase_receptor_type_F	BF235516	1420843_at	0.0101	0.957	0.0379
Pard6g	par-6_partitioning_defective_6_homolog_gamma_(C_elegans)	NM_053117	1420851_at	0.0207	0.806	0.0678
Pabpn1	poly(A)_binding_protein_nuclear_1	AV028400	1422849_a_at	0.0307	0.836	0.0226
AW212394	expressed_sequence_AW212394	BF225441	1424463_at	0.0473	0.987	0.0606
AW125753	expressed_sequence_AW125753	BC002154	1425452_s_at	0.0337	0.772	0.0562
Alox12e	arachidonate_lipoxygenase_epidermal	U39200	1426039_a_at	0.00605	0.301	0.129
Hrc	histidine_rich_calcium_binding_protein	BC021623	1426048_s_at	0.00694	0.974	0.0015
Agrn	agrin	BM208224	1426670_at	0.0475	0.885	0.0413
Smo	smoothened_homolog_(Drosophila)	AW555326	1427049_s_at	0.00355	0.0506	0.00471
BC031593	cDNA_sequence_BC031593	BC019155	1427352_at	0.0353	0.565	0.0945
Grhl2	grainyhead_like_2_(Drosophila)	AK005410	1429086_at	0.0483	0.887	0.0662
Atp6v1c2	ATPase_H+_transporting_V1_subunit_C_isoform_2	AK004157	1430306_a_at	0.00709	0.164	0.0061
ErbB3	v-erb-b2_erythroblastic_leukemia_viral_oncogene_homolog_3_(avian)	BF140685	1434606_at	0.0469	0.516	0.106
Spint2	serine_protease_inhibitor_Kunitz_type_2	AV058358	1438968_x_at	0.0391	0.787	0.0164
6330505N24	hypothetical_protein_6330505N24	AV329790	1439018_at	0.0282	0.417	0.0277
Incnp	inner_centromere_protein	BB418702	1439436_x_at	0.0235	0.697	0.0525
Grb7	growth_factor_receptor_bound_protein_7	NM_010346	1448227_at	0.000421	0.755	0.00691
Rassf3	Ras_association_(RalGDS/AF-6)_domain_family_3	BB703307	1448546_at	0.0397	0.409	0.316
S100a14	S100_calcium_binding_protein_A14	NM_025393	1449166_at	0.0309	0.944	0.0368
Gpx2	glutathione_peroxidase_2	NM_030677	1449279_at	0.0085	0.16	0.00676
Pkp1	plakophilin_1	NM_019645	1449586_at	0.045	0.567	0.0858

Wnt4	wingless-related_MMTV_integration_site_4	NM_009523	1450782_at	0.025	0.893	0.0376
1300006M19Rik	RIKEN_cDNA_1300006M19_gene	BC015459	1451539_at	0.0245	0.692	0.112
---	---	BC004738	1451895_a_at	0.0185	0.526	0.0218
AA409316	expressed_sequence_AA409316	BB021559	1452273_at	0.0134	0.436	0.0135
2310040C09Rik	RIKEN_cDNA_2310040C09_gene	AK009716	1453184_at	0.0115	0.714	0.0134
Cd9	CD9_antigen	NM_007657	1416066_at	0.0835	0.707	0.27
Spint1	serine_protease_inhibitor_Kunitz_type_1	NM_016907	1416627_at	0.0682	0.637	0.0727
Itpr3	inositol_1,4,5-triphosphate_receptor_3	NM_080553	1417297_at	0.0721	0.849	0.156
Vdr	vitamin_D_receptor	AV290079	1418176_at	0.0808	0.655	0.0437
Dgka	diacylglycerol_kinase_alpha	BC006713	1418578_at	0.0821	0.232	0.146
Bbox1	butyrobetaine_(gamma)_2-oxoglutarate_dioxygenase_1_(gamma-butyrobetaine_hydroxylase)	NM_130452	1419618_at	0.0551	0.0923	0.184
Il17rc	interleukin_17_receptor_C	NM_134159	1419671_a_at	0.0521	0.247	0.0991
Cyp2b19	cytochrome_P450_family_2_subfamily_b_polypeptide_19	NM_007814	1419731_at	0.0584	0.924	0.178
