

**R1 vs R0. Fold change >1.**

	R0			R1			R1	
Probe Set ID	Signal	Detection	Detection p-value	Signal	Detection	Detection p-value	Signal Log Ratio	FC
Up-regulated genes								
1384520_at	1,3	A	0,83	53,9	P	0,04	4,42	21,41
1381619_at	17,1	A	0,63	94,1	P	0,04	2,07	4,2
1386785_a_at	189,2	P	0	434	P	0	1,04	2,06
1386786_at	150,4	A	0,15	390,2	P	0,02	1,02	2,03
1393041_at	67,5	P	0,02	125,5	P	0	0,89	1,85
1394527_at	140,7	A	0,22	230,2	P	0,01	0,83	1,78
1367570_at	95,1	A	0,11	124,5	P	0,01	0,78	1,72
1374857_at	119,3	A	0,11	153,7	P	0	0,73	1,66
1393780_at	94,5	P	0,01	142,9	P	0	0,66	1,58
1387147_at	65,1	P	0,03	104,3	P	0	0,65	1,57
1374460_at	227,9	M	0,06	297,6	P	0,01	0,63	1,55
1398180_at	78,2	A	0,07	167,4	P	0,01	0,61	1,53
1393265_at	94,8	P	0,04	136,3	P	0	0,6	1,52
1386956_at	79,6	P	0	134,5	P	0	0,59	1,51
1374186_at	256	P	0	336	P	0	0,58	1,49
1370997_at	193,4	P	0,01	239,3	P	0	0,57	1,48
1389641_at	92,6	P	0,01	114,9	P	0	0,57	1,48
1398866_at	161,2	P	0	247,5	P	0	0,56	1,47
1375667_at	227,4	P	0,03	348,1	P	0,01	0,54	1,45
1381637_at	623,7	P	0,01	749	P	0	0,54	1,45
1389811_at	246,2	P	0,01	266,4	P	0	0,51	1,42
1370991_at	117,8	P	0,01	141,6	P	0	0,49	1,4
1368106_at	967,3	P	0	1317,4	P	0	0,47	1,39
1370541_at	460,4	P	0	518,5	P	0	0,47	1,39
1384254_at	872,5	P	0	988,1	P	0	0,47	1,39
1389494_at	317,1	P	0	501,2	P	0	0,47	1,39
1371049_at	268	P	0,01	443,2	P	0	0,46	1,38
1391770_at	379,6	P	0	535,7	P	0	0,46	1,38

1368298_at	423,4	P	0	631,2	P	0	0,44	1,36
1370523_a_at	79,7	P	0,04	96,7	P	0,01	0,44	1,36
1374760_at	158,3	P	0,01	252,5	P	0	0,44	1,36
1387874_at	496,1	P	0	656,7	P	0	0,44	1,36
1390116_at	231,4	P	0,04	261,6	P	0,01	0,44	1,36
1387317_at	989,8	P	0	1232,6	P	0	0,43	1,35
1373121_at	225,9	P	0	312,1	P	0	0,41	1,33
1376564_at	489,1	P	0	682,3	P	0	0,41	1,33
1392464_at	489	A	0,08	652,6	P	0,03	0,41	1,33
1370669_a_at	354,7	P	0	394,7	P	0	0,4	1,32
1380943_at	578,3	P	0,01	812,1	P	0,01	0,4	1,32
1375450_at	241,2	P	0	242,6	P	0	0,39	1,31
1392605_at	285,7	P	0,01	320,9	P	0	0,39	1,31
1375880_at	198,5	P	0,01	197	P	0	0,38	1,3
1378360_at	857	P	0	813,6	P	0	0,38	1,3
1389225_at	164,5	A	0,08	215,7	P	0,01	0,38	1,3
1372713_at	520,5	P	0	655	P	0	0,35	1,27
1377534_at	450,9	P	0	505,7	P	0	0,35	1,27
1370827_at	465	P	0	540,5	P	0	0,34	1,27
1371896_at	366,3	P	0	545,5	P	0	0,34	1,27
1372697_at	158,5	M	0,06	194,2	P	0,01	0,34	1,27
1374733_at	161,1	A	0,07	227,3	P	0,01	0,34	1,27
1390912_at	1096,3	P	0	1238,3	P	0	0,34	1,27
1393166_at	565,3	P	0	625,3	P	0	0,34	1,27
1397693_at	982	P	0,02	1213,2	P	0,01	0,34	1,27
1398458_at	512,2	P	0,01	693,5	P	0	0,34	1,27
1368772_at	786,5	P	0	1251,3	P	0	0,33	1,26
1371491_at	216,6	P	0	313,6	P	0	0,33	1,26
1372248_at	263	P	0	355,5	P	0	0,33	1,26
1370842_at	385,1	P	0,01	408,9	P	0	0,32	1,25
1371471_at	416	P	0	532,3	P	0	0,32	1,25
1371690_at	556,7	P	0	697,5	P	0	0,32	1,25
1371706_at	571,6	P	0	673	P	0	0,32	1,25
1373003_at	228,9	P	0,04	319	P	0,01	0,32	1,25
1379218_at	556	P	0	881,5	P	0	0,32	1,25

