

R2 vs R1. Fold change >1.

Probe Set ID	R1			R2			R2_1	Fold Change
	Signal	Detection	Detection p-value	Signal	Detection	Detection p-value	Signal Log Ratio	
Up-regulated genes								
1387902_a_at	3,4	A	0,99	5393,3	P	0	10,19	1168,1
1388272_at	4,7	A	0,73	3742,4	P	0	8,87	467,9
1371209_at	3	A	0,9	1009,3	P	0	8,27	308,7
1381556_at	4,2	A	0,6	645,2	P	0	7,71	209,4
1376845_at	27,8	A	0,81	2617,9	P	0	6,07	67,2
1388149_at	3,3	A	0,85	281,5	P	0,01	5,96	62,2
1370090_at	2	A	0,85	122,7	P	0	5,78	54,9
1379633_a_at	7,7	A	0,93	415,4	P	0,05	5,35	40,8
1393219_at	85,7	A	0,57	3412	P	0	5,28	38,9
1387839_at	5,8	A	0,67	232,5	P	0	5	32,0
1368000_at	116,6	M	0,06	3853,8	P	0	4,98	31,6
1388255_x_at	21,2	A	0,19	1195,6	P	0	4,96	31,1
1398390_at	54,8	A	0,13	1493,9	P	0	4,92	30,3
1371210_s_at	30	A	0,25	758,6	P	0	4,77	27,3
1382314_at	267,8	A	0,3	6496,4	P	0	4,71	26,2
1370913_at	91,7	A	0,5	1782	P	0	4,43	21,6
1371447_at	77,2	A	0,13	1587,7	P	0	4,37	20,7
1373514_at	17,7	A	0,5	673,3	P	0	4,37	20,7
1371015_at	74,4	P	0	1123,7	P	0	4,32	20,0
1369852_at	2,4	A	0,78	205,9	P	0,01	4,31	19,8
1367679_at	200,6	P	0,02	3505,8	P	0	4,18	18,1
1379285_at	248,8	A	0,22	3642,8	P	0	4,15	17,8
1370394_at	59,9	A	0,6	869,6	P	0	4,14	17,6
1387134_at	60,6	A	0,19	1383,2	P	0	4,1	17,1
1370603_a_at	9,5	A	0,7	167,1	P	0	4,05	16,6
1388046_at	15,7	A	0,67	297,3	P	0,01	4,05	16,6
1383163_at	98,9	A	0,27	2240,8	P	0	3,99	15,9

1385277_x_at	47,1	A	0,7	884,2	P	0,03	3,96	15,6
1389034_at	102,5	A	0,1	1844	P	0	3,94	15,3
1373932_at	4,4	A	0,6	105,9	P	0	3,93	15,2
1368332_at	41,2	M	0,06	798,1	P	0	3,92	15,1
1370883_at	180,6	P	0	2318,8	P	0	3,89	14,8
1370822_at	81,6	A	0,4	915,7	P	0	3,84	14,3
1385276_a_at	18,9	A	0,1	215,8	P	0	3,74	13,4
1374718_at	31,8	A	0,22	490,8	P	0	3,73	13,3
1392637_at	123,3	A	0,11	1484,9	P	0	3,71	13,1
1371033_at	87,2	A	0,17	1074,1	P	0	3,63	12,4
1376908_at	77,2	A	0,17	866	P	0	3,6	12,1
1370892_at	155,3	A	0,11	2178,8	P	0	3,59	12,0
1370967_at	50,5	A	0,4	768,8	P	0	3,53	11,6
1379568_at	259,6	M	0,06	2491,9	P	0	3,49	11,2
1383564_at	142,8	P	0	1924,4	P	0	3,45	10,9
1381129_at	12,2	A	0,57	140,1	P	0,05	3,39	10,5
1382534_at	7,2	A	0,22	73,9	P	0,01	3,37	10,3
1378043_at	105,6	A	0,4	1082,2	P	0,01	3,36	10,3
1375469_at	12,9	A	0,57	143	P	0,04	3,31	9,9
1377950_at	100,8	A	0,1	826,3	P	0	3,27	9,6
1384180_at	235,4	P	0	3206,6	P	0	3,27	9,6
1371262_at	153,1	A	0,19	1641,5	P	0	3,25	9,5
1370383_s_at	78,9	A	0,13	833,2	P	0	3,22	9,3
1385571_at	142,3	A	0,5	1514,9	P	0,01	3,19	9,1
1387354_at	193,2	P	0	1974,5	P	0	3,19	9,1
1387946_at	208,8	P	0,02	1640	P	0	3,16	8,9
1388212_a_at	156,6	A	0,07	1343,6	P	0	3,09	8,5
1379496_at	30	A	0,75	608,1	P	0,04	3,08	8,5
1392033_a_at	8,9	A	0,37	130,9	P	0,02	3,06	8,3
1371152_a_at	81,9	A	0,27	706,4	P	0	3,04	8,2
1387283_at	54,2	P	0	631,4	P	0	2,99	7,9
1375595_at	11,1	A	0,33	89,8	P	0,02	2,97	7,8
1372604_at	78	A	0,08	502,5	P	0	2,89	7,4
1374334_at	75,2	A	0,19	734,8	P	0	2,89	7,4
1383392_at	257,7	A	0,43	2661,4	P	0,01	2,85	7,2

1375010_at	96,9	A	0,43	893,4	P	0	2,83	7,1
1376151_a_at	122,8	P	0	1011,1	P	0	2,82	7,1
1379748_at	292,7	P	0,02	1570,3	P	0	2,8	7,0
1371078_at	80,5	A	0,4	646,9	P	0	2,75	6,7
1388511_at	47,2	A	0,27	294,1	P	0,05	2,72	6,6
1370215_at	302,1	P	0	2064,2	P	0	2,71	6,5
1381014_at	214,6	A	0,11	1920,5	P	0	2,71	6,5
1373523_at	126,4	A	0,19	925,9	P	0	2,7	6,5
1368835_at	368,1	P	0	2740,6	P	0	2,68	6,4
1384208_at	196	P	0,05	1887,1	P	0	2,67	6,4
1373992_at	69,9	P	0,01	434,1	P	0	2,65	6,3
1387969_at	64	A	0,11	715,5	P	0	2,64	6,2
1391463_at	152,3	P	0	1304,9	P	0	2,64	6,2
1379613_at	159,5	A	0,17	1049,9	P	0	2,62	6,1
1378443_at	409,1	A	0,3	1787,3	P	0,01	2,61	6,1
1373025_at	389,4	P	0	2106,8	P	0	2,6	6,1
1388164_at	99,3	A	0,47	566,9	P	0,01	2,53	5,8
1382546_at	149,5	A	0,3	1085,7	P	0	2,52	5,7
1370972_x_at	173,7	A	0,37	783,1	P	0,01	2,49	5,6
1381228_at	272,2	P	0	1628,1	P	0	2,48	5,6
1376652_at	684,5	P	0	4566,3	P	0	2,47	5,5
1383448_at	477,8	P	0	2297,5	P	0	2,46	5,5
1370186_at	70,9	A	0,3	519,5	P	0	2,45	5,5
1388071_x_at	1499,5	P	0	5519,6	P	0	2,43	5,4
1387770_at	1374,6	P	0	7309,8	P	0	2,42	5,4
1388213_a_at	160,7	P	0,02	677,5	P	0	2,42	5,4
1397304_at	187,8	P	0	1144,4	P	0	2,42	5,4
1387242_at	52,4	P	0,05	318,7	P	0	2,36	5,1
1384170_at	11,8	A	0,67	75,3	P	0,03	2,35	5,1
1377916_at	196,5	A	0,3	903,7	P	0	2,32	5,0
1369330_at	65,9	A	0,08	343,7	P	0	2,31	5,0
1370429_at	53,1	A	0,3	200	P	0	2,31	5,0
1372585_at	427,5	P	0	2637,3	P	0	2,31	5,0
1383391_a_at	346,7	M	0,06	1679	P	0	2,31	5,0
1387995_a_at	513	P	0	2152,1	P	0	2,3	4,9

1394352_at	95,9	A	0,43	777,5	P	0,03	2,29	4,9
1379691_at	54,6	A	0,47	259,1	P	0,04	2,28	4,9
1376693_at	190,6	P	0,01	983,7	P	0	2,26	4,8
1367975_at	45,4	A	0,3	242,9	P	0,02	2,24	4,7
1370377_at	16,5	A	0,57	61,5	P	0,02	2,24	4,7
1382692_at	107,9	M	0,06	615,7	P	0	2,24	4,7
1385051_at	59,1	A	0,11	368,1	P	0	2,24	4,7
1370885_at	198,3	P	0	850	P	0	2,23	4,7
1374730_at	164,6	P	0,02	631,3	P	0	2,23	4,7
1380079_at	202,9	P	0,03	1573,8	P	0	2,23	4,7
1390798_at	65,8	A	0,15	162,6	P	0	2,23	4,7
1370082_at	30,3	A	0,67	195,7	P	0,03	2,22	4,7
1375006_at	75,6	A	0,3	440,9	P	0	2,22	4,7
1367786_at	146,1	A	0,13	778,6	P	0	2,2	4,6
1372097_at	89,4	P	0,01	484,5	P	0	2,2	4,6
1381311_at	148,4	P	0	705,4	P	0	2,19	4,6
1393108_at	456,9	P	0	3435,7	P	0	2,19	4,6
1374627_at	137,6	P	0,02	696,3	P	0	2,18	4,5
1372254_at	171,2	A	0,11	800	P	0,01	2,15	4,4
1372757_at	420,6	P	0,03	1761,2	P	0	2,15	4,4
1373037_at	102,3	A	0,15	485,7	P	0	2,15	4,4
1379818_at	31,3	A	0,37	272,7	P	0,04	2,15	4,4
1377908_at	326,8	P	0	1653,7	P	0	2,14	4,4
1370080_at	135,5	P	0,05	758,2	P	0	2,13	4,4
1388694_at	210,3	A	0,22	684,5	P	0	2,13	4,4
1369427_at	116,9	A	0,11	759,9	P	0	2,11	4,3
1371237_a_at	266,9	P	0	1492,1	P	0	2,11	4,3
1377826_at	91,1	P	0,01	551,3	P	0	2,11	4,3
1390687_at	102,8	A	0,37	445,5	P	0,01	2,1	4,3
1368558_s_at	135,6	P	0	684,7	P	0	2,08	4,2
1389470_at	119,3	A	0,07	538,1	P	0	2,08	4,2
1391754_at	155,2	P	0,02	1534	P	0	2,07	4,2
1382950_at	152,6	P	0,01	601,8	P	0	2,06	4,2
1397490_at	42,1	A	0,6	231,5	P	0,04	2,06	4,2
1371070_at	51,7	A	0,22	345	P	0	2,05	4,1

1396163_at	224,3	A	0,22	857,4	P	0	2,05	4,1
1371123_x_at	149,4	P	0,01	1166,4	P	0	2,04	4,1
1388203_x_at	108,7	P	0,01	397,4	P	0,01	2,03	4,1
1373575_at	796,7	P	0	3070,6	P	0	2,02	4,1
1388880_at	111	P	0,03	406,2	P	0	2,02	4,1
1389851_at	43,8	A	0,27	178,1	P	0,01	2,02	4,1
1395003_at	42,5	A	0,33	287,7	P	0	2,02	4,1
1389210_at	170,8	P	0	598,2	P	0	2,01	4,0
1395480_at	29,7	A	0,4	39,3	P	0,01	2,01	4,0
1371440_at	936,4	P	0	3964,2	P	0	2	4,0
1368419_at	52,8	A	0,17	131,8	P	0	1,96	3,9
1386879_at	108,1	A	0,08	565,2	P	0	1,96	3,9
1376150_at	60,2	A	0,27	371,6	P	0,03	1,94	3,8
1376056_at	51,5	P	0	304,7	P	0	1,92	3,8
1372064_at	99	A	0,3	376,3	P	0,02	1,91	3,8
1380071_at	239,2	A	0,07	1102,7	P	0	1,91	3,8
1373785_at	203,8	A	0,1	391,3	P	0	1,9	3,7
1389006_at	665,5	P	0,01	2177,5	P	0	1,9	3,7
1375228_at	54,9	A	0,53	201	P	0,03	1,89	3,7
1372112_at	125,1	P	0,05	509,3	P	0,01	1,86	3,6
1376390_at	15,1	A	0,47	51,8	P	0,03	1,86	3,6
1382902_at	51,5	A	0,07	256,2	P	0,01	1,86	3,6
1390738_at	292,1	P	0,02	998,2	P	0	1,86	3,6
1395538_at	30,4	A	0,43	119,6	P	0,02	1,86	3,6
1370728_at	17,6	A	0,4	121,7	P	0	1,85	3,6
1375211_at	533,2	P	0	2150,8	P	0	1,85	3,6
1387027_a_at	220,6	P	0	766,4	P	0	1,85	3,6
1394940_at	379,8	P	0	1313,5	P	0	1,85	3,6
1369483_at	213,5	A	0,25	777,4	P	0	1,84	3,6
1372930_at	128,4	P	0,03	437,4	P	0	1,83	3,6
1376144_at	124,5	P	0,05	655,5	P	0	1,83	3,6
1367974_at	859,9	P	0	2743,7	P	0	1,81	3,5
1389553_at	49	P	0,02	237,6	P	0	1,78	3,4
1374367_at	57,7	A	0,19	166,5	P	0,01	1,77	3,4
1378150_at	177,1	A	0,33	624,4	P	0,01	1,77	3,4