Zfp185	zinc_finger_protein_185	AK014497	1420944_at	0.0778	0.496	0.0229
Defb6	defensin_beta_6	NM_054074	1421807_at	0.0694	0.917	0.131
Krt1-15	keratin_complex_1_acidic_gene_15	NM_008469	1422667_at	0.0627	0.185	0.283
Tacstd2	tumor-associated_calcium_signal_transducer_2	AV241768	1423323_at	0.0809	0.588	0.0117
Krt2-6g	keratin_complex_2_basic_gene_6g	BC006780	1424096_at	0.0973	0.334	0.212
Trim29	tripartite_motif_protein_29	BC027353	1424162_at	0.0978	0.85	0.145
Homer2	homer_homolog_2_(Drosophila)	AB017136	1424367_a_at	0.0702	0.0644	0.00273
Bnc	basonuclin	U88064	1424890_at	0.0581	0.377	0.0296
BC017147	cDNA_sequence_BC017147	BC017147	1425558_at	0.0797	0.752	0.0489
Tbx1	T-box_1	AF326960	1425779_a_at	0.0926	0.382	0.0241
Jag2	jagged_2	AV264681	1426431_at	0.0826	0.224	0.0543
3830613O22Rik	RIKEN_cDNA_3830613O22_gene	BC019649	1426782_at	0.0581	0.861	0.0127
LOC214531	mosaic_serine_protease-like	BF138523	1427477_at	0.0687	0.115	0.107
Nfatc3	nuclear_factor_of_activated_T-cells_cytoplasmic_3	BF124648	1433683_at	0.0891	0.56	0.119
Nos3	nitric_oxide_synthase_3_endothelial_cell	AW121498	1434092_at	0.0553	0.867	0.128
Cldn1	claudin_1	AV227581	1437932_a_at	0.0994	0.934	0.0348
Syt1	synaptotagmin-like_1	NM_031393	1450240_a_at	0.0633	0.587	0.0985
Kif21a	kinesin_family_member_21A	NM_016705	1450738_at	0.0575	0.686	0.148
BC031468	cDNA_sequence_BC031468	BG070112	1454681_at	0.0557	0.962	0.0549
Krt1-14	keratin_complex_1_acidic_gene_14	BE197934	1455573_at	0.0533	0.207	0.523

Cluster E		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
1600029D21Rik	RIKEN_cDNA_1600029D21_gene	BC022950	1423933_a_at	0.00332	0.064	0.196
Sdc1	syndecan_1	BI788645	1415943_at	0.0987	0.424	0.22
Dnajb1	DnaJ_(Hsp40)_homolog_subfamily_B_member_1	AK002290	1416755_at	0.0713	0.137	0.0597
Efna1	ephrin_A1	D38146	1416895_at	0.0738	0.227	0.0487
Prom2	prominin_2	AF269062	1417047_at	0.0503	0.598	0.167

Slc40a1	solute_carrier_family_40_(iron-regulated_transporter),_member_1	AF226613	1417061_at	0.0969	0.287	0.104
Peli1	pellino_1	BC016515	1417371_at	0.0529	0.77	0.348
Rai14	retinoic_acid_induced_14	NM_030690	1417400_at	0.869	0.0812	0.0409
Insig2	insulin_induced_gene_2	AV257512	1417981_at	0.0793	0.316	0.107
Fem1b	feminization_1_homolog_b_(C._elegans)	BM232562	1418324_at	0.355	0.0777	0.147
Lad1	ladinin	NM_133664	1418449_at	0.0686	0.823	0.143
Al256711	expressed_sequence_Al256711	AW475993	1418832_at	0.0694	0.61	0.285
Fgfbp1	fibroblast_growth_factor_binding_protein_1	U49641	1419086_at	0.0899	0.791	0.299
Cstb	cystatin_B	NM_007793	1422507_at	0.0833	0.218	0.335
Foxq1	forkhead_box_Q1	NM_008239	1422735_at	0.0773	0.156	0.219
Clk3	CDC-like_kinase_3	AF033565	1423849_a_at	0.0942	0.849	0.287
Ptgds	prostaglandin_D2_synthase_(brain)	AB006361	1423860_at	0.0835	0.731	0.128