1374033_at	343,3	P	0,01	403,9	P	0	0,31	1,24
1393106_x_at	556,9	P	0	693,9	P	0	0,31	1,24
1399004_at	440,5	P	0	467,5	P	0	0,31	1,24
1367894_at	627,3	P	0	790,3	P	0	0,3	1,23
1372746_at	331,1	P	0	386,1	P	0	0,3	1,23
1377831_at	1294,9	P	0	1614,9	P	0	0,3	1,23
1387175_a_at	229	P	0,05	263,6	P	0,02	0,3	1,23
1397500_x_at	4431,4	P	0	5291,2	P	0	0,3	1,23
1370321_at	299,5	P	0	313,2	P	0	0,29	1,22
1383508_at	373	P	0,01	587,5	P	0	0,29	1,22
1371985_a_at	370,7	P	0,02	490,7	P	0	0,28	1,21
1372438_at	214,8	P	0	257	P	0	0,28	1,21
1377942_at	1762,2	P	0	2000,5	P	0	0,28	1,21
1384138_at	1106,6	P	0	1214,3	P	0	0,28	1,21
1374443_at	356	P	0,02	419,8	P	0,01	0,27	1,21
1385061_at	1524,7	P	0	1962,6	P	0	0,27	1,21
1386897_at	700	P	0	784,7	P	0	0,27	1,21
1389754_at	563,3	P	0,01	600,3	P	0	0,27	1,21
1376721_at	377,1	P	0,03	482,8	P	0,01	0,26	1,2
1394318_at	1780,3	P	0	2132,7	P	0	0,26	1,2
1388953_at	371,9	P	0	458,7	P	0	0,25	1,19
1389728_at	237,3	P	0	328,5	P	0	0,25	1,19
1390819_at	3855,3	P	0	4837,8	P	0	0,25	1,19
1374921_at	316,6	P	0,01	364,9	P	0	0,24	1,18
1378623_at	1472,5	P	0,01	1678,6	P	0,01	0,24	1,18
1381019_x_at	837,8	P	0	1240,1	P	0	0,24	1,18
1390722_at	1028,5	P	0	1461,5	P	0	0,24	1,18
1398303_s_at	195,6	P	0,04	267,6	P	0,01	0,24	1,18
1376674_at	202,3	P	0	265,2	P	0	0,23	1,17
1379346_at	1447,2	P	0	1732,7	P	0	0,23	1,17
1386917_at	318,2	A	0,07	393	P	0,04	0,23	1,17
1389062_at	384,5	P	0	551,7	P	0	0,23	1,17
1386925_at	305,9	P	0,01	343,4	P	0	0,22	1,16
1388699_at	291,1	P	0	307,6	P	0	0,22	1,16
1371609_at	401,8	P	0	537	P	0	0,21	1,16

1389830_at	323,7	P	0,02	367,7	P	0	0,21	1,16
1372634_at	299,3	P	0,01	376	P	0	0,2	1,15
1370914_at	254,6	P	0	327,5	P	0	0,19	1,14
1384320_at	611,7	P	0	765,1	P	0	0,17	1,13
1372560_at	173,8	M	0,06	191,6	P	0,01	0,16	1,12
1389184_at	190,9	A	0,17	345,3	P	0,03	0,16	1,12
1390827_at	584,8	P	0	627,7	P	0	0,14	1,1
1367676_at	124,5	M	0,06	105	P	0	0,12	1,09
1381144_at	94,7	P	0,04	118,8	P	0	-0,02	1,01