1394673_at	349,1	P	0	958,2	P	0	1,76	3,4
1383772_at	124,9	A	0,3	358,1	P	0,02	1,75	3,4
1396755_at	65,8	A	0,22	248,8	P	0	1,75	3,4
1377385_at	130,7	A	0,19	242,9	P	0,02	1,74	3,3
1391489_at	399,3	P	0,01	1668,3	P	0	1,74	3,3
1388202_at	80	P	0,01	301,7	P	0	1,73	3,3
1393832_at	65,8	A	0,3	271,8	P	0,05	1,73	3,3
1374731_at	145,5	P	0,01	747,1	P	0	1,7	3,2
1385252_at	381,4	P	0	1488,8	P	0	1,69	3,2
1377671_at	439,8	P	0,01	1291,8	P	0	1,68	3,2
1382043_at	406,9	A	0,13	1645	P	0,01	1,68	3,2
1386893_at	771,6	P	0	2433,2	P	0	1,68	3,2
1387818_at	112,7	A	0,17	361,9	P	0,02	1,68	3,2
1367581_a_at	145,2	A	0,25	538,4	P	0	1,65	3,1
1368948_at	60,1	P	0,02	242,8	P	0	1,65	3,1
1373197_at	226,6	P	0	556	P	0	1,65	3,1
1379357_at	34,1	A	0,11	136,7	P	0	1,65	3,1
1393144_at	195,4	A	0,3	629,7	P	0	1,65	3,1
1379101_at	89,2	P	0	330,6	P	0	1,64	3,1
1379344_at	72,2	A	0,07	483,4	P	0	1,64	3,1
1379957_at	211,2	A	0,13	393,6	P	0	1,64	3,1
1379365_at	141	A	0,3	618,9	P	0,01	1,62	3,1
1383241_at	114	A	0,11	433,5	P	0	1,61	3,1
1369716_s_at	159,3	A	0,33	544,4	P	0,02	1,6	3,0
1373670_at	101,9	A	0,22	755,7	P	0,04	1,6	3,0
1376029_at	122,9	A	0,15	346,8	P	0	1,59	3,0
1384946_at	62,1	M	0,06	221,4	P	0	1,58	3,0
1369382_at	35,5	A	0,5	170,1	P	0,02	1,57	3,0
1372726_at	252,3	P	0	724	P	0	1,57	3,0
1367663_at	452,2	P	0	1686,4	P	0	1,56	2,9
1376920_at	77,6	M	0,06	227,5	P	0	1,56	2,9
1397214_at	184,7	A	0,53	499,9	P	0,01	1,56	2,9
1367577_at	152,5	A	0,3	448,9	P	0,01	1,55	2,9
1369110_x_at	123,8	A	0,1	456,6	P	0	1,55	2,9
1379530_at	26,1	A	0,4	95,6	P	0,02	1,55	2,9

1379598_at	62,4	A	0,3	182,3	P	0,05	1,55	2,9
1377497_at	135	P	0,04	358,2	P	0	1,54	2,9
1374551_at	135,8	A	0,07	328,2	P	0	1,52	2,9
1389571_at	383,6	P	0	834,8	P	0	1,51	2,8
1374113_at	47,2	A	0,6	152,5	P	0,03	1,49	2,8
1381173_at	124,4	A	0,17	254,8	P	0	1,49	2,8
1386277_at	461,1	M	0,06	1386,4	P	0	1,49	2,8
1393249_at	139,7	A	0,11	355,8	P	0,01	1,49	2,8
1368679_a_at	147,6	P	0	385,2	P	0	1,48	2,8
1377835_at	179,4	A	0,4	389,2	P	0,03	1,48	2,8
1368187_at	216,5	A	0,08	458,3	P	0	1,47	2,8
1372034_at	222,9	P	0	721,6	P	0	1,47	2,8
1369794_a_at	121,6	P	0	312,4	P	0	1,46	2,8
1395012_at	47,9	A	0,19	122	P	0	1,46	2,8
1371079_at	32,4	A	0,37	132,3	P	0,01	1,45	2,7
1392655_at	202,7	A	0,17	586,4	P	0,01	1,45	2,7
1376046_at	13,5	A	0,63	43,6	P	0,01	1,44	2,7
1393280_at	92,1	A	0,3	346,1	P	0,01	1,43	2,7
1379103_at	43,5	P	0,05	111,1	P	0,03	1,42	2,7
1387413_at	39,3	A	0,27	242,5	P	0	1,42	2,7
1372016_at	62	A	0,11	153,4	P	0,01	1,4	2,6
1382274_at	399	M	0,06	1077,3	P	0	1,4	2,6
1390249_at	40,5	A	0,37	113,4	P	0,04	1,39	2,6
1393044_at	486,9	A	0,1	1169,7	P	0	1,39	2,6
1368006_at	445,7	P	0	884,5	P	0	1,38	2,6
1371119_at	208,5	A	0,11	698,5	P	0,01	1,38	2,6
1375444_at	190,3	A	0,1	529,6	P	0,01	1,38	2,6
1392665_at	56,6	A	0,4	223,2	P	0,02	1,38	2,6
1382040_at	339,1	P	0	789,8	P	0	1,37	2,6
1385439_x_at	94	A	0,15	630,5	P	0,01	1,37	2,6
1395695_at	449,5	P	0	1332,2	P	0	1,37	2,6
1397778_at	9,5	A	0,7	28,6	P	0,04	1,37	2,6
1371072_at	37,6	A	0,43	70,1	P	0,02	1,36	2,6
1377906_at	68,6	A	0,3	243	P	0,03	1,36	2,6
1390340_a_at	127,7	A	0,19	273,9	P	0,01	1,36	2,6

1371167_at	68,2	A	0,19	210	P	0,02	1,35	2,5
1390042_at	39	A	0,27	126	P	0,02	1,35	2,5
1368418_a_at	114,1	A	0,3	350,3	P	0,01	1,34	2,5
1383424_at	860,4	P	0,02	2499,5	P	0	1,34	2,5
1387893_at	124	P	0,01	398,6	P	0	1,34	2,5
1390507_at	65,6	P	0,05	129	P	0,01	1,34	2,5
1371173_a_at	41,4	A	0,37	90,4	P	0,05	1,33	2,5
1374976_a_at	56,2	P	0,02	194,7	P	0	1,33	2,5
1381878_at	31,6	A	0,3	97	P	0,01	1,33	2,5
1392842_at	313,4	P	0,01	779,6	P	0	1,33	2,5
1397604_at	638,1	P	0,01	1653,7	P	0	1,33	2,5
1370056_at	94,8	A	0,17	279,4	P	0,01	1,32	2,5
1384127_at	360,8	P	0,01	1000,4	P	0	1,32	2,5
1397411_at	207	A	0,1	379,6	P	0	1,32	2,5
1369262_at	29,3	A	0,67	82,9	P	0,01	1,31	2,5
1383519_at	119,5	A	0,19	198,4	P	0,02	1,31	2,5
1389873_at	113,9	A	0,07	257,4	P	0	1,31	2,5
1377651_at	67,6	P	0,02	178,7	P	0,01	1,3	2,5
1386925_at	343,4	P	0	842,9	P	0	1,3	2,5
1383455_at	670,4	P	0	1970,7	P	0	1,29	2,4
1386899_at	758,5	P	0	1658,7	P	0	1,29	2,4
1395313_s_at	381,4	P	0	923,6	P	0	1,29	2,4
1367925_at	107,9	A	0,17	292,6	P	0,02	1,28	2,4
1368010_at	65,8	A	0,15	171,5	P	0	1,28	2,4
1374600_at	126,8	P	0,02	376,2	P	0	1,28	2,4
1377239_at	94,9	P	0,03	362	P	0	1,28	2,4
1380063_at	349,8	P	0	867,5	P	0	1,28	2,4
1382531_at	38	A	0,37	82,9	P	0	1,28	2,4
1387605_at	66,8	A	0,19	167,3	P	0,01	1,28	2,4
1390312_at	206,8	A	0,11	355,5	P	0	1,28	2,4
1395186_at	376,1	P	0,01	1036,1	P	0	1,28	2,4
1372621_at	74,3	A	0,27	161,9	P	0,02	1,27	2,4
1376943_at	53,3	A	0,1	158,4	P	0	1,27	2,4
1385152_at	360,7	A	0,1	814,9	P	0,01	1,26	2,4
1388347_at	1137,8	P	0	2697,1	P	0	1,26	2,4

1390909_at	210,3	A	0,15	433,5	P	0	1,26	2,4
1368555_at	81,4	M	0,06	303,7	P	0	1,25	2,4
1372087_at	115,5	A	0,07	221	P	0,01	1,25	2,4
1373204_at	786,2	P	0	1449,9	P	0	1,25	2,4
1379538_at	227,7	P	0,02	399,3	P	0	1,25	2,4
1381875_at	101,9	P	0,04	424,1	P	0	1,25	2,4
1382603_at	147,6	A	0,08	392,5	P	0,01	1,25	2,4
1383189_at	140,3	P	0	287,4	P	0	1,25	2,4
1389359_at	16,9	A	0,37	43,1	P	0,01	1,25	2,4
1375633_at	282,7	A	0,13	776,4	P	0,03	1,24	2,4
1382984_at	141,1	A	0,13	339,3	P	0,01	1,24	2,4
1383242_a_at	235,5	P	0	643,7	P	0	1,24	2,4
1398892_at	1939,1	P	0	4578,5	P	0	1,24	2,4
1374558_at	95,7	A	0,1	223,9	P	0,01	1,23	2,3
1387087_at	44,3	A	0,27	149,7	P	0,02	1,23	2,3
1388784_at	837,7	P	0	1850,3	P	0	1,23	2,3
1393957_at	77,8	A	0,25	308,8	P	0,01	1,23	2,3
1387661_a_at	69,3	A	0,33	158,8	P	0,05	1,22	2,3
1388088_a_at	132,6	P	0	375,3	P	0	1,22	2,3
1388271_at	1588,3	P	0	2968,5	P	0	1,22	2,3
1370488_a_at	418,8	P	0	1004,3	P	0	1,21	2,3
1371239_s_at	114,9	P	0,02	266,6	P	0	1,21	2,3
1382873_at	330,9	A	0,07	744,4	P	0	1,21	2,3
1389978_at	110,9	A	0,17	318,3	P	0,01	1,21	2,3
1390510_at	100,2	A	0,08	239,3	P	0	1,21	2,3
1374838_at	39	P	0,05	258,7	P	0,01	1,2	2,3
1379025_at	414,6	A	0,13	1056,4	P	0,01	1,2	2,3
1390496_at	50,8	A	0,22	188,2	P	0,02	1,2	2,3
1370224_at	243,8	P	0,01	511,8	P	0	1,19	2,3
1384507_at	351	P	0	779,8	P	0	1,19	2,3
1388792_at	97,1	M	0,06	275,7	P	0,01	1,19	2,3
1390050_at	292,9	P	0	637,2	P	0	1,19	2,3
1391979_at	192,3	A	0,11	623,3	P	0	1,19	2,3
1368973_at	422,2	P	0,04	1038,2	P	0	1,18	2,3
1369138_a_at	57,6	A	0,27	146,7	P	0,02	1,18	2,3