Ptger4	prostaglandin_E_receptor_4_(subtype_EP4)	BC011193	1424208_at	0.0893	0.114	0.046
9030407H20Rik	RIKEN_cDNA_9030407H20_gene	BC019416	1424966_at	0.0526	0.861	0.474
2300002L21Rik	RIKEN_cDNA_2300002L21_gene	BC020031	1425560_a_at	0.0755	0.47	0.351
Alcam	activated_leukocyte_cell_adhesion_molecule	U95030	1426301_at	0.0715	0.133	0.0824
Jag2	jagged_2	AV264681	1426430_at	0.0623	0.67	0.231
Pawr	PRKC,_apoptosis,_WT1,_regulator	BB398886	1426910_at	0.0743	0.276	0.0609
2310047E01Rik	RIKEN_cDNA_2310047E01_gene	AK009873	1428485_at	0.0599	0.834	0.24
2310040C09Rik	RIKEN_cDNA_2310040C09_gene	AK009716	1429536_at	0.0645	0.321	0.122
Slc25a6	solute_carrier_family_25_(mitochondrial_carrier;_phosphate_carrier),_member_26	AV174595	1434210_s_at	0.0806	0.195	0.0801
Unc5b	unc-5_homolog_B_(C._elegans)	BG065285	1435110_at	0.0851	0.305	0.157
4930534K13Rik	RIKEN_cDNA_4930534K13_gene	BG064140	1435226_at	0.0804	0.989	0.549
D12Wsu95e	DNA_segment,_Chr_12,_Wayne_State_University_95,_expressed	BM194994	1437545_at	0.0921	0.122	0.2
---	Mus_musculus_transcribed_sequences	BB092799	1438244_at	0.0874	0.35	0.424
---	Mus_musculus_adult_male_corpus_striatum_cDNA,_RIKEN_full-length_enriched_library,_clone:C030039M13	BB111454	1439411_a_at	0.0913	0.75	0.539
Xpo5	exportin_5	AL024089	1449648_s_at	0.0524	0.276	0.148
Fzd7	frizzled_homolog_7_(Drosophila)	NM_008057	1450044_at	0.366	0.0705	0.0253
Idi1	isopentenyl-diphosphate_delta_isomerase	BC004801	1451122_at	0.0853	0.555	0.213
Tgm1	transglutaminase_1,_K_polypeptide	BC026422	1451416_a_at	0.0732	0.505	0.452
Spint2	serine_protease_inhibitor,_Kunitz_type_2	AF099020	1451935_a_at	0.0709	0.249	0.0902
LOC212285	hypothetical_protein_LOC212285	AV375176	1452291_at	0.0734	0.861	0.14
B830009D23Rik	RIKEN_cDNA_B830009D23_gene	BB667368	1455350_at	0.0886	0.627	0.132
Cxcl14	chemokine_(C-X-C_motif)_ligand_14	AF252873	1418456_a_at	0.211	0.0203	0.0518
Efnb2	ephrin_B2	U30244	1419639_at	0.102	0.0459	0.0293
Gclc	glutamate-cysteine_ligase,_catalytic_subunit	BC019374	1424296_at	0.042	0.126	0.247
Katna1	katanin_p60_(ATPase-containing)_subunit_A1	AK012319	1450949_at	0.00965	0.195	0.218
Tpm1	tropomyosin_1,_alpha	BM232388	1456623_at	0.0582	0.043	0.174
Sdc1	syndecan_1	BI788645	1415944_at	0.039	0.154	0.0226
Nrarp	Notch-regulated_ankyrin_repeat_protein	BI696369	1417985_at	0.0291	0.535	0.148
St14	suppression_of_tumorigenicity_14_(colon_carcinoma)	NM_011176	1418076_at	0.0354	0.518	0.0755

Efnb1	ephrin_B1	NM_010110	1418285_at	0.0325	0.23	0.0499
Epb4.1l4b	erythrocyte_protein_band_4.1-like_4b	NM_019427	1418294_at	0.00727	0.426	0.0339
Lhx2	LIM_homeobox_protein_2	NM_010710	1418317_at	0.0319	0.243	0.0265
---	Mus_musculus_transcribed_sequence_with_weak_similarity_to_protein_pir:l58401_(M.musculus)	AW556821	1419033_at	0.0243	0.836	0.113