Down-regulated genes

1394738_at	604,6	P	0	320,7	P	0,02	-0,2	1,15
1368114_at	3670,4	P	0	2181,4	P	0	-0,24	1,18
1372258_at	3679,4	P	0	2861,8	P	0	-0,27	1,21
1378269_at	1416,2	P	0	1217,3	P	0	-0,27	1,21
1382881_at	348,6	P	0	289,8	P	0,01	-0,27	1,21
1394445_at	667,3	P	0	430,6	P	0	-0,27	1,21
1384101_at	328	P	0	268,3	P	0	-0,28	1,21
1394585_at	623,4	P	0,01	464,5	P	0,01	-0,28	1,21
1368987_at	5132,1	P	0	3981,1	P	0	-0,29	1,22
1396765_at	163,8	P	0,02	147	A	0,1	-0,29	1,22
1370275_at	9199,3	P	0	7486,8	P	0	-0,3	1,23
1384895_at	1363,9	P	0	1094,2	P	0,01	-0,3	1,23
1388159_at	13268,1	P	0	10601,3	P	0	-0,3	1,23
1391906_at	1639,5	P	0	1399,7	P	0	-0,3	1,23
1398836_s_at	10565,3	P	0	7884	P	0	-0,3	1,23
1381988_at	1581,7	P	0	1281,5	P	0	-0,31	1,24
1367565_a_at	9752,6	P	0	7660,8	P	0	-0,32	1,25
1368097_a_at	8227,6	P	0	6709,1	P	0	-0,32	1,25
1369931_at	6456,1	P	0	5437,9	P	0	-0,32	1,25
1371319_at	7337,4	P	0	5748,2	P	0	-0,32	1,25
1376034_at	854	P	0	679,9	P	0	-0,33	1,26
1379578_at	951,9	P	0	632,2	P	0,01	-0,33	1,26
1387772_at	10994,4	P	0	8762,4	P	0	-0,33	1,26
1398240_at	8804,6	P	0	7156,1	P	0	-0,33	1,26

1398923_at	3415,9	P	0	2738,7	P	0	-0,33	1,26
1369897_s_at	9804,9	P	0	7905,2	P	0	-0,34	1,27
1370873_at	4721,8	P	0	3474,8	P	0	-0,34	1,27
1371571_at	8145,3	P	0	6418,9	P	0	-0,34	1,27
1386852_x_at	11292,2	P	0	8800,9	P	0	-0,34	1,27
1369023_at	425,1	P	0	326,5	P	0	-0,35	1,27
1370888_at	4754,7	P	0	3538,6	P	0	-0,35	1,27
1375340_at	13789,2	P	0	11139,1	P	0	-0,35	1,27
1375651_at	13740,5	P	0	10787,9	P	0	-0,35	1,27
1382785_at	1372,8	P	0	1067,6	P	0	-0,35	1,27
1388608_x_at	4673	P	0	3916,8	P	0	-0,35	1,27
1389927_at	630,9	P	0	592,7	P	0	-0,35	1,27
1367653_a_at	6964,7	P	0	5567,4	P	0	-0,36	1,28
1368292_at	8991,5	P	0	7094	P	0	-0,36	1,28
1397522_at	2915,2	P	0	2208,7	P	0	-0,36	1,28
1398350_at	6620,5	P	0	5325,3	P	0	-0,36	1,28
1367835_at	5646,1	P	0	4465	P	0	-0,37	1,29
1370079_at	162,3	P	0,02	90,2	P	0,05	-0,37	1,29
1370803_at	13106,1	P	0	9992,4	P	0	-0,37	1,29
1376749_at	398,2	P	0	317,8	P	0	-0,37	1,29
1377813_at	469,1	P	0,01	296,9	P	0,02	-0,37	1,29
1388409_at	1794,7	P	0	1427,2	P	0	-0,37	1,29
1392763_at	4103,8	P	0	3057	P	0	-0,37	1,29
1392948_at	1720,4	P	0	1390,8	P	0	-0,37	1,29
1367851_at	10871,5	P	0	8108,3	P	0	-0,38	1,3
1367882_at	4351,7	P	0	3316	P	0	-0,38	1,3
1368701_at	4168,2	P	0	3139,4	P	0	-0,38	1,3
1374394_at	3076,3	P	0	2082,3	P	0	-0,38	1,3
1380503_at	197,6	P	0	182,4	P	0,01	-0,38	1,3
1391648_at	73,2	P	0,04	88,3	A	0,1	-0,38	1,3
1396478_at	947,6	P	0	744,1	P	0	-0,38	1,3
1368883_at	1068,4	P	0	760	P	0	-0,39	1,31
1386891_at	6942,7	P	0	5411,3	P	0	-0,39	1,31
1391250_at	355,8	P	0,05	191,5	A	0,13	-0,39	1,31
1396852_at	1090,1	P	0	725,7	P	0,01	-0,39	1,31