1394445_at	430,6	P	0	949	P	0	1,18	2,3
1396057_at	1382,7	P	0	3187,1	P	0	1,18	2,3
1369068_at	68,2	P	0,02	123,6	P	0	1,17	2,3
1369186_at	92,5	A	0,13	239,1	P	0,01	1,17	2,3
1372601_at	625,4	P	0	1492,6	P	0	1,17	2,3
1385527_at	48,5	A	0,22	149,8	P	0,01	1,17	2,3
1390287_at	118,6	P	0,03	336,5	P	0	1,17	2,3
1392172_at	155,4	A	0,37	273	P	0,01	1,17	2,3
1377594_at	411,6	P	0,02	1099,9	P	0	1,16	2,2
1379062_at	62,8	P	0,02	131,1	P	0	1,16	2,2
1383658_at	871,7	A	0,11	1882,9	P	0	1,16	2,2
1385269_s_at	47,1	A	0,13	127	P	0,03	1,16	2,2
1387498_a_at	218,3	P	0	646,7	P	0	1,16	2,2
1368518_at	193,9	P	0	552,5	P	0	1,15	2,2
1370516_at	86,2	P	0,02	218,9	P	0	1,15	2,2
1385605_at	191,2	A	0,22	478	P	0,03	1,15	2,2
1387352_at	56,7	A	0,47	119	P	0,02	1,15	2,2
1367595_s_at	3922,4	P	0	9160,9	P	0	1,14	2,2
1367826_at	206,1	P	0	687,1	P	0	1,14	2,2
1368897_at	111,1	P	0	177,9	P	0	1,14	2,2
1373504_at	138,7	P	0	182	P	0	1,14	2,2
1383131_at	381	P	0,02	1085,6	P	0	1,14	2,2
1394743_at	120,1	A	0,19	478,7	P	0	1,14	2,2
1396048_at	100,1	A	0,22	357,8	P	0,05	1,14	2,2
1378418_at	172,7	P	0,01	505	P	0	1,13	2,2
1381886_at	109,3	A	0,33	284,7	P	0,03	1,13	2,2
1374337_at	232,1	A	0,08	473	P	0	1,12	2,2
1379316_at	399,7	M	0,06	889,8	P	0	1,12	2,2
1368981_at	618,5	P	0	1365,9	P	0	1,11	2,2
1389985_at	43,8	P	0,02	127,4	P	0,02	1,11	2,2
1398347_at	391,5	P	0	1035,6	P	0	1,11	2,2
1372070_at	297,8	A	0,07	657,3	P	0,01	1,1	2,1
1383516_at	80,2	P	0,03	166,8	P	0	1,1	2,1
1385572_at	238,4	A	0,37	552,8	P	0,05	1,1	2,1
1387402_at	126,7	A	0,25	198,3	P	0,01	1,1	2,1

1389365_at	311,3	P	0	687	P	0	1,1	2,1
1390659_at	92,6	P	0,02	188,8	P	0	1,1	2,1
1396464_at	48,9	P	0,01	228,9	P	0,01	1,1	2,1
1369278_at	781,9	P	0	1167,7	P	0	1,09	2,1
1369819_at	106,6	A	0,17	251,1	P	0,01	1,09	2,1
1372056_at	89,2	P	0,02	143,5	P	0	1,09	2,1
1374565_at	165,4	P	0	261,2	P	0	1,09	2,1
1376100_at	50,9	A	0,27	122,4	P	0,03	1,09	2,1
1384298_at	99,7	A	0,27	372,1	P	0,02	1,09	2,1
1384483_at	156,6	A	0,08	299,6	P	0,01	1,09	2,1
1392259_at	237,5	P	0	452,5	P	0	1,09	2,1
1368840_at	995,8	P	0	2676,8	P	0	1,08	2,1
1368895_at	170,7	P	0,05	326,8	P	0,01	1,08	2,1
1371575_at	293,2	P	0	616	P	0	1,08	2,1
1374165_at	78	A	0,33	171,2	P	0,01	1,08	2,1
1382986_at	288,7	P	0	428,5	P	0	1,08	2,1
1387964_a_at	90,4	A	0,11	137	P	0,02	1,08	2,1
1376835_at	86,9	P	0	213,8	P	0	1,07	2,1
1377451_at	25,7	A	0,15	65,5	P	0,01	1,07	2,1
1377726_at	397,7	A	0,11	1432,3	P	0,01	1,07	2,1
1382874_at	133,1	A	0,11	291	P	0,02	1,07	2,1
1384974_at	518,3	P	0	1234,8	P	0	1,07	2,1
1375215_x_at	78,1	P	0	165,8	P	0	1,06	2,1
1377174_at	616,9	P	0	1285,1	P	0	1,06	2,1
1380537_at	162,8	A	0,25	383,6	P	0	1,06	2,1
1387153_at	393,2	P	0,03	716,8	P	0	1,06	2,1
1387343_at	90,4	A	0,08	169,1	P	0,02	1,06	2,1
1390398_at	49,4	A	0,11	114,2	P	0	1,06	2,1
1390703_at	22,7	A	0,5	38,8	P	0	1,06	2,1
1395265_at	1334,4	P	0	2832,3	P	0	1,06	2,1
1369204_at	126,4	P	0,01	248,2	P	0	1,05	2,1
1369297_at	279,7	P	0	587,2	P	0	1,05	2,1
1383595_at	2637,1	P	0,01	4280,1	P	0	1,05	2,1
1384294_at	133,2	A	0,22	308,4	P	0,03	1,05	2,1
1391194_at	683,3	P	0	1321,1	P	0	1,05	2,1

1370141_at	181,9	M	0,06	357,5	P	0,01	1,04	2,1
1370249_at	226	P	0,03	415,9	P	0	1,04	2,1
1375703_at	90,8	A	0,13	214,7	P	0,03	1,04	2,1
1384191_at	138,4	P	0	300,5	P	0	1,04	2,1
1398561_at	537,8	P	0	926,2	P	0	1,04	2,1
1368073_at	195,5	A	0,3	375,5	P	0,02	1,03	2,0
1385641_at	305,2	A	0,08	597,5	P	0,01	1,03	2,0
1389105_at	84,9	A	0,08	170,1	P	0	1,03	2,0
1397334_at	268,9	P	0	507,5	P	0	1,03	2,0
1370891_at	182,4	P	0	378,4	P	0	1,02	2,0
1374284_at	126	P	0	284,9	P	0	1,02	2,0
1392838_at	274,3	P	0,01	688,4	P	0	1,02	2,0
1369129_at	380,2	P	0	799,9	P	0	1,01	2,0
1378236_at	141,2	P	0,02	274,9	P	0,01	1,01	2,0
1385268_at	66,4	A	0,17	94,2	P	0,03	1,01	2,0
1390866_at	244	A	0,37	361	P	0,01	1,01	2,0
1368729_a_at	164,4	P	0	349,9	P	0	1	2,0
1373065_at	159,7	P	0,01	324,3	P	0	1	2,0
1376321_at	102,5	A	0,11	204	P	0,01	1	2,0
1377943_at	164,6	A	0,13	294,8	P	0	1	2,0
1382737_at	904,9	P	0	2410,3	P	0	1	2,0
1392894_at	401,4	P	0,02	746	P	0	1	2,0
1395813_at	393,1	P	0	873,2	P	0	1	2,0
1395850_at	113,8	A	0,15	216,1	P	0,04	1	2,0
1396124_at	549,7	A	0,13	950,1	P	0,02	1	2,0
1370512_at	61,3	A	0,33	131,5	P	0,05	0,99	2,0
1375853_at	151,3	P	0	315,8	P	0	0,99	2,0
1379760_at	127,2	A	0,15	323,3	P	0	0,99	2,0
1382785_at	1067,6	P	0	2296,9	P	0	0,99	2,0
1384126_a_at	344	A	0,07	601,1	P	0	0,99	2,0
1387759_s_at	98,8	A	0,1	230,4	P	0	0,99	2,0
1391952_at	35,8	A	0,3	58,1	P	0,02	0,99	2,0
1395925_s_at	471,1	P	0	716,2	P	0	0,99	2,0
1367715_at	125,8	A	0,07	343	P	0,01	0,98	2,0
1378477_a_at	161,7	P	0	324,2	P	0	0,98	2,0

1379924_at	183,1	A	0,17	710,2	P	0,01	0,98	2,0
1380129_at	136,3	A	0,08	360,6	P	0,01	0,98	2,0
1381126_at	186,3	A	0,11	305,4	P	0,02	0,98	2,0
1386913_at	362,6	P	0	706,8	P	0	0,98	2,0
1387810_at	181,7	P	0,02	385,2	P	0	0,98	2,0
1388249_at	115,9	P	0,02	197,6	P	0	0,98	2,0
1388895_at	135,3	P	0	260,6	P	0	0,98	2,0
1395348_at	345,7	P	0,01	793,2	P	0	0,98	2,0
1395366_at	549,1	P	0,04	942,3	P	0	0,98	2,0
1384350_at	257,9	A	0,15	494,2	P	0,01	0,97	2,0
1384895_at	1094,2	P	0,01	2043,4	P	0	0,97	2,0
1390389_at	181,9	A	0,13	324,5	P	0,01	0,97	2,0
1390914_at	207,8	A	0,17	327,8	P	0,02	0,97	2,0
1398246_s_at	213,6	P	0	381,4	P	0	0,97	2,0
1399161_a_at	279,5	P	0	476,1	P	0	0,97	2,0
1368420_at	26,7	A	0,27	67,5	P	0	0,96	1,9
1374399_at	105,3	A	0,22	220	P	0,05	0,96	1,9
1376073_at	313,4	P	0,01	505,1	P	0	0,96	1,9
1378140_at	83	P	0,02	166	P	0	0,96	1,9
1385315_at	433,1	P	0	894,2	P	0	0,96	1,9
1389746_at	110,1	A	0,19	185,3	P	0,02	0,96	1,9
1393187_at	144,8	P	0,01	360,1	P	0	0,96	1,9
1393641_at	141,6	A	0,1	625,8	P	0	0,96	1,9
1394550_at	283,6	P	0,03	652,4	P	0,01	0,96	1,9
1395556_at	451	P	0,02	827,3	P	0	0,96	1,9
1370949_at	272,9	P	0	352,7	P	0	0,95	1,9
1370957_at	236,3	P	0,05	355,7	P	0,01	0,95	1,9
1373754_at	275,1	P	0	615,3	P	0	0,95	1,9
1375955_at	302,3	P	0	666,4	P	0	0,95	1,9
1376006_at	295,9	P	0	576,3	P	0	0,95	1,9
1382108_at	495,8	P	0,01	1043,2	P	0	0,95	1,9
1382177_at	238,9	P	0,04	683,9	P	0	0,95	1,9
1384037_at	62,8	A	0,33	124,8	P	0,05	0,95	1,9
1389848_at	58,1	A	0,1	133,7	P	0	0,95	1,9
1394868_at	309,3	A	0,11	634,8	P	0,03	0,95	1,9