Foxc1	forkhead_box_C1	BB759833	1419485_at	0.0121	0.371	0.0707
Jag1	jagged_1	AA880220	1421106_at	0.00171	0.105	0.0613
Tcfap2a	transcription_factor_AP-2,_alpha	NM_011547	1421996_at	0.0367	0.487	0.0647
Mte1	mitochondrial_acyl-CoA_thioesterase_1	NM_134188	1422997_s_at	0.0141	0.211	0.109
Tcfap2b	transcription_factor_AP-2_beta	AV334599	1423340_at	0.0212	0.47	0.505
Hras1	Harvey_rat_sarcoma_virus_oncogene_1	BC011083	1424132_at	0.0234	0.449	0.0536
6230410J09Rik	RIKEN_cDNA_6230410J09_gene	BC021308	1424895_at	0.0119	0.0375	0.00454
Sox9	SRY-box_containing_gene_9	BC024958	1424950_at	0.0123	0.0781	0.00754
Ace2	angiotensin_I_converting_enzyme_(peptidyl-dipeptidase_A)_2	AB053181	1425103_at	0.0327	0.222	0.111
BC037006	cDNA_sequence_BC037006	BQ176786	1427261_at	0.00067	0.708	0.063
Egr2	early_growth_response_2	X06746	1427683_at	0.00669	0.772	0.137
Celsr2	cadherin_EGF_LAG_seven-pass_G-type_receptor_2	AW553336	1435336_at	0.00499	0.797	0.0607
hr	hairless	AV231755	1435950_at	0.000246	0.42	0.0307
Tnk2	tyrosine_kinase,_non-receptor,_2	NM_016788	1448297_a_at	0.0157	0.426	0.0814
Dnajb10	DnaJ_(Hsp40)_homolog,_subfamily_B,_member_10	NM_020266	1448657_a_at	0.0376	0.353	0.146
Dsg2	desmoglein_2	C79957	1449740_s_at	0.026	0.641	0.076
Gpr49	G_protein-coupled_receptor_49	BB751088	1450988_at	0.00934	0.289	0.0585
Sc5d	sterol-C5-desaturase_(fungal_ERG3,_delta-5-desaturase)_homolog_(S._cerevisae)	AB016248	1451457_at	0.0126	0.415	0.209
9030407H20Rik	RIKEN_cDNA_9030407H20_gene	BC019416	1451546_s_at	0.00757	0.93	0.0921
4930538C18Rik	RIKEN_cDNA_4930538C18_gene	AV317107	1451717_s_at	0.0219	0.622	0.227
2300002F06Rik	RIKEN_cDNA_2300002F06_gene	BC024546	1451776_s_at	0.000691	0.485	0.0111
Blnk	B-cell_linker	AF068182	1451780_at	0.0476	0.308	0.0544
Sep5	septin_5	AF033350	1452357_at	0.0465	0.895	0.162
Sostdc1	sclerostin_domain_containing_1	BC021458	1460250_at	0.000575	0.283	0.0268

Cluster F		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
Foxa1	forkhead_box_A1	NM_008259	1418496_at	0.847	0.0416	0.0914
Junb	Jun-B_oncogene	NM_008416	1415899_at	0.0524	0.91	0.878
Mlp	MARCKS-like_protein	NM_010807	1415922_s_at	0.069	0.828	0.631
Btg2	B-cell_translocation_gene_2,_anti-proliferative	NM_007570	1416250_at	0.0734	0.986	0.703
Ets2	E26_avian_leukemia_oncogene_2,_3'_domain	BC005486	1416268_at	0.0991	0.376	0.862
Egr1	early_growth_response_1	NM_007913	1417065_at	0.0702	0.799	0.909
Irf7	interferon_regulatory_factor_7	NM_016850	1417244_a_at	0.073	0.569	0.647
Mmp13	matrix_metalloproteinase_13	NM_008607	1417256_at	0.0829	0.719	0.546
Olf56	olfactory_receptor_56	NM_008330	1417292_at	0.0503	0.412	0.228
Il15	interleukin_15	NM_008357	1418219_at	0.0798	0.345	0.457

Gbp2	guanylate_nucleotide_binding_protein_2	NM_010260	1418240_at	0.0692	0.595	0.277