1370500_a_at	6813	P	0	5276,7	P	0	-0,4	1,32
1374468_at	165,3	P	0	127,9	P	0,02	-0,4	1,32
1375495_at	294,9	P	0	208	P	0	-0,4	1,32
1387073_at	10121,5	P	0	7956,6	P	0	-0,4	1,32
1367799_at	7493,9	P	0	5692,4	P	0	-0,41	1,33
1367814_at	10115,6	P	0	7543,2	P	0	-0,41	1,33
1370229_at	10998,2	P	0	8320,5	P	0	-0,41	1,33
1388391_at	4694,6	P	0	3591	P	0	-0,41	1,33
1395401_at	1720,9	P	0	1210,5	P	0	-0,41	1,33
1367571_a_at	1833,2	P	0	1368,8	P	0	-0,42	1,34
1367579_a_at	13413,2	P	0	10384,3	P	0	-0,42	1,34
1371095_at	102,7	P	0,02	103,2	P	0,03	-0,42	1,34
1373374_at	4585	P	0	3346,4	P	0	-0,42	1,34
1375107_at	16122	P	0	12186,3	P	0	-0,42	1,34
1383509_at	242,3	P	0,02	191,7	P	0,04	-0,42	1,34
1387341_a_at	14702,7	P	0	10784,6	P	0	-0,42	1,34
1393593_at	198	P	0	161,7	P	0,02	-0,42	1,34
1397224_at	2378	P	0	2141,9	P	0	-0,42	1,34
1367553_x_at	5714,1	P	0	3995,7	P	0	-0,43	1,35
1368263_a_at	2913,7	P	0	2369,5	P	0	-0,43	1,35
1371077_at	101,8	P	0,05	55,4	A	0,15	-0,43	1,35
1374802_at	327	P	0,02	308,6	P	0,04	-0,43	1,35
1395556_at	503,4	P	0,02	451	P	0,02	-0,43	1,35
1398755_at	8468,1	P	0	6379,4	P	0	-0,43	1,35
1368138_at	2425,1	P	0	1887,9	P	0	-0,44	1,36
1370239_at	9753,4	P	0	7001,4	P	0	-0,44	1,36
1378152_at	1641,8	P	0	1593,6	P	0	-0,44	1,36
1380450_at	505,6	P	0	326	P	0,01	-0,44	1,36
1385787_at	568,8	P	0,01	370,1	P	0,02	-0,44	1,36
1388034_at	715	P	0	555,5	P	0	-0,44	1,36
1397005_at	375,7	P	0	293	P	0	-0,44	1,36
1368810_a_at	17778,5	P	0	12037,5	P	0	-0,45	1,37
1393237_at	317	P	0	277,5	P	0	-0,45	1,37
1370857_at	414,3	P	0	307,1	P	0	-0,46	1,38
1379123_at	1005,3	P	0	712,2	P	0	-0,46	1,38