1376636_at	381,8	P	0	562,1	P	0	0,94	1,9
1379123_at	712,2	P	0	1743	P	0	0,94	1,9
1379499_at	225,4	P	0,01	388,2	P	0	0,94	1,9
1387195_at	81,3	P	0,04	194,1	P	0	0,94	1,9
1396268_at	248,5	P	0,05	668,6	P	0	0,94	1,9
1399148_s_at	68,7	A	0,19	130,8	P	0,01	0,94	1,9
1369527_at	222	P	0,01	410,5	P	0	0,93	1,9
1369979_at	228,1	A	0,07	503,6	P	0,01	0,93	1,9
1370882_at	431,6	P	0	830,7	P	0	0,93	1,9
1378321_at	435,9	P	0	774,4	P	0	0,93	1,9
1387302_at	288,2	P	0,01	462,6	P	0	0,93	1,9
1390043_at	150,5	A	0,27	349,3	P	0,05	0,93	1,9
1390391_at	139,1	P	0	253,2	P	0	0,93	1,9
1395401_at	1210,5	P	0	2668,2	P	0	0,93	1,9
1368405_at	246,4	P	0	471,3	P	0	0,92	1,9
1377626_at	258,8	A	0,08	490	P	0	0,92	1,9
1387443_at	154,7	P	0,01	310,4	P	0	0,92	1,9
1390655_at	35,3	A	0,13	117,2	P	0	0,92	1,9
1392785_at	91,9	P	0,01	340,3	P	0	0,92	1,9
1398214_at	528,6	P	0	997,9	P	0	0,92	1,9
1368296_at	272,1	P	0	523,9	P	0	0,91	1,9
1368370_at	41,4	A	0,13	113,9	P	0,03	0,91	1,9
1369504_at	127,6	P	0,01	323,1	P	0	0,91	1,9
1373544_at	65,1	A	0,25	126,4	P	0,03	0,91	1,9
1385848_s_at	303	A	0,19	557,3	P	0,01	0,91	1,9
1385978_at	1042,1	P	0	1985,2	P	0	0,91	1,9
1395706_at	1122,1	P	0	2067,5	P	0	0,91	1,9
1371192_at	98,4	P	0,05	115,8	P	0	0,9	1,9
1381482_at	233,3	A	0,07	325,6	P	0,01	0,9	1,9
1386695_at	73,1	P	0	142	P	0	0,9	1,9
1393586_at	124,1	P	0,02	324,1	P	0	0,9	1,9
1368430_at	824,6	P	0	1502,8	P	0	0,89	1,9
1369592_at	332,3	P	0,04	751,9	P	0	0,89	1,9
1370216_at	423,5	P	0	943,5	P	0	0,89	1,9
1372404_at	124,4	M	0,06	446,8	P	0	0,89	1,9

1374544_at	303,7	P	0	465,7	P	0	0,89	1,9
1375428_at	137,2	A	0,08	298,2	P	0,01	0,89	1,9
1375741_at	118,5	A	0,17	187,9	P	0,03	0,89	1,9
1377445_at	124	P	0,05	250,1	P	0	0,89	1,9
1380569_at	372,6	A	0,11	657,4	P	0,03	0,89	1,9
1380692_at	64,1	A	0,07	139,3	P	0	0,89	1,9
1382026_at	214,3	A	0,13	411	P	0,04	0,89	1,9
1392054_at	343,2	P	0	654,1	P	0	0,89	1,9
1394347_at	21,8	A	0,19	32	P	0	0,89	1,9
1397302_at	152,9	P	0,02	332,2	P	0,01	0,89	1,9
1397884_at	181,4	P	0,02	433,2	P	0,01	0,89	1,9
1370219_at	302,7	P	0,01	575,6	P	0	0,88	1,8
1371038_at	124,5	P	0	231,5	P	0	0,88	1,8
1385455_at	208,2	P	0	448	P	0	0,88	1,8
1387029_at	175,1	P	0	361,4	P	0	0,88	1,8
1387489_at	110,1	A	0,1	220,4	P	0,01	0,88	1,8
1395890_at	198,4	A	0,15	362,7	P	0,03	0,88	1,8
1397507_at	47,2	P	0,05	125,3	P	0,01	0,88	1,8
1373418_at	436,1	P	0	952,7	P	0	0,87	1,8
1384381_at	149,3	P	0	185,5	P	0	0,87	1,8
1385832_s_at	423,4	A	0,07	694,5	P	0,04	0,87	1,8
1387201_at	27,7	A	0,3	178,1	P	0,03	0,87	1,8
1390383_at	246,8	P	0	370,8	P	0	0,87	1,8
1396465_at	442,2	P	0,02	596,3	P	0	0,87	1,8
1369248_a_at	64,2	P	0	131,5	P	0	0,86	1,8
1369590_a_at	242,6	P	0	348	P	0	0,86	1,8
1371177_a_at	30	A	0,33	62,3	P	0,04	0,86	1,8
1376844_at	187,2	P	0,01	366,9	P	0,01	0,86	1,8
1382346_at	172,8	A	0,07	381,1	P	0	0,86	1,8
1391227_at	352,1	A	0,15	539,6	P	0,01	0,86	1,8
1393198_at	240,3	P	0,02	363,9	P	0	0,86	1,8
1368353_at	5004,5	P	0	7151	P	0	0,85	1,8
1370428_x_at	27,7	A	0,22	69,1	P	0,01	0,85	1,8
1370523_a_at	96,7	P	0,01	295,7	P	0	0,85	1,8
1373881_at	388,8	P	0	750,8	P	0	0,85	1,8

1388157_at	154,4	P	0	351,5	P	0	0,85	1,8
1391527_at	495	P	0,02	951	P	0	0,85	1,8
1393085_at	413,1	P	0	649,4	P	0	0,85	1,8
1397864_at	43,1	A	0,19	82,4	P	0	0,85	1,8
1369471_at	160,8	P	0	242	P	0	0,84	1,8
1370030_at	95,7	P	0	224,2	P	0	0,84	1,8
1370423_at	117	A	0,13	191,8	P	0,03	0,84	1,8
1370552_at	91,5	P	0,04	159,9	P	0,01	0,84	1,8
1372935_at	169,7	P	0	347,4	P	0	0,84	1,8
1374588_at	81,3	P	0,01	121,3	P	0	0,84	1,8
1375047_at	28,1	A	0,6	54,3	P	0,02	0,84	1,8
1375399_a_at	237,1	P	0,05	382	P	0,01	0,84	1,8
1379785_at	609,5	P	0	1181,8	P	0	0,84	1,8
1383332_at	163,5	P	0,03	481,8	P	0	0,84	1,8
1385250_at	224,8	A	0,22	429,7	P	0,04	0,84	1,8
1392386_at	354	P	0	547,7	P	0	0,84	1,8
1394614_at	973,9	P	0	1651,6	P	0	0,84	1,8
1373495_at	370,2	P	0	535,9	P	0	0,83	1,8
1373499_at	320,9	P	0	530,7	P	0	0,83	1,8
1376675_at	103,6	P	0,04	206,9	P	0,01	0,83	1,8
1380008_at	189,8	P	0	453,1	P	0	0,83	1,8
1380282_at	496,9	P	0	1191,2	P	0	0,83	1,8
1380696_at	190,6	P	0	387,3	P	0	0,83	1,8
1383023_at	437,9	P	0	928,8	P	0	0,83	1,8
1388034_at	555,5	P	0	879,3	P	0	0,83	1,8
1389482_at	386	P	0	610	P	0	0,83	1,8
1392107_at	329,5	P	0	617,3	P	0	0,83	1,8
1393657_at	249,7	P	0,03	393,3	P	0	0,83	1,8
1367810_at	498,8	P	0,02	1141,5	P	0,01	0,82	1,8
1368580_at	249,2	A	0,07	521,5	P	0,01	0,82	1,8
1376499_at	268,5	P	0	487,1	P	0	0,82	1,8
1379891_at	2434,6	P	0	3765,7	P	0	0,82	1,8
1382279_at	451,2	A	0,1	778,3	P	0	0,82	1,8
1385658_at	1278,7	P	0	2013,6	P	0	0,82	1,8
1386065_at	244,3	P	0	320,2	P	0,01	0,82	1,8

1386618_at	359,8	P	0	546,8	P	0	0,82	1,8
1387689_at	185,4	A	0,13	335,4	P	0	0,82	1,8
1389100_at	70,4	M	0,06	158,1	P	0,01	0,82	1,8
1393584_at	858,2	P	0,02	1557,1	P	0	0,82	1,8
1394638_at	369,6	P	0,03	755,1	P	0,01	0,82	1,8
1369554_at	168,5	P	0	306,5	P	0	0,81	1,8
1369970_at	187,7	A	0,11	315,8	P	0,01	0,81	1,8
1373106_at	456,2	P	0	839,7	P	0	0,81	1,8
1376432_at	151,6	P	0,05	276,6	P	0	0,81	1,8
1378133_at	1590,8	P	0	2781	P	0	0,81	1,8
1385926_at	217,6	P	0,01	430,4	P	0,01	0,81	1,8
1386876_at	140,4	P	0	247,7	P	0	0,81	1,8
1388036_a_at	19,6	A	0,17	66,3	P	0,01	0,81	1,8
1389696_at	100,1	A	0,07	183,8	P	0,02	0,81	1,8
1393491_at	426	P	0	590	P	0	0,81	1,8
1368474_at	431,7	P	0	867	P	0	0,8	1,7
1368830_at	176,5	A	0,1	380,8	P	0,02	0,8	1,7
1369352_at	73,7	M	0,06	127,2	P	0,01	0,8	1,7
1369459_at	226,6	A	0,17	304,7	P	0,03	0,8	1,7
1369919_at	235,9	P	0	389,7	P	0	0,8	1,7
1371104_at	509,9	P	0	812,3	P	0	0,8	1,7
1375138_at	421,6	P	0	676,3	P	0	0,8	1,7
1375656_at	168,9	P	0,02	350,5	P	0	0,8	1,7
1382714_at	121,6	P	0,01	276,2	P	0	0,8	1,7
1383290_at	304,9	P	0	444,7	P	0	0,8	1,7
1384101_at	268,3	P	0	592,2	P	0	0,8	1,7
1384457_at	178,8	P	0,05	306,7	P	0,01	0,8	1,7
1385431_at	586,9	P	0	931,5	P	0	0,8	1,7
1385768_at	175,2	A	0,22	315	P	0,05	0,8	1,7
1387914_at	126,1	P	0,02	277,9	P	0	0,8	1,7
1391572_at	302,6	P	0	564,3	P	0	0,8	1,7
1397164_at	1100,3	P	0	2022,4	P	0	0,8	1,7
1367574_at	1020,5	P	0	1522,8	P	0	0,79	1,7
1368952_at	193,9	P	0,01	323	P	0	0,79	1,7
1369538_at	321,8	P	0	594,8	P	0	0,79	1,7

1370643_a_at	208,2	P	0,03	286,1	P	0,01	0,79	1,7
1380215_at	479,8	P	0,04	1080,5	P	0,01	0,79	1,7
1389477_at	122,4	P	0,01	186,4	P	0	0,79	1,7
1389889_at	164,5	P	0,01	302,2	P	0	0,79	1,7
1391803_at	218,1	M	0,06	457,9	P	0,03	0,79	1,7
1392286_at	155,6	A	0,07	346,7	P	0,02	0,79	1,7
1368989_at	97,1	P	0,04	205,4	P	0	0,78	1,7
1369611_at	91,6	P	0,03	201,5	P	0,01	0,78	1,7
1369757_at	127,6	P	0,05	235,1	P	0	0,78	1,7
1370844_at	348,1	P	0	608,3	P	0	0,78	1,7
1373043_at	477,8	P	0	803,9	P	0	0,78	1,7
1377263_at	67,8	P	0	135,7	P	0	0,78	1,7
1383355_at	663,2	P	0,01	1043,8	P	0	0,78	1,7
1386088_at	706,6	P	0	1321	P	0	0,78	1,7
1387415_a_at	204,5	P	0,01	376,6	P	0	0,78	1,7
1388041_s_at	92,4	A	0,15	160,6	P	0,03	0,78	1,7
1395371_at	137,3	P	0,01	223,3	P	0	0,78	1,7
1367811_at	601	P	0	1087,5	P	0	0,77	1,7
1368968_at	24,7	A	0,25	89,5	P	0,03	0,77	1,7
1369601_at	59	A	0,22	105,6	P	0,04	0,77	1,7
1370665_at	190,8	P	0	349,1	P	0	0,77	1,7
1373427_at	108,3	P	0	172,5	P	0	0,77	1,7
1374618_at	108,4	P	0,01	180,8	P	0	0,77	1,7
1375883_at	62,7	A	0,07	98,1	P	0	0,77	1,7
1378228_at	566,8	A	0,1	856,8	P	0,02	0,77	1,7
1378239_at	2592,5	P	0	4213,5	P	0	0,77	1,7
1379450_at	854,6	P	0	1648,4	P	0	0,77	1,7
1387146_a_at	274	P	0,01	451,8	P	0	0,77	1,7
1387982_at	46,5	A	0,17	83,6	P	0,02	0,77	1,7
1388426_at	690,3	P	0	1195,9	P	0	0,77	1,7
1392245_at	243,6	A	0,15	403,9	P	0,04	0,77	1,7
1393822_at	439,9	P	0,05	590,6	P	0,01	0,77	1,7
1397808_at	295,6	P	0,02	553,9	P	0,01	0,77	1,7
1367753_at	274,1	P	0,01	450,1	P	0	0,76	1,7
1370584_a_at	317,5	P	0	402,3	P	0	0,76	1,7