Rdh11	retinol_dehydrogenase_11	AB030503	1418760_at	0.087	0.818	0.763
---	---	NM_011087	1418809_at	0.0599	0.44	0.148
Arg2	arginase_type_II	NM_009705	1418847_at	0.0815	0.592	0.464
Cxcl10	chemokine_(C-X-C_motif)_ligand_10	NM_021274	1418930_at	0.0565	0.81	0.46
Ltb	lymphotoxin_B	NM_008518	1419135_at	0.0709	0.702	0.299
Klf7	Kruppel-like_factor_7_(ubiquitous)	BB524597	1419356_at	0.0964	0.504	0.263
Tpd52	tumor_protein_D52	BC002036	1419493_a_at	0.0812	0.686	0.5
1110035O14Rik	RIKEN_cDNA_1110035O14_gene	NM_010268	1420342_at	0.0759	0.74	0.2
2510004L01Rik	RIKEN_cDNA_2510004L01_gene	BB741897	1421008_at	0.056	0.957	0.481
Ccl4	chemokine_(C-C_motif)_ligand_4	AF128218	1421578_at	0.0543	0.959	0.262
Nedd9	neural_precursor_cell_expressed,_developmentally_down-regulated_gene_9	NM_017464	1422818_at	0.0818	0.96	0.374
Rdh12	retinol_dehydrogenase_12	BC016204	1424256_at	0.0713	0.144	0.804
Smox	spermine_oxidase	BC004831	1424268_at	0.0745	0.332	0.501
Oasl1	2'-5'_oligoadenylate_synthetase-like_1	AB067533	1424339_at	0.0582	0.711	0.851
Fcrl3	Fc_receptor-like_3	BC027310	1425225_at	0.0879	0.464	0.339
Cias1	cold_autoinflammatory_syndrome_1_homolog_(human)	AF486632	1425412_at	0.0621	0.348	0.165
Sln4	schlafen_4	AF099975	1427102_at	0.0987	0.497	0.369
1110003B01Rik	RIKEN_cDNA_1110003B01_gene	AK010339	1428319_at	0.0796	0.538	0.509
Rnf149	ring_finger_protein_149	T12280	1429321_at	0.0787	0.861	0.848
G1p2	interferon,_alpha-inducible_protein	AK019325	1431591_s_at	0.0934	0.858	0.637
Cd80	CD80_antigen	AK019867	1432826_a_at	0.0841	0.655	0.948
Mbp	myelin_basic_protein	AI323506	1433532_a_at	0.157	0.0907	0.15
Lyst	lysosomal_trafficking_regulator	BB463428	1434674_at	0.0963	0.771	0.726
5830484A20Rik	RIKEN_cDNA_5830484A20_gene	BB548008	1435660_at	0.0913	0.807	0.639
Brd2	bromodomain_containing_2	AI506310	1437210_a_at	0.0587	0.553	0.379
Btg2	B-cell_translocation_gene_2,_anti-proliferative	NM_007570	1448272_at	0.096	0.373	0.883
Nfkbia	nuclear_factor_of_kappa_light_chain_gene_enhancer_in_B-cells_inhibitor,_alpha	NM_010907	1448306_at	0.0687	0.48	0.458
AA408868	expreeexpressed_sequence_AA408868	AB026551	1448728_a_at	0.0734	0.626	0.636
Ifit3	interferon-induced_protein_with_tetratricopeptide_repeats_3	NM_010501	1449025_at	0.0931	0.716	0.55
Sln3	schlafen_3	NM_011409	1450322_s_at	0.0876	0.796	0.321
Gadd45b	growth_arrest_and_DNA-damage-inducible_45_beta	AK010420	1450971_at	0.0586	0.994	0.534
Alas2	aminolevulinic_acid_synthase_2,_erythroid	M63244	1451675_a_at	0.0896	0.629	0.916
BC013672	cDNA_sequence_BC013672	BC013672	1451777_at	0.084	0.756	0.221
Tap1	transporter_1,_ATP-binding_cassette,_sub-family_B_(MDR/TAP)	AW048052	1416016_at	0.03	0.926	0.805
Gsta4	glutathione_S-transferase,_alpha_4	NM_010357	1416368_at	0.00182	0.983	0.693