1370853_at	3139,3	P	0	2252,1	P	0	-0,47	1,39
1376076_at	167,2	P	0,01	125,1	P	0,05	-0,47	1,39
1387058_at	156,3	P	0,02	114,7	P	0,05	-0,47	1,39
1388202_at	105,2	P	0	80	P	0,01	-0,47	1,39
1370240_x_at	10308,1	P	0	6796,6	P	0	-0,48	1,39
1367823_at	1046,6	P	0	650,3	P	0	-0,49	1,4
1383332_at	269,8	P	0	163,5	P	0,03	-0,49	1,4
1383595_at	3650,2	P	0	2637,1	P	0,01	-0,49	1,4
1384446_at	71,8	P	0	42,3	P	0,02	-0,49	1,4
1389721_at	97	P	0,01	60,2	A	0,17	-0,49	1,4
1367598_at	13546,9	P	0	9069,4	P	0	-0,5	1,41
1375593_at	199,8	P	0,04	181,8	P	0,02	-0,5	1,41
1376944_at	105,5	P	0,01	64,2	P	0,04	-0,5	1,41
1377073_at	192,4	P	0,01	127,3	P	0,01	-0,5	1,41
1379238_at	248,9	P	0,01	180,8	P	0	-0,5	1,41
1383072_at	555	P	0	464,7	P	0	-0,5	1,41
1385511_at	631	P	0,02	524,7	M	0,06	-0,5	1,41
1388452_at	3883	P	0	3013,7	P	0	-0,5	1,41
1389693_at	139,1	P	0,02	83,8	P	0,04	-0,5	1,41
1393417_at	118,6	P	0	103,1	P	0,02	-0,5	1,41
1370026_at	1318,2	P	0	975,1	P	0	-0,51	1,42
1370836_at	336,3	P	0,02	183,1	P	0,04	-0,52	1,43
1386039_x_at	90,5	P	0	55	M	0,06	-0,52	1,43
1369999_a_at	7288,8	P	0	4973,4	P	0	-0,53	1,44
1369709_at	92	P	0,05	67,1	A	0,22	-0,54	1,45
1386395_at	209,5	P	0,04	128,6	M	0,06	-0,54	1,45
1367810_at	832,8	P	0,01	498,8	P	0,02	-0,55	1,46
1370988_at	400,7	P	0,02	247,2	P	0,01	-0,55	1,46
1373990_at	122	P	0,01	71,1	P	0,02	-0,55	1,46
1370513_at	122,8	P	0,02	106,9	M	0,06	-0,56	1,47
1377174_at	863,5	P	0	616,9	P	0	-0,56	1,47
1390322_at	56,2	P	0,02	35,7	A	0,11	-0,56	1,47
1396057_at	1982,5	P	0	1382,7	P	0	-0,57	1,48
1397737_at	402,3	P	0,01	253,6	P	0,02	-0,57	1,48
1370216_at	615,9	P	0	423,5	P	0	-0,58	1,49

1390776_at	103,4	P	0,01	79,4	A	0,1	-0,58	1,49
1393254_at	258,5	P	0	159,1	P	0,02	-0,58	1,49
1384293_at	349,6	P	0	338,2	P	0,02	-0,6	1,52
1397489_at	170,6	P	0,05	132,6	A	0,08	-0,6	1,52
1369469_s_at	117,3	P	0,02	78,9	A	0,1	-0,61	1,53
1372426_at	198,5	P	0,04	128,4	A	0,07	-0,61	1,53
1377410_at	79,2	P	0,02	44,2	A	0,17	-0,61	1,53
1374870_at	662,6	P	0	379,9	P	0	-0,62	1,54
1374449_at	214,9	P	0,01	90,6	P	0,03	-0,63	1,55
1369260_a_at	78,1	P	0,01	56,1	P	0,04	-0,64	1,56
1374986_x_at	2136,6	P	0,03	1079,9	P	0,01	-0,64	1,56
1391271_at	672,4	P	0,03	414,4	A	0,13	-0,67	1,59
1397604_at	1001,6	P	0,01	638,1	P	0,01	-0,7	1,62
1388271_at	2348	P	0	1588,3	P	0	-0,71	1,64
1371756_at	90,6	P	0,02	59,3	P	0,01	-0,73	1,66
1379924_at	333,8	P	0,03	183,1	A	0,17	-0,75	1,68
1370145_at	78,7	P	0,01	64,8	P	0,02	-0,76	1,69
1396475_at	99,2	P	0	68,5	P	0,03	-0,77	1,71
1398177_at	257	P	0,01	230,2	A	0,07	-0,78	1,72
1386143_at	98,2	P	0,01	36,7	A	0,13	-0,79	1,73
1369659_at	302,8	P	0,01	144,9	A	0,1	-0,82	1,77
1389501_at	249,7	P	0,03	135,4	A	0,07	-0,82	1,77
1398282_at	83,5	P	0,03	25,5	A	0,13	-0,95	1,93
1375288_at	244,5	P	0,01	125,4	A	0,08	-0,98	1,97
1369750_at	100,4	P	0	63,8	P	0,01	-0,99	1,99
1381514_at	84,3	P	0,01	46,2	M	0,06	-1,08	2,11
1369481_at	96,6	P	0,04	47,7	P	0,05	-1,09	2,13
1370019_at	540,7	P	0	336,6	P	0	-1,11	2,16
1389712_at	68,7	P	0,05	27,9	A	0,27	-1,17	2,25
1387197_at	103,5	P	0,02	58,8	M	0,06	-1,22	2,33
1392592_at	63,9	P	0,04	28,5	A	0,33	-1,27	2,41
1376019_at	44,2	P	0,02	18,8	A	0,15	-1,38	2,6
1386218_at	38,7	P	0	13,9	A	0,15	-1,92	3,78
1369399_at	77,1	P	0,02	19,6	A	0,3	-1,96	3,89
1380644_at	94,1	P	0,02	17,1	A	0,6	-2,19	4,56