1370948_a_at	467,2	P	0	841,9	P	0	0,76	1,7
1371004_at	320,2	P	0	531	P	0	0,76	1,7
1375193_at	349,3	P	0,01	582,8	P	0	0,76	1,7
1378180_at	508,1	P	0,05	587,5	P	0	0,76	1,7
1382805_at	443,5	P	0	678,8	P	0	0,76	1,7
1384293_at	338,2	P	0,02	699,8	P	0	0,76	1,7
1386637_at	174,4	P	0,01	309,7	P	0	0,76	1,7
1387266_at	163,5	P	0,01	239,8	P	0	0,76	1,7
1387952_a_at	133,3	A	0,17	232,7	P	0,02	0,76	1,7
1398177_at	230,2	A	0,07	371,1	P	0	0,76	1,7
1367850_at	133,5	P	0	227,3	P	0	0,75	1,7
1368581_at	121	A	0,08	324,3	P	0,01	0,75	1,7
1372466_at	656,8	P	0	840,3	P	0	0,75	1,7
1372770_at	366,6	P	0	620,6	P	0	0,75	1,7
1374033_at	403,9	P	0	574,1	P	0	0,75	1,7
1375271_at	187,9	P	0,01	284,6	P	0	0,75	1,7
1378751_at	324,6	P	0,03	647,8	P	0	0,75	1,7
1379485_at	118,9	P	0,01	181,7	P	0	0,75	1,7
1382943_at	442,1	P	0	933,6	P	0	0,75	1,7
1383114_at	1118	P	0,02	1884,7	P	0	0,75	1,7
1387566_at	107	P	0	143,7	P	0	0,75	1,7
1388725_at	281,1	P	0	628	P	0	0,75	1,7
1388754_at	743,8	P	0	1305,7	P	0	0,75	1,7
1389092_at	96,3	A	0,13	160,7	P	0,01	0,75	1,7
1390157_at	237	P	0	415,8	P	0	0,75	1,7
1390428_at	42,5	A	0,17	72,1	P	0,03	0,75	1,7
1392134_x_at	345,4	P	0	634,1	P	0	0,75	1,7
1393965_at	497,2	P	0,05	949	P	0,01	0,75	1,7
1395173_at	749,1	P	0	900,6	P	0	0,75	1,7
1395542_at	169,6	P	0,01	370,1	P	0	0,75	1,7
1368207_at	127,1	P	0,01	218,6	P	0	0,74	1,7
1368614_at	79,2	A	0,1	124,2	P	0,01	0,74	1,7
1370267_at	38,8	A	0,19	60,6	P	0	0,74	1,7
1371179_a_at	69	P	0,05	321,9	P	0	0,74	1,7
1372117_at	172,7	P	0	296,3	P	0	0,74	1,7

1372533_at	113,6	P	0,02	206	P	0	0,74	1,7
1372868_at	144	P	0,01	221,4	P	0	0,74	1,7
1374752_at	110,2	A	0,11	133,9	P	0,02	0,74	1,7
1375280_at	200,9	P	0	352,2	P	0	0,74	1,7
1377669_at	205	A	0,15	362,9	P	0,03	0,74	1,7
1378155_at	154,1	A	0,13	293,6	P	0,04	0,74	1,7
1379905_at	451,9	A	0,17	806,1	P	0,01	0,74	1,7
1383379_at	809,8	P	0	1251,6	P	0	0,74	1,7
1387658_at	101,6	A	0,07	206,7	P	0	0,74	1,7
1387786_at	535,3	P	0	904,1	P	0	0,74	1,7
1367605_at	1355	P	0	1953,8	P	0	0,73	1,7
1367794_at	218,4	P	0	397,3	P	0	0,73	1,7
1367868_at	378,9	P	0	714,1	P	0	0,73	1,7
1369394_at	158,7	P	0,04	380,7	P	0	0,73	1,7
1370155_at	278,8	P	0	497,7	P	0	0,73	1,7
1371039_at	131,8	P	0,01	210	P	0	0,73	1,7
1371186_at	278,9	P	0	410,6	P	0	0,73	1,7
1371432_at	315,9	P	0,03	607,3	P	0	0,73	1,7
1372478_at	240,7	P	0,05	417,7	P	0,01	0,73	1,7
1373611_at	216	P	0	339,7	P	0	0,73	1,7
1377845_at	293	P	0,04	465,2	P	0,01	0,73	1,7
1378428_at	106,7	A	0,17	196,1	P	0,01	0,73	1,7
1379766_at	89,3	A	0,08	160,5	P	0	0,73	1,7
1385933_at	82,8	P	0	145,2	P	0	0,73	1,7
1387005_at	2442,6	P	0	4452,3	P	0	0,73	1,7
1389014_at	178,6	A	0,17	308,5	P	0,02	0,73	1,7
1395298_at	295,9	P	0,01	490,3	P	0	0,73	1,7
1396207_at	533,6	P	0	946,5	P	0	0,73	1,7
1397548_at	332,8	A	0,07	432	P	0,02	0,73	1,7
1398594_at	56,2	P	0,02	50	P	0,01	0,73	1,7
1369031_at	161,7	P	0,01	244,9	P	0	0,72	1,6
1369462_at	281,5	P	0,01	464,3	P	0	0,72	1,6
1370456_at	38,9	A	0,3	102,4	P	0,05	0,72	1,6
1371063_at	469,5	P	0	811,1	P	0	0,72	1,6
1373757_at	860,7	P	0	1266,7	P	0	0,72	1,6

1375564_at	159,2	P	0,02	424,7	P	0,01	0,72	1,6
1376303_a_at	509,8	P	0	880	P	0	0,72	1,6
1384783_at	258,7	P	0,04	480,6	P	0,01	0,72	1,6
1385511_at	524,7	M	0,06	743,2	P	0,02	0,72	1,6
1389926_at	80	P	0,01	157	P	0	0,72	1,6
1390021_at	299,1	P	0	626,3	P	0	0,72	1,6
1392269_at	307	P	0,02	451	P	0,01	0,72	1,6
1395159_at	323,1	P	0	561	P	0	0,72	1,6
1367710_at	415,4	P	0	708,9	P	0	0,71	1,6
1368674_at	109,7	A	0,08	149,1	P	0,01	0,71	1,6
1369387_at	61,4	A	0,1	75,2	P	0	0,71	1,6
1369672_at	67,9	A	0,11	111,5	P	0,01	0,71	1,6
1369758_at	127,7	P	0,01	223,9	P	0	0,71	1,6
1376725_at	139,8	A	0,17	220,2	P	0,02	0,71	1,6
1381542_at	539,4	P	0	748,1	P	0	0,71	1,6
1383447_at	377,8	P	0,01	709,7	P	0	0,71	1,6
1384464_at	678,8	P	0	1345,3	P	0	0,71	1,6
1388132_at	203,9	P	0	301,7	P	0	0,71	1,6
1389995_at	212,4	A	0,1	363	P	0,03	0,71	1,6
1391256_at	300,5	P	0,01	434	P	0	0,71	1,6
1371202_a_at	396,7	P	0	798,9	P	0	0,7	1,6
1375406_s_at	133,8	A	0,13	154,4	P	0,01	0,7	1,6
1377095_at	558,9	P	0	1079,2	P	0	0,7	1,6
1379482_at	329,9	P	0	527	P	0	0,7	1,6
1382881_at	289,8	P	0,01	424,7	P	0	0,7	1,6
1383407_at	90,8	A	0,11	285,8	P	0,01	0,7	1,6
1384900_at	142,5	P	0,02	287,8	P	0	0,7	1,6
1385889_at	529,7	P	0	834,2	P	0	0,7	1,6
1388887_at	167,7	P	0,02	312	P	0	0,7	1,6
1394764_at	699,2	P	0,01	1329,4	P	0	0,7	1,6
1396403_at	325,9	P	0	425,7	P	0	0,7	1,6
1368986_at	1125,7	P	0	2014,5	P	0	0,69	1,6
1369665_a_at	141,9	P	0	231,9	P	0	0,69	1,6
1370602_at	195	P	0	301,5	P	0	0,69	1,6
1371037_at	137,2	P	0,01	213,6	P	0	0,69	1,6

1371256_at	236,3	P	0,03	406,4	P	0	0,69	1,6
1371821_at	539,7	P	0	828,1	P	0	0,69	1,6
1373746_at	115,8	P	0,01	163,1	P	0	0,69	1,6
1373838_at	77	A	0,25	98,3	P	0,04	0,69	1,6
1377140_at	141,9	P	0,05	200,9	P	0,01	0,69	1,6
1378509_at	253,7	P	0,02	601,9	P	0,03	0,69	1,6
1379571_at	1536,7	P	0	1905,6	P	0	0,69	1,6
1386679_at	833,6	P	0	1493,5	P	0	0,69	1,6
1387165_at	63,3	A	0,15	100,2	P	0,01	0,69	1,6
1387282_at	163,5	P	0	243,5	P	0	0,69	1,6
1388140_at	202,7	P	0,01	319,9	P	0	0,69	1,6
1388596_at	475,5	P	0	557,9	P	0	0,69	1,6
1389446_at	150	P	0,02	245,3	P	0,01	0,69	1,6
1389617_at	113,4	P	0	157	P	0	0,69	1,6
1393690_at	670,8	P	0	1180,9	P	0	0,69	1,6
1394678_at	369,9	P	0,05	960,4	P	0,01	0,69	1,6
1396267_at	453,3	P	0	654	P	0	0,69	1,6
1368669_at	459,9	P	0,04	627,7	P	0	0,68	1,6
1369049_at	149,5	P	0,02	305,2	P	0	0,68	1,6
1369754_a_at	154	P	0,05	242,5	P	0,01	0,68	1,6
1370832_at	116,9	A	0,07	198,9	P	0,01	0,68	1,6
1370968_at	174	P	0,01	429,2	P	0	0,68	1,6
1371090_at	217,9	P	0	296,5	P	0	0,68	1,6
1371525_at	137,9	A	0,15	218,7	P	0,04	0,68	1,6
1374499_at	392,2	P	0	454,9	P	0	0,68	1,6
1375644_at	319,9	P	0	490,9	P	0	0,68	1,6
1377153_a_at	82	P	0,01	163,7	P	0	0,68	1,6
1382443_at	489,8	P	0,04	839,6	P	0	0,68	1,6
1383825_at	531,1	P	0	1059,5	P	0	0,68	1,6
1387925_at	394,6	P	0	659,9	P	0	0,68	1,6
1390426_at	116,2	P	0	181,9	P	0	0,68	1,6
1392716_at	202	A	0,13	400,8	P	0,03	0,68	1,6
1395402_at	541	M	0,06	926,4	P	0,02	0,68	1,6
1395411_at	416,2	P	0,02	753,3	P	0,01	0,68	1,6
1368605_at	66,6	P	0,02	121,3	P	0,01	0,67	1,6