Ier2	immediate_early_response_2	NM_010499	1416442_at	0.0178	0.851	0.747
Glx1	glutaredoxin_1_(thioltransferase)	AF276917	1416592_at	0.047	0.869	0.204
Samhd1	SAM_domain_and_HD_domain,_1	NM_018851	1418131_at	0.0378	0.298	0.176
H2-Q7	histocompatibility_2,_Q_region_locus_7	M29881	1418536_at	0.00183	0.189	0.603
Daxx	Fas_death_domain-associated_protein	NM_007829	1419026_at	0.0229	0.635	0.321

Isg20	interferon-stimulated_protein	BC022751	1419569_a_at	0.0279	0.634	0.247
Tnf	tumor_necrosis_factor	NM_013693	1419607_at	0.0166	0.317	0.0481
Pdcd1lg1	programmed_cell_death_1_ligand_1	NM_021893	1419714_at	0.0324	0.469	0.256
Gbp1	guanylate_nucleotide_binding_protein_1	NM_010259	1420549_at	0.0388	0.754	0.325
2510004L01Rik	RIKEN_cDNA_2510004L01_gene	BB741897	1421009_at	0.0326	0.949	0.377
Cdkn1a	cyclin-dependent_kinase_inhibitor_1A_(P21)	NM_007669	1421679_a_at	0.0316	0.619	0.927
Nedd4	neural_precursor_cell_expressed,_developmentally_down-regulted_gene_4	NM_010890	1421955_a_at	0.00105	0.0595	0.882
---	Mus_musculus_cDNA_clone_MGC:73493_IMAGE:6813048,_complete_cds	AW549928	1423071_x_at	0.0174	0.306	0.729
6720475J19Rik	RIKEN_cDNA_6720475J19_gene	AW549928	1423072_at	0.00617	0.941	0.0871
Cdkn1a	cyclin-dependent_kinase_inhibitor_1A_(P21)	AK007630	1424638_at	0.0179	0.909	0.842
Sorl1	sortilin-related_receptor,_LDLR_class_A_repeats-containing	BI648081	1426258_at	0.0202	0.239	0.577
Ccr12	chemokine_(C-C_motif)_receptor-like_2	AJ318863	1427736_a_at	0.0165	0.631	0.539
1110008K06Rik	RIKEN_cDNA_1110008K06_gene	AK003586	1428346_at	0.029	0.7	0.567
Pim1	proviral_integration_site_1	AI323550	1435458_at	0.0413	0.701	0.627
2510004L01Rik	RIKEN_cDNA_2510004L01_gene	BB132493	1436058_at	0.0363	0.671	0.384
---	---	AA798895	1436362_x_at	0.0479	0.866	0.2
Axot	axotrophin	BE288026	1436893_a_at	0.0454	0.525	0.851
Slc20a1	solute_carrier_family_20,_member_1	BB465699	1438824_at	0.0477	0.673	0.716
Ddx6	DEAD_(Asp-Glu-Ala-Asp)_box_polypeptide_6	BF226295	1439122_at	0.0233	0.381	0.954
Myd116	myeloid_differentiation_primary_response_gene_116	NM_008654	1448325_at	0.047	0.424	0.772
Sdc4	syndecan_4	BC005679	1448793_a_at	0.00184	0.504	0.847
---	---	AI323528	1449773_s_at	0.0304	0.27	0.751
Thbs1	thrombospondin_1	AI385532	1450377_at	0.0365	0.761	0.271
Ifit1	interferon-induced_protein_with_tetratricopeptide_repeats_1	NM_008331	1450783_at	0.0452	0.447	0.58
Klf5	Kruppel-like_factor_5	BC006646	1451739_at	0.0461	0.872	0.71
Thbs1	thrombospondin_1	AI385532	1460302_at	0.0102	0.692	0.486
Dhcr24	24-dehydrocholesterol_reductase	BG295389	1418129_at	0.000584	0.063	0.22

Cluster G		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
Gilz	glucocorticoid-induced_leucine_zipper	NM_010286	1420772_a_at	0.191	0.0207	0.108
Fkbp5	FK506_binding_protein_5	U16959	1416125_at	0.714	0.00925	0.235