1389932_at	66,4	P	0,05	9,1	A	0,7	-2,39	5,24
------------	------	---	------	-----	---	-----	-------	------

_0							
Change	Change p-value	Gene Title	Gene Symbol	Biological Process Descriptio	Molecular Function Descriptio	Cellular Component Descriptio	Pathway
I	0	Rattus norvegicus tran					
I	0						
I	0	Rattus norvegicus tran					
I	0	Rattus norvegicus tran					
I	0	Rattus norvegicus tran					
I	0	Rattus norvegicus tran					
I	0	Rattus norvegicus tran					
I	0	transgelin	Tagln	muscle de			
I	0	Rattus norvegicus tran					
MI	0,01	Rattus norvegicus sim					
I	0	RAB3C, member RAS	Rab3c	intracellular	small mon		
I	0	Rattus norvegicus sim					
I	0						
I	0	Rattus norvegicus tran					
I	0	scavenger receptor cl	Scarb1	CD36;cell			
I	0	Rattus norvegicus LO					
I	0	homer, neuronal imme	Homer1				
I	0	Rattus norvegicus sim					
MI	0,01	scaffolding protein SL	Slipr				
I	0	Rattus norvegicus tran					
I	0	Rattus norvegicus tran					
MI	0	Rattus norvegicus sim					
I	0	camello-like 3	Cml3				
I	0	serum-inducible kinas	Snk		pkinese;pr		
I	0	nuclear receptor subfa	Nr1d2	regulation	DNA bindin	nucleus	Nuclear_R
I	0	Rattus norvegicus tran					
I	0	Rattus norvegicus sim					
I	0	dihydropyrimidinase-li	Dpys4		hydrolase		
MI	0,01	Rattus norvegicus tran					

I	0	adenylate cyclase 5	Adcy5	cAMP bios	magnesium	integral to	G_Protein
I	0	ubiquitin-conjugating e	Ube2d2	protein mo	ubiquitin co	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	D site albumin promot	Dbp	regulation	DNA bindin	nucleus	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	arginine vasopressin	Avp	regulation	hormone a	extracellu	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	phosphodiesterase 10	Pde10a	signal tran	catalytic ac	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
MI	0,01	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	flavoheprotein b5+	b5&b5R	---	NADPH-he	---	---
I	0	Rattus norvegicus hyp	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
MI	0	Rattus norvegicus tra	---	---	---	---	---
MI	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	solute carrier family 4	Slc4a3	transport //	inorganic a	membrane	---
I	0	Rattus norvegicus tra	---	---	---	---	---
MI	0,01	Rattus norvegicus sim	---	---	---	---	---
I	0	branched chain keto a	Bckdk	signal tran	two-comp	mitochond	---
MI	0,01	Rattus norvegicus sim	---	---	---	---	---
I	0	ADP-ribosylation fact	Arl1	small GTP	small mon	Golgi trans	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---

I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	growth response prote	LOC64194	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
MI	0,01	monoamine oxidase A	Maoa	electron tra	amine oxid	mitochond	---
I	0	HLA-B-associated tra	Bat3	regulation	---	cytoplasm	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	programmed cell deat	Pdcd8	DNA fragm	pyr_redox;	nucleus ///	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	potassium channel su	Slack	---	ion_trans;i	---	---
MI	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	heterogeneous nuclea	Hrmt112	RNA proc	emethyltran	nucleus ///	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
MI	0,01	cyclic AMP phosphop	Arpp19	dopamine	---	---	---
MI	0,01	nucleostemin	Ns	cell prolifer	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
I	0	Rattus norvegicus tra	---	---	---	---	---
MI	0	---	---	---	---	---	---
I	0	tropomyosin isoform 6	LOC28689	---	---	---	---
MI	0,01	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Pyruvate carboxylase	Pc	gluconeog	catalytic ac	cytoplasm	Alanine-As
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	actin related protein 2	Arpc1b	---	---	Arp2/3 pro	---
I	0	similar to mannosidas	MGC72561	---	---	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---