1369054_at	138,5	P	0,01	204,6	P	0	0,67	1,6
1369061_at	113	M	0,06	154,7	P	0	0,67	1,6
1369185_a_at	149,1	M	0,06	235,4	P	0,01	0,67	1,6
1370816_at	337	P	0,01	673,9	P	0	0,67	1,6
1371332_at	604,1	P	0	986,4	P	0	0,67	1,6
1371781_at	332,1	P	0	565,7	P	0	0,67	1,6
1372280_at	119,8	A	0,13	158,6	P	0,04	0,67	1,6
1372824_at	232	P	0	355,9	P	0	0,67	1,6
1373742_at	201,2	A	0,1	338,6	P	0,01	0,67	1,6
1375426_a_at	254,6	P	0	378,9	P	0	0,67	1,6
1376579_at	67,4	P	0,01	112	P	0	0,67	1,6
1380263_at	190	P	0,04	334,5	P	0,03	0,67	1,6
1382463_at	353,8	P	0	575,6	P	0	0,67	1,6
1385011_at	465,9	P	0,01	733,7	P	0	0,67	1,6
1385243_at	121,3	P	0	224,6	P	0	0,67	1,6
1387071_a_at	1592,1	P	0	2541,7	P	0	0,67	1,6
1387285_at	314,3	P	0	669,3	P	0	0,67	1,6
1393702_at	646,4	P	0	1133,3	P	0	0,67	1,6
1396450_at	192,9	P	0,01	325,5	P	0	0,67	1,6
1397201_at	277,2	P	0	342,9	P	0	0,67	1,6
1368582_at	269,5	P	0	448,1	P	0	0,66	1,6
1369344_at	365,2	P	0	576,4	P	0	0,66	1,6
1369402_at	252,3	P	0,01	360,9	P	0	0,66	1,6
1371162_at	58,8	P	0,02	136,7	P	0,01	0,66	1,6
1373406_at	91,5	P	0,02	163,6	P	0	0,66	1,6
1375252_at	210,4	P	0	358,1	P	0	0,66	1,6
1376594_at	154,4	P	0	250,7	P	0	0,66	1,6
1377119_at	458	P	0,01	623,7	P	0	0,66	1,6
1378246_at	544,1	P	0	801,4	P	0	0,66	1,6
1379567_at	107,4	A	0,07	156,1	P	0	0,66	1,6
1380373_at	232,7	A	0,11	401,3	P	0,01	0,66	1,6
1385094_at	2552,6	P	0	4139,4	P	0	0,66	1,6
1387874_at	656,7	P	0	1032,7	P	0	0,66	1,6
1388699_at	307,6	P	0	595,6	P	0	0,66	1,6
1395336_at	365,5	P	0,01	739	P	0	0,66	1,6

1397516_at	1315	P	0	1983,8	P	0	0,66	1,6
1369283_at	130,3	A	0,07	202,5	P	0,01	0,65	1,6
1369669_at	96,3	P	0	179	P	0	0,65	1,6
1369964_at	523,5	P	0,01	885,9	P	0	0,65	1,6
1370540_at	109,6	P	0	196	P	0	0,65	1,6
1372459_at	290,2	P	0,05	435,1	P	0	0,65	1,6
1373913_at	90,7	P	0,02	194,6	P	0	0,65	1,6
1375696_at	191,2	P	0	276,8	P	0	0,65	1,6
1375739_at	270,1	P	0,05	425,7	P	0,01	0,65	1,6
1379303_at	143,6	A	0,08	260,4	P	0,01	0,65	1,6
1381279_at	315,5	P	0	564	P	0	0,65	1,6
1381525_at	1254,8	P	0	2184,6	P	0	0,65	1,6
1382266_at	307,4	A	0,07	557,5	P	0,02	0,65	1,6
1385877_at	151,1	P	0	219,7	P	0	0,65	1,6
1387397_at	438,6	P	0	501,9	P	0	0,65	1,6
1388763_at	216,1	P	0,01	395,6	P	0	0,65	1,6
1390024_at	228,6	P	0	362,6	P	0	0,65	1,6
1390816_at	340,6	M	0,06	620,5	P	0,01	0,65	1,6
1391607_at	486,6	P	0	971,7	P	0	0,65	1,6
1392154_at	499,1	M	0,06	651,9	P	0,01	0,65	1,6
1393516_at	61,3	A	0,17	86,6	P	0,03	0,65	1,6
1393776_at	290,7	P	0,01	417,2	P	0	0,65	1,6
1393843_at	218,5	P	0,03	334,6	P	0,02	0,65	1,6
1395363_at	649,4	P	0,01	980,3	P	0	0,65	1,6
1395413_at	458,3	P	0	692,9	P	0	0,65	1,6
1395416_at	181,6	P	0	359,5	P	0	0,65	1,6
1395985_at	338,2	P	0	575,8	P	0	0,65	1,6
1397200_at	858	P	0	1013,3	P	0	0,65	1,6
1398756_at	39,7	A	0,25	70,8	P	0,02	0,65	1,6
1367936_at	126,8	P	0,01	212,4	P	0	0,64	1,6
1367984_at	378,7	P	0,01	581,4	P	0	0,64	1,6
1368479_at	244,3	P	0,01	358,6	P	0	0,64	1,6
1368666_a_at	164,8	P	0,01	266,8	P	0	0,64	1,6
1368925_a_at	82,5	P	0,01	136,7	P	0	0,64	1,6
1370533_at	339,4	P	0	477,2	P	0	0,64	1,6

1370755_at	258,4	P	0	295,7	P	0	0,64	1,6
1378666_at	351	P	0,01	608,7	P	0	0,64	1,6
1383711_at	136,9	A	0,13	463,7	P	0	0,64	1,6
1386647_at	351,4	A	0,07	494	P	0	0,64	1,6
1393268_at	349,7	P	0	540,3	P	0	0,64	1,6
1394315_at	2597,2	P	0	4189,9	P	0	0,64	1,6
1396939_at	88	A	0,07	101,6	P	0,01	0,64	1,6
1397674_at	871,1	P	0	1344,9	P	0	0,64	1,6
1397917_at	119,3	A	0,15	164,8	P	0,03	0,64	1,6
1368032_at	374,1	P	0	571,8	P	0	0,63	1,5
1370081_a_at	236	P	0,05	350,4	P	0,01	0,63	1,5
1370835_at	199,2	P	0,01	313,4	P	0	0,63	1,5
1371087_a_at	149,3	P	0	222	P	0	0,63	1,5
1371894_at	620,3	P	0	881,3	P	0	0,63	1,5
1375149_at	569,7	P	0	904,4	P	0	0,63	1,5
1377549_at	470,1	P	0,02	664	P	0	0,63	1,5
1377982_at	285,2	P	0	454,9	P	0	0,63	1,5
1379554_at	208,3	P	0,05	429	P	0	0,63	1,5
1383052_a_at	253,4	P	0	258,3	P	0	0,63	1,5
1383298_at	665	P	0	1275,1	P	0	0,63	1,5
1384728_at	453,5	P	0	731,3	P	0	0,63	1,5
1388826_at	452,3	P	0	859,2	P	0	0,63	1,5
1390026_at	198,1	P	0	371	P	0	0,63	1,5
1392189_at	416,5	P	0	639,8	P	0	0,63	1,5
1392410_at	240,9	P	0	368,6	P	0	0,63	1,5
1393932_at	577,7	P	0	825,4	P	0	0,63	1,5
1398319_at	135,3	P	0	235,3	P	0	0,63	1,5
1367614_at	122,6	P	0,02	243,6	P	0	0,62	1,5
1368356_a_at	123,8	P	0,02	307	P	0,01	0,62	1,5
1369378_at	261,7	P	0,01	528,6	P	0,01	0,62	1,5
1369956_at	842,7	P	0	1308,3	P	0	0,62	1,5
1370630_a_at	238,4	P	0,01	489,7	P	0	0,62	1,5
1371060_at	283,8	P	0	518,4	P	0	0,62	1,5
1371066_at	261	P	0,04	447,4	P	0	0,62	1,5
1374725_at	83,1	P	0,01	135,7	P	0	0,62	1,5

1377042_at	315,3	P	0	626,3	P	0	0,62	1,5
1378110_at	685,3	P	0,03	1051,5	P	0,01	0,62	1,5
1379717_at	474,7	P	0,02	685,3	P	0	0,62	1,5
1382832_at	1002,9	P	0	1729,5	P	0	0,62	1,5
1387495_at	215,8	P	0	294,4	P	0	0,62	1,5
1388161_at	254,3	P	0	424,1	P	0	0,62	1,5
1388460_at	130,2	A	0,08	156,6	P	0,01	0,62	1,5
1396195_at	1546,9	P	0,01	2102,9	P	0,01	0,62	1,5
1399102_at	269,4	P	0	308,7	P	0	0,62	1,5
1367612_at	267,8	P	0	636,6	P	0	0,61	1,5
1370541_at	518,5	P	0	934	P	0	0,61	1,5
1371153_a_at	83,3	A	0,17	127,1	P	0,02	0,61	1,5
1371595_at	813,5	P	0	1214,8	P	0	0,61	1,5
1372706_at	1047,9	P	0	1572,4	P	0	0,61	1,5
1375650_at	174,7	P	0,02	247,4	P	0,01	0,61	1,5
1385582_at	345,3	P	0,03	446,6	P	0	0,61	1,5
1387521_at	442,8	P	0	709,1	P	0	0,61	1,5
1388167_at	100,7	A	0,08	147,5	P	0,01	0,61	1,5
1390373_at	54	A	0,1	102,9	P	0,01	0,61	1,5
1390438_at	92,6	P	0,02	146,3	P	0	0,61	1,5
1390592_at	247,3	P	0,01	425,1	P	0	0,61	1,5
1393162_at	539,6	P	0,02	772,3	P	0,01	0,61	1,5
1395292_at	1025,7	P	0	1382,8	P	0	0,61	1,5
1395730_at	719,2	P	0	1086,2	P	0	0,61	1,5
1368862_at	722,2	P	0	1176,9	P	0	0,6	1,5
1368871_at	179,9	A	0,11	236,3	P	0,02	0,6	1,5
1369373_at	342,5	P	0,01	495,8	P	0,01	0,6	1,5
1370574_a_at	674	P	0	857,8	P	0	0,6	1,5
1370717_at	219,7	A	0,08	397,3	P	0,01	0,6	1,5
1372013_at	98,7	A	0,19	154,1	P	0,01	0,6	1,5
1375724_at	215	P	0,02	314,4	P	0	0,6	1,5
1381147_at	447,5	P	0,01	711,9	P	0	0,6	1,5
1382069_at	574,5	P	0,03	695	P	0,02	0,6	1,5
1387856_at	1245,4	P	0	1761,8	P	0	0,6	1,5
1388280_a_at	233,7	P	0	408,6	P	0	0,6	1,5

1390206_at	74,1	P	0,02	102,1	P	0	0,6	1,5
1393414_at	246,9	P	0	298,9	P	0	0,6	1,5
1368068_a_at	291,4	P	0,01	422,6	P	0	0,59	1,5
1369099_at	179,4	P	0	225,5	P	0	0,59	1,5
1369841_at	117,3	P	0,03	177,8	P	0	0,59	1,5
1369922_at	395,6	P	0	585,6	P	0	0,59	1,5
1370780_at	239,9	P	0,05	341,5	P	0,01	0,59	1,5
1370955_at	135,1	P	0	206,8	P	0	0,59	1,5
1371727_at	220,8	P	0,01	379,8	P	0	0,59	1,5
1373601_at	130,3	P	0	138,1	P	0	0,59	1,5
1374948_at	82,1	A	0,11	126,4	P	0	0,59	1,5
1375459_at	275,8	P	0	344,7	P	0	0,59	1,5
1375535_at	127,2	P	0,01	202	P	0,01	0,59	1,5
1375539_at	224,4	P	0,01	326,5	P	0	0,59	1,5
1376195_at	324,2	P	0	574,3	P	0	0,59	1,5
1380450_at	326	P	0,01	539,7	P	0	0,59	1,5
1380490_at	312,2	P	0	301,3	P	0	0,59	1,5
1380911_at	366	P	0,01	506,4	P	0	0,59	1,5
1384797_at	203,2	P	0,01	390,7	P	0,01	0,59	1,5
1388104_at	215,6	P	0,02	283,3	P	0,02	0,59	1,5
1390298_at	389,8	P	0	535,8	P	0	0,59	1,5
1391573_at	291	P	0,02	388	P	0	0,59	1,5
1393615_at	187,8	P	0,02	439,2	P	0	0,59	1,5
1394724_at	857,2	P	0	1200,7	P	0	0,59	1,5
1368213_at	310,5	P	0	537,4	P	0	0,58	1,5
1368958_at	346,1	P	0	475,1	P	0	0,58	1,5
1370623_at	109,2	M	0,06	170,5	P	0,01	0,58	1,5
1371101_at	117,1	P	0	187	P	0	0,58	1,5
1375973_at	176	P	0	271,2	P	0	0,58	1,5
1376160_at	137,7	A	0,19	246,8	P	0,05	0,58	1,5
1378179_a_at	471,7	A	0,1	780,9	P	0,04	0,58	1,5
1380287_at	118	A	0,17	190,9	P	0,04	0,58	1,5
1381678_at	1734,6	P	0	2466,2	P	0	0,58	1,5
1381988_at	1281,5	P	0	2585,8	P	0	0,58	1,5
1382277_at	229,4	A	0,15	245,6	P	0,02	0,58	1,5