Cyp17a1	cytochrome_P450,_family_17,_subfamily_a,_polypeptide_1	NM_007809	1417017_at	0.403	0.0106	0.976
Akr1c18	aldo-keto_reductase_family_1,_member_C18	NM_134066	1419136_at	0.193	3.4E-05	0.808
Gp38	glycoprotein_38	NM_010329	1419309_at	0.521	0.0418	0.249
Cyp2g1	cytochrome_P450,_family_2,_subfamily_g,_polypeptide_1	NM_013809	1449565_at	0.616	0.0009	0.738
Abhd1	abhydrolase_domain_containing_1	BB225012	1456037_x_at	0.346	0.0309	0.262
Sesn1	sestrin_1	BG076140	1433711_s_at	0.739	0.0553	0.486
2610524G07Rik	RIKEN_cDNA_2610524G07_gene	AV111335	1439253_x_at	0.0901	0.668	0.178
1200003E16Rik	RIKEN_cDNA_1200003E16_gene	AK004560	1452714_at	0.397	0.0695	0.152

Cluster H		ANOVA p value				
Name	Description	NCBI	Affy Probe	MIF	OVX	Inter
Cpd	carboxypeptidase_D	NM_007754	1418018_at	0.662	0.0773	0.839
2210401K01Rik	RIKEN_cDNA_2210401K01_gene	AF146523	1418189_s_at	0.548	0.0542	0.998
Sprr2d	small_proline-rich_protein_2D	NM_011470	1420771_at	0.28	0.0928	0.325
Aqp3	aquaporin_3	AF104416	1422008_a_at	0.549	0.0664	0.967
Pten	phosphatase_and_tensin_homolog	AA214868	1422553_at	0.713	0.0774	0.417
lapp	islet_amyloid_polypeptide	BM569571	1423509_a_at	0.884	0.0849	0.025
1110001C20Rik	RIKEN_cDNA_1110001C20_gene	BG797423	1437288_at	0.435	0.0657	0.923
Tra1	tumor_rejection_antigen_gp96	BE995678	1438040_a_at	0.443	0.074	0.908
2210401K01Rik	RIKEN_cDNA_2210401K01_gene	BF537798	1438403_s_at	0.719	0.0596	0.855
Rab6	RAB6_member_RAS_oncogene_family	NM_024287	1448304_a_at	0.729	0.0888	0.878
---	---	AU018141	1453238_s_at	0.477	0.0728	0.255
C77892	expressed_sequence_C77892	AW554765	1456112_at	0.417	0.0524	0.907
Cox7a2	cytochrome_c_oxidase_subunit_VIIa_2	BE986812	1416447_at	0.52	0.00963	0.897
2210401K01Rik	RIKEN_cDNA_2210401K01_gene	AF146523	1418188_a_at	0.581	0.017	0.968
Cxcl14	chemokine_(C-X-C_motif)_ligand_14	AF252873	1418457_at	0.529	0.00562	0.102
Csnk2a1	casein_kinase_II_alpha_1_polypeptide	BB283759	1419038_a_at	0.179	0.0113	0.818
Spnb2	spectrin_beta_2	BM213516	1419256_at	0.679	0.0165	0.867
Cald1	caldesmon_1	BI248947	1424768_at	0.329	0.0481	0.517
Snx6	sorting_nexin_6	BC025911	1425148_a_at	0.462	0.0266	0.549
Galnt2	UDP-N-acetyl-alpha-D-galactosamine:polypeptide_N-acetylgalactosaminyltransferase_2	BG064057	1426756_at	0.301	0.0397	0.478
Inhbb	inhibin_beta-B	BB253137	1426858_at	0.287	0.0421	0.984
Smc4l1	SMC4_structural_maintenance_of_chromosomes_4-like_1_(yeast)	BI665568	1427275_at	0.696	0.0453	0.537
Prkwnk1	protein_kinase_lysin_deficient_1	BI692255	1436746_at	0.238	0.0192	0.349
Pum1	pumilio_1_(Drosophila)	BB314559	1456054_a_at	0.948	0.0117	0.943
Narg1	NMDA_receptor-regulated_gene_1	BG067031	1418024_at	0.444	0.0278	0.433
2310067E08Rik	RIKEN_cDNA_2310067E08_gene	BF168366	1426541_a_at	0.584	0.0229	0.284