I	0	transcription factor UETcfubf		regulation	DNA binding	nucleus ///	---
I	0	Rat PMSG-induced ov	---	---	---	---	---
I	0	p65 protein	P65	---	thyroid hor	---	---
I	0	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tran	---	---	---	---	---
MI	0,01	Rattus norvegicus sim	---	---	---	---	---
I	0	Rattus norvegicus tran	---	---	---	---	---
I	0	high mobility group bo	Hmgb2	regulation	DNA binding	chromatin	---
MI	0,01	Rattus norvegicus sim	---	---	---	---	---

MD	1	Rattus norvegicus tran	---	---	---	---	---
MD	1	fibroblast growth facto	Fgf13	---	FGF;growt	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
MD	0,99	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
MD	0,99	---	---	---	---	---	---
MD	1	Rattus norvegicus tran	---	---	---	---	---
D	1	solute carrier family 1	Slc17a7	---	sugar_tr;tr	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
MD	1	ATP synthase, H+ tra	Atp5b	ATP biosyn	nucleotide	mitochond	Electron_T
D	1	Rattus norvegicus sim	---	---	---	---	---
MD	0,99	---	---	---	---	---	---
MD	1	kinesin family membe	Kif1b	microtubul	motor activ	mitochond	---
D	1	actin, beta	Actb	cell motility	motor activ	cytoskeletc	---
D	1	heterotrimeric guanine	Gnaq	signal tran	signal tran	---	G_Protein
D	1	ferritin, heavy polypep	Fth1	iron ion tra	binding ///	---	---
D	1	reticulon 1	Rtn1	---	---	endoplasm	---
D	1	pyruvate kinase, musc	Pkm2	glycolysis	magnesiur	---	Glycolysis
MD	0,99	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	calmodulin 1	Calm1	G-protein c	calcium ion	cytoplasm	G13_Signa
D	1	heat shock protein 8	Hspa8	response t	heat shock	---	---

D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	GNAS complex locus	Gnas	energy res	heterotrimer	membrane	G_Protein
MD	1	calmodulin 3	Calm3	cell cycle /	calcium ion	cytoplasm	G13_Signa
D	1	amyloid beta (A4) pre	App	endocytosis	serine-type	coated pit	---
D	1	polyubiquitin	Loc192255	---	---	---	---
D	1	mitochondrial interme	Mipep	proteolysis	magnesium	mitochond	---
D	1	cytochrome c oxidase	Cox5a	electron tra	cytochrom	mitochond	Electron_T
D	1	---	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	hemoglobin, alpha 1	Hba1	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	malate dehydrogenase	Mdh1	---	malate de	---	Glycolysis
D	1	dynamamin 1	Dnm1	endocytosis	motor activ	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	brain acidic membran	Basp1	---	calmodulin	membrane	---
D	1	proprotein convertase	Pcsk1n	---	---	---	---
D	1	Rhesus blood group	Rh	---	Ammonium	---	---
D	1	SNAP25 interacting p	Sip30	---	---	---	---
MD	0,99	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	prostaglandin D2 synt	Ptgds	prostaglan	prostaglan	extracellul	Eicosanoic
D	1	microtubule-associate	Mtap1a	microtubul	actin bindi	microtubul	---
D	1	ATPase, Na <sup>+</sup> /K <sup>+</sup> trans	Atp1a3	cation tran	magnesium	membrane	---
D	1	WW domain binding p	Wbp2	---	---	---	---
D	1	Rattus norvegicus hyp	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	NOV protein	Nov	---	growth fac	---	---
D	1	phosphatidylethanolam	Pbp	---	serine-type	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---