1383096_at	502,3	P	0	696,5	P	0	0,58	1,5
1383509_at	191,7	P	0,04	233,8	P	0,01	0,58	1,5
1383880_at	287,2	P	0	390,7	P	0	0,58	1,5
1386009_at	159	P	0,02	274,6	P	0,01	0,58	1,5
1387707_at	234,6	P	0	329	P	0	0,58	1,5
1388066_a_at	107,5	P	0,04	222,6	P	0	0,58	1,5
1388127_at	343,9	P	0	637,8	P	0	0,58	1,5
1389980_at	70,3	P	0,01	91,5	P	0	0,58	1,5
1390455_at	290,2	P	0	418,3	P	0	0,58	1,5
1392564_at	802,4	P	0,03	1198,5	P	0,01	0,58	1,5
1393298_at	396,9	P	0	623,6	P	0	0,58	1,5
1393423_at	990,8	P	0	1230,4	P	0	0,58	1,5
1393453_at	219,8	P	0,05	331,5	P	0,03	0,58	1,5
1395840_at	227,2	P	0	406,3	P	0	0,58	1,5
1397272_at	331,5	P	0	575,2	P	0	0,58	1,5
1367741_at	372,1	P	0,02	462,6	P	0,01	0,57	1,5
1370599_a_at	1230,5	P	0	1673,9	P	0	0,57	1,5
1370677_at	138,5	A	0,07	228,6	P	0,03	0,57	1,5
1375494_a_at	194,6	P	0,01	232	P	0	0,57	1,5
1375892_at	281,5	P	0	448,8	P	0	0,57	1,5
1378269_at	1217,3	P	0	1609,8	P	0	0,57	1,5
1378971_at	710,2	P	0	854,4	P	0	0,57	1,5
1382519_at	103,8	P	0,02	171,8	P	0,01	0,57	1,5
1384788_at	959,9	P	0	1127,7	P	0	0,57	1,5
1387259_at	342,4	P	0	573,1	P	0	0,57	1,5
1388776_at	984,5	P	0	1457	P	0	0,57	1,5
1395574_at	448,7	P	0,01	626,6	P	0	0,57	1,5
1395923_at	136,1	P	0,04	184,1	P	0	0,57	1,5
1397523_at	1884,7	P	0,01	2156,2	P	0	0,57	1,5
1397617_at	356,5	P	0,03	442,6	P	0	0,57	1,5
1367709_at	1521,5	P	0	2329,1	P	0	0,56	1,5
1369700_at	231,6	P	0	410	P	0	0,56	1,5
1369868_at	221,7	P	0	310,5	P	0	0,56	1,5
1370173_at	317,8	P	0	451,2	P	0	0,56	1,5
1370351_at	467,1	P	0	655,2	P	0	0,56	1,5

1370542_a_at	185	P	0,01	266,5	P	0	0,56	1,5
1370845_at	293,3	P	0	477	P	0	0,56	1,5
1372042_at	120,2	P	0,03	183,7	P	0	0,56	1,5
1374468_at	127,9	P	0,02	181,5	P	0	0,56	1,5
1376454_at	185,7	P	0,05	350,5	P	0	0,56	1,5
1377501_at	42,4	A	0,15	96,8	P	0,01	0,56	1,5
1380425_at	295	P	0,01	457,8	P	0	0,56	1,5
1384792_at	250,8	P	0,01	416,4	P	0	0,56	1,5
1386940_at	1230,2	P	0	1670,4	P	0	0,56	1,5
1387592_at	95,4	P	0	187,3	P	0	0,56	1,5
1387844_at	266,8	P	0	441,7	P	0	0,56	1,5
1388022_a_at	86,7	P	0	136,2	P	0	0,56	1,5
1388986_at	268,2	P	0	402,1	P	0	0,56	1,5
1389474_at	111,2	P	0,03	205,5	P	0	0,56	1,5
1390262_a_at	772,7	P	0,01	834,6	P	0	0,56	1,5
1392706_at	414,1	P	0	699,2	P	0	0,56	1,5
1392847_at	167,5	P	0	240	P	0	0,56	1,5
1395338_at	751,1	P	0	1008,7	P	0	0,56	1,5
1395380_at	250,4	P	0,04	496,1	P	0,02	0,56	1,5
1397522_at	2208,7	P	0	3095,7	P	0	0,56	1,5
1397892_at	508	P	0,01	688	P	0	0,56	1,5
1368621_at	119,2	A	0,25	197,6	P	0,05	0,55	1,5
1369390_a_at	655,9	P	0	918,5	P	0	0,55	1,5
1369971_a_at	820	P	0	1384,8	P	0	0,55	1,5
1370746_at	725,4	P	0	1023,9	P	0	0,55	1,5
1372914_at	263,9	A	0,08	468,4	P	0,02	0,55	1,5
1376795_at	121,6	A	0,11	159,9	P	0,05	0,55	1,5
1382616_at	392,8	M	0,06	679,8	P	0,02	0,55	1,5
1387657_at	448,9	P	0,02	690,6	P	0	0,55	1,5
1390706_at	672,7	P	0	1072,4	P	0	0,55	1,5
1392617_at	633,2	P	0	821,1	P	0	0,55	1,5
1393558_at	459,6	P	0	840,9	P	0	0,55	1,5
1395157_at	1421,5	P	0	1841	P	0	0,55	1,5
1395271_at	144,2	P	0,05	197,4	P	0,04	0,55	1,5
1398648_at	569	A	0,07	936,5	P	0,01	0,55	1,5

1368551_at	85,6	P	0,01	136	P	0,02	0,54	1,5
1369032_at	508,8	P	0	844,3	P	0	0,54	1,5
1369064_a_at	145,7	P	0,01	180,2	P	0	0,54	1,5
1369323_at	257,7	P	0	322,7	P	0	0,54	1,5
1369640_at	638,5	P	0	898,6	P	0	0,54	1,5
1369813_at	359,6	P	0	640	P	0	0,54	1,5
1369973_at	112,5	P	0,01	168,5	P	0	0,54	1,5
1370146_at	472,5	P	0	753	P	0	0,54	1,5
1372719_at	199,9	P	0	312	P	0	0,54	1,5
1378257_at	440,2	P	0,03	877,4	P	0,01	0,54	1,5
1380323_at	438,6	P	0	628,2	P	0	0,54	1,5
1383079_at	363,1	P	0	659,7	P	0	0,54	1,5
1387685_at	743,3	P	0	999,2	P	0	0,54	1,5
1388528_at	271,5	P	0	302,8	P	0	0,54	1,5
1390847_at	683,7	P	0,01	1263,2	P	0	0,54	1,5
1390941_at	423,6	P	0,02	554,9	P	0	0,54	1,5
1392437_at	1046	P	0,01	1338,7	P	0,01	0,54	1,5
1393630_at	1158,2	P	0,03	1691,3	P	0,01	0,54	1,5
1396154_at	1876,1	P	0	3091,6	P	0	0,54	1,5
1368060_at	304,2	P	0,01	347,5	P	0	0,53	1,4
1368411_a_at	813,5	P	0	1148,6	P	0	0,53	1,4
1369350_at	173,5	A	0,08	218,7	P	0,01	0,53	1,4
1369617_at	426,9	P	0	646,3	P	0	0,53	1,4
1370959_at	326,7	P	0	515,8	P	0	0,53	1,4
1372926_at	91,3	P	0	130,7	P	0	0,53	1,4
1374252_at	197,9	P	0	266,1	P	0	0,53	1,4
1379425_at	172,5	A	0,11	259,1	P	0,02	0,53	1,4
1383587_at	1948,4	P	0	2814,6	P	0	0,53	1,4
1384418_at	365,3	M	0,06	632,5	P	0,03	0,53	1,4
1385449_s_at	250	P	0,01	383,2	P	0,01	0,53	1,4
1385458_a_at	173,5	P	0	209,2	P	0	0,53	1,4
1385921_at	1680,5	P	0	2277,5	P	0	0,53	1,4
1388409_at	1427,2	P	0	2166,7	P	0	0,53	1,4
1390527_at	126,9	P	0	149,3	P	0	0,53	1,4
1391512_at	246	P	0,01	297,2	P	0,01	0,53	1,4

1393217_at	230,6	P	0	366,8	P	0	0,53	1,4
1396170_at	307	P	0,02	489,4	P	0,01	0,53	1,4
1397663_at	2352,9	P	0	2953,6	P	0	0,53	1,4
1397774_at	132	P	0,01	210,7	P	0	0,53	1,4
1397983_at	1166,6	P	0,01	1676	P	0	0,53	1,4
1369557_at	76,6	A	0,13	140,9	P	0,02	0,52	1,4
1371024_at	224,6	P	0	351,3	P	0	0,52	1,4
1372520_at	241	P	0	489,2	P	0	0,52	1,4
1372850_at	202	P	0,01	305,9	P	0	0,52	1,4
1374066_at	390,1	P	0	573,6	P	0	0,52	1,4
1377014_at	104,8	A	0,1	153,8	P	0,01	0,52	1,4
1379160_at	317	P	0	366,9	P	0	0,52	1,4
1380638_at	289,7	P	0,01	342,8	P	0	0,52	1,4
1382311_at	559,1	A	0,13	975,2	P	0,01	0,52	1,4
1382536_at	717	P	0,03	998,6	P	0,02	0,52	1,4
1384112_at	227,4	P	0,01	309,1	P	0	0,52	1,4
1384328_at	479,7	P	0,03	764,2	P	0,02	0,52	1,4
1384852_at	202,1	A	0,11	372,3	P	0,02	0,52	1,4
1385967_at	1003,4	P	0	1596,3	P	0	0,52	1,4
1387662_at	454,8	P	0	664	P	0	0,52	1,4
1388791_at	572	P	0	792,8	P	0	0,52	1,4
1390767_at	269	P	0	458,7	P	0	0,52	1,4
1393038_at	354,7	P	0,03	692,1	P	0,02	0,52	1,4
1393324_at	446,3	P	0	581,9	P	0	0,52	1,4
1393610_at	728,7	P	0,01	1071,8	P	0,01	0,52	1,4
1395886_at	1213,4	P	0	1797,4	P	0	0,52	1,4
1396185_at	154	P	0,01	287,1	P	0	0,52	1,4
1397207_at	222,7	P	0,01	250,1	P	0	0,52	1,4
1368507_at	742,3	P	0	1099,8	P	0	0,51	1,4
1368856_at	134,7	P	0,01	242,3	P	0	0,51	1,4
1369559_a_at	813,3	P	0	1190,1	P	0	0,51	1,4
1369647_at	45,2	A	0,27	72,7	P	0,03	0,51	1,4
1369683_at	80,1	A	0,08	80,1	P	0,02	0,51	1,4
1370005_at	319,6	P	0	422,1	P	0	0,51	1,4
1370443_at	224,9	P	0,01	316,2	P	0,01	0,51	1,4

1371108_a_at	2370,7	P	0	3181,2	P	0	0,51	1,4
1372503_at	150,3	P	0	178	P	0	0,51	1,4
1372550_at	154	P	0	239,6	P	0	0,51	1,4
1373512_at	240	P	0	344,6	P	0	0,51	1,4
1374002_at	244,6	P	0,01	323,4	P	0	0,51	1,4
1377813_at	296,9	P	0,02	621,1	P	0	0,51	1,4
1382427_at	440,7	P	0,05	655,9	P	0,05	0,51	1,4
1382489_at	121,8	P	0	142,4	P	0	0,51	1,4
1382535_at	812,4	P	0	1101,7	P	0	0,51	1,4
1383327_at	1085,2	P	0	1896,8	P	0	0,51	1,4
1387849_at	336,6	P	0	550,4	P	0	0,51	1,4
1388221_at	290,8	P	0,01	501,9	P	0	0,51	1,4
1388425_at	301,8	P	0	404,8	P	0	0,51	1,4
1389486_at	143,7	P	0,05	188,7	P	0,01	0,51	1,4
1389528_s_at	318,4	P	0	475,6	P	0	0,51	1,4
1390559_at	83,2	A	0,13	130,2	P	0,03	0,51	1,4
1390928_at	299,4	P	0,03	404,5	P	0,01	0,51	1,4
1391510_at	132,2	P	0,02	225,2	P	0	0,51	1,4
1393480_at	96,5	P	0	141,5	P	0	0,51	1,4
1394797_at	376,8	P	0	658,3	P	0	0,51	1,4
1394814_at	128	A	0,08	131,1	P	0	0,51	1,4
1398509_at	35,7	A	0,22	64,8	P	0,01	0,51	1,4
1398537_at	2899,1	P	0	4476,4	P	0	0,51	1,4
1367874_at	238,5	P	0	389,5	P	0	0,5	1,4
1367910_at	308,2	P	0	417,1	P	0	0,5	1,4
1368947_at	164,2	P	0	218,6	P	0	0,5	1,4
1369077_at	523,8	P	0	780,3	P	0	0,5	1,4
1369172_at	179,7	M	0,06	288,8	P	0,02	0,5	1,4
1370024_at	1108,7	P	0	1657,7	P	0	0,5	1,4
1373535_at	276,3	P	0	367,7	P	0	0,5	1,4
1373577_at	132,3	P	0,01	182,3	P	0	0,5	1,4
1373840_at	209,3	P	0	375,5	P	0	0,5	1,4
1374257_at	65,4	A	0,22	102,8	P	0,05	0,5	1,4
1374911_at	185,3	A	0,17	284	P	0,02	0,5	1,4
1375339_at	513,8	P	0	1016,5	P	0	0,5	1,4