D	1	myelin-associated olig	Mobp	neurogene	structural c	---	---
D	1	myeloid differentiation	Myd88	---	---	---	---
MD	1	Rattus norvegicus tra	---	---	---	---	---
D	1	synaptosomal-associa	Snap25	neurotrans	---	kinesin cor	---
D	1	statin-like	Stnl	---	GTP_EFT	---	Translatior
D	1	ATPase Na+/K+ trans	Atp1b1	response t	sodium/po	membrane	---
D	1	development-related p	AF045564	Ndr;cell dif	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	insulin-like growth fact	Igf2	regulation	hormone a	extracellul	---
D	1	Rattus norvegicus sim	---	---	---	---	---
MD	0,99	kinesin-related protein	Krp3	spermatid	---	male germ	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	myelin basic protein	Mbp	---	structural r	---	MAPK_Ca
D	1	Rattus norvegicus sim	---	---	---	---	---
MD	0,99	ATPase, Ca++ transp	Atp2b1	cation tran	magnesium	membrane	---
D	1	hemoglobin beta chain	Hbb	transport //	oxygen tra	hemoglobi	---
D	1	myelin-associated olig	Mobp	neurogene	structural c	---	---
MD	0,99	5-hydroxytryptamine (H	Htr3b	transport //	receptor a	extracellul	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	ATPase, H+ transport	Atp6l	ATP-synt	---	---	---
D	1	microtubule-associate	Mapt	microtubul	---	cytoskelet	---
D	1	Rattus norvegicus sim	---	globin;oxy	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
MD	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	---	---	---	kinesin;mo	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	myelin basic protein	Mbp	---	structural r	---	MAPK_Ca
D	1	---	---	---	---	---	---
MD	1	smooth muscle alpha-	Acta2	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---

D	1	CaM-kinase II inhibitor	LOC28700	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
MD	0,99	phosphatidylcholine tr	Pctp	transport //lipid bindin	---	---	---
MD	0,99	RT1 class Ib gene(Aw	RT1Aw2	MHC_I;imr	---	---	---
D	1	Rattus norvegicus sim	---	globin;oxygen	---	---	---
D	1	Rattus norvegicus tran	---	---	TIMP;meta	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	transthyretin	Ttr	thyroid hor	carrier acti	extracellula	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
MD	0,99	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	muscle glycogen phos	Pygm	carbohydrac	catalytic ac	---	Glycogen
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus hyp	---	---	---	---	---
D	1	crystallin, alpha B	Cryab	sensory or	heat shock	cytoplasm	---
D	1	kallistatin	LOC24632	---	serpin;seri	---	---
D	1	---	---	---	---	---	---
D	1	neuronatin	Nnat	developme	---	---	---
D	1	spinocerebellar ataxia	Sca1	---	RNA bindin	nucleus	---
D	1	---	---	---	---	---	---
D	1	choline transporter	CHOT1	creatine tra	creatine tra	---	---
MD	0,99	---	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	tropomyosin 1, alpha	Tpm1	muscle con	actin bindin	cytoskeletc	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	Rattus norvegicus tran	---	---	---	---	---
D	1	discoidin domain rece	Ddr1	protein am	protein kin	extracellula	---



MD	0,99	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
MD	0,99	Rattus norvegicus tra	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
MD	1	Rattus norvegicus tra	---	---	---	---	---
D	1	collagen, type XXVII, Col27a1	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	membrane protein, paMpp4	PDZ;intrac	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus ultr	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
MD	1	zinc finger protein 354Znf354c	regulation	nucleic aci	intracellula	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	glycoprotein hormoneCga	---	hormone6;	---	---	---
D	1	---	---	---	---	---	---
D	1	kynureninase (L-kynuKynu	---	hydrolase	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	thyroid stimulating horTshb	---	hormone a	extracellula	---	---
D	1	---	---	---	---	---	---
MD	0,99	tumor necrosis factor	Tnfsf4	T-cell proli	TNF;tumor	---	---
D	1	sulfotransferase family	Sult1a1	steroid me	aryl sulfotr	---	Sulfur meta
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	osteomodulin (osteoalOmd	---	heparin su	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	Rattus norvegicus sim	---	---	---	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---
D	1	membrane-spanning 4Ms4a2	---	receptor a	integral to	---	---
D	1	Rattus norvegicus tra	---	---	---	---	---

D	1	Rattus norvegicus tra	---	---	---	---	---
---	---	-----------------------	-----	-----	-----	-----	-----