1375424_at	946	P	0	1092,2	P	0	0,5	1,4
1375705_at	2234,4	P	0	3117,7	P	0	0,5	1,4
1378475_at	535,3	P	0,02	840,4	P	0,01	0,5	1,4
1380218_at	367,5	A	0,08	555	P	0,03	0,5	1,4
1382955_at	197,4	A	0,1	313,1	P	0,01	0,5	1,4
1383309_at	509,4	P	0,02	726,7	P	0,01	0,5	1,4
1387095_at	297,9	P	0	428,2	P	0,01	0,5	1,4
1387205_at	338,3	P	0	581,6	P	0	0,5	1,4
1388686_at	567,6	P	0	1040,5	P	0	0,5	1,4
1389865_at	130,4	P	0,02	191	P	0	0,5	1,4
1392719_at	301,9	P	0	414,6	P	0	0,5	1,4
1393784_at	484,3	P	0	714,7	P	0	0,5	1,4
1394695_at	347,2	P	0	577,2	P	0	0,5	1,4
1394965_at	509,9	P	0,01	884,6	P	0	0,5	1,4
1395343_at	287,8	P	0	464,5	P	0	0,5	1,4
1398109_at	629,7	A	0,08	899,1	P	0,01	0,5	1,4
1398277_at	191,5	P	0,02	243,1	P	0	0,5	1,4
1398353_at	712,4	P	0	817,5	P	0	0,5	1,4
1399118_at	252,1	P	0	490,9	P	0	0,5	1,4
1368012_at	164,2	P	0,03	217,9	P	0,01	0,49	1,4
1368754_at	197,4	A	0,19	434,2	P	0,01	0,49	1,4
1369472_a_at	275,8	P	0,05	366,3	P	0,03	0,49	1,4
1370163_at	568,2	P	0	682,4	P	0	0,49	1,4
1370309_a_at	958,4	P	0	1531,3	P	0	0,49	1,4
1370690_at	395,2	P	0	459,4	P	0	0,49	1,4
1372082_at	266,4	P	0	363,1	P	0	0,49	1,4
1372190_at	1642,3	P	0	2380,7	P	0	0,49	1,4
1373421_at	108,8	A	0,3	154,4	P	0,01	0,49	1,4
1373884_at	250,5	P	0	358,7	P	0	0,49	1,4
1375700_at	464	P	0,01	487,1	P	0	0,49	1,4
1377759_at	217,2	P	0,01	305	P	0	0,49	1,4
1379611_at	636,9	M	0,06	985,9	P	0,01	0,49	1,4
1387769_a_at	662,5	P	0	940,2	P	0	0,49	1,4
1387870_at	156,1	P	0	253,4	P	0	0,49	1,4
1388002_at	297,1	P	0,01	471,6	P	0	0,49	1,4

1388521_at	332,4	P	0	411,5	P	0	0,49	1,4
1389059_at	1662,8	P	0	2368,6	P	0	0,49	1,4
1390430_at	656,9	P	0	1087	P	0	0,49	1,4
1390486_at	274,5	P	0	396,6	P	0	0,49	1,4
1392724_at	1448,2	P	0	1963,4	P	0	0,49	1,4
1394363_at	675,2	P	0	1017,1	P	0	0,49	1,4
1397959_at	356,5	P	0,01	395,5	P	0	0,49	1,4
1398375_at	207,1	P	0	238,3	P	0	0,49	1,4
1368091_at	213	P	0	255,3	P	0	0,48	1,4
1368511_at	1715	P	0	2247,6	P	0	0,48	1,4
1368843_at	626,7	P	0	713,6	P	0	0,48	1,4
1368899_at	134,7	P	0,01	192,5	P	0,01	0,48	1,4
1369256_at	180,3	P	0	279,1	P	0	0,48	1,4
1369482_a_at	931,4	P	0	1199,8	P	0	0,48	1,4
1369518_at	182	A	0,07	291,6	P	0,04	0,48	1,4
1369627_at	1075,8	P	0	1398,1	P	0	0,48	1,4
1370129_at	418,7	P	0	574,5	P	0	0,48	1,4
1370183_at	253,5	P	0	329,5	P	0	0,48	1,4
1371005_at	170,5	P	0,04	238,3	P	0,01	0,48	1,4
1371998_at	226,5	P	0,01	621,4	P	0,01	0,48	1,4
1372301_at	159,6	A	0,1	212,4	P	0,02	0,48	1,4
1374457_at	126,6	P	0,02	221,9	P	0,01	0,48	1,4
1375345_at	472,6	P	0	596,5	P	0	0,48	1,4
1376751_at	116,8	A	0,15	194,1	P	0,03	0,48	1,4
1377020_at	247,7	P	0	357,6	P	0	0,48	1,4
1377198_at	221,6	A	0,07	334,6	P	0,03	0,48	1,4
1377580_at	670,8	P	0	843,4	P	0	0,48	1,4
1377765_at	1220,5	P	0	1729,5	P	0	0,48	1,4
1379232_at	219,6	P	0	275,1	P	0	0,48	1,4
1379298_at	105,6	P	0	162,7	P	0	0,48	1,4
1381374_at	2810,8	P	0	4043,6	P	0	0,48	1,4
1385550_at	206,5	P	0,04	302,6	P	0,03	0,48	1,4
1386604_at	165,2	P	0	244,6	P	0	0,48	1,4
1387227_at	529,3	P	0,01	713	P	0,01	0,48	1,4
1387589_at	238,6	P	0,04	314,3	P	0,01	0,48	1,4

1388206_a_at	903,7	P	0	1458	P	0	0,48	1,4
1391743_at	704,4	P	0	941,9	P	0	0,48	1,4
1391948_at	631,6	P	0,02	685,8	P	0	0,48	1,4
1392590_at	350,6	P	0	428,6	P	0	0,48	1,4
1392639_at	454,2	P	0,01	654,1	P	0	0,48	1,4
1393701_at	90,7	P	0	124,8	P	0	0,48	1,4
1399094_at	292,1	P	0	343,8	P	0	0,48	1,4
1367657_at	880,6	P	0	1175,6	P	0	0,47	1,4
1367774_at	1505	P	0	1811,5	P	0	0,47	1,4
1368483_a_at	108,1	A	0,17	157,4	P	0,05	0,47	1,4
1369130_at	464,1	P	0	610,7	P	0	0,47	1,4
1369517_at	248,6	P	0	362,2	P	0	0,47	1,4
1369793_a_at	278,8	P	0	397,8	P	0	0,47	1,4
1370174_at	274,6	P	0,02	367	P	0	0,47	1,4
1370570_at	327,4	P	0,01	422,4	P	0	0,47	1,4
1373268_at	666,7	P	0	964,7	P	0	0,47	1,4
1373699_at	200,6	P	0,01	211,7	P	0	0,47	1,4
1375522_at	484,7	P	0	761,1	P	0	0,47	1,4
1376591_a_at	234,8	P	0	273,6	P	0	0,47	1,4
1376729_at	224,2	P	0	215,1	P	0	0,47	1,4
1377683_at	1335,1	P	0	1699,8	P	0	0,47	1,4
1378152_at	1593,6	P	0	2157,4	P	0	0,47	1,4
1379556_a_at	211,5	P	0	285,5	P	0	0,47	1,4
1381358_at	554,3	P	0,05	735,6	P	0	0,47	1,4
1381428_a_at	2386,1	P	0	3538,8	P	0	0,47	1,4
1382364_at	644,2	P	0	1099,7	P	0	0,47	1,4
1382809_at	260,1	P	0	478	P	0	0,47	1,4
1382939_at	215,1	P	0,01	292	P	0	0,47	1,4
1384888_at	299,1	P	0,05	508,5	P	0	0,47	1,4
1385035_at	272,1	P	0	385,7	P	0	0,47	1,4
1386888_at	288,8	A	0,1	413,5	P	0,01	0,47	1,4
1387342_at	1056,4	P	0	1401,2	P	0	0,47	1,4
1387538_at	213,5	P	0	306,8	P	0	0,47	1,4
1387639_at	265,6	P	0,01	375,2	P	0	0,47	1,4
1388024_s_at	294,5	P	0,02	436,6	P	0	0,47	1,4

1388078_a_at	193,9	P	0	246,5	P	0	0,47	1,4
1388759_at	1083,2	P	0	1442,2	P	0	0,47	1,4
1388810_at	386,4	P	0	535,2	P	0	0,47	1,4
1390109_at	348,8	P	0	445,8	P	0	0,47	1,4
1391416_at	1179,2	P	0	1574	P	0	0,47	1,4
1391906_at	1399,7	P	0	2118,7	P	0	0,47	1,4
1392902_at	401,5	P	0	426,7	P	0	0,47	1,4
1395248_at	144,4	A	0,13	215,1	P	0,01	0,47	1,4
1395687_at	208,7	P	0,03	210,8	P	0,01	0,47	1,4
1397328_at	1912,4	P	0	3231,5	P	0	0,47	1,4
1398771_at	1511,9	P	0	2259,6	P	0	0,47	1,4
1367743_at	790,3	P	0	1074,6	P	0	0,46	1,4
1368997_at	113,5	P	0,01	131,3	P	0	0,46	1,4
1369452_a_at	369,5	P	0	487,5	P	0	0,46	1,4
1369785_at	183,3	P	0	304	P	0	0,46	1,4
1370212_at	106,5	P	0,01	193,3	P	0	0,46	1,4
1370682_at	57,7	A	0,11	80,4	P	0,02	0,46	1,4
1371055_at	233,1	P	0,03	314,1	P	0	0,46	1,4
1372758_at	337,1	P	0,02	421	P	0	0,46	1,4
1372885_at	374	P	0	451,3	P	0	0,46	1,4
1372955_at	162,3	M	0,06	230	P	0,01	0,46	1,4
1373072_at	642,2	P	0	1072,4	P	0	0,46	1,4
1373080_at	260,9	P	0	323,6	P	0	0,46	1,4
1373934_at	166,8	P	0,01	176,4	P	0	0,46	1,4
1374422_at	470	P	0	606,2	P	0	0,46	1,4
1375253_at	608,2	P	0	1082,8	P	0	0,46	1,4
1375436_at	375,8	M	0,06	452,5	P	0,03	0,46	1,4
1378204_at	576,6	P	0	810,8	P	0	0,46	1,4
1378572_at	1338,5	P	0	1824,9	P	0	0,46	1,4
1385214_at	1963,3	P	0	2602,9	P	0	0,46	1,4
1387054_at	278,5	P	0,01	342,7	P	0	0,46	1,4
1387277_at	161,7	A	0,08	231,5	P	0,04	0,46	1,4
1387353_at	259,6	P	0,01	292,3	P	0	0,46	1,4
1387429_at	502,8	P	0	701,3	P	0	0,46	1,4
1387806_at	713,9	P	0	1057,9	P	0	0,46	1,4

1388263_at	166	A	0,17	368,4	P	0,04	0,46	1,4
1389039_at	132,3	P	0,01	202,2	P	0	0,46	1,4
1389274_at	472,4	P	0,02	715,8	P	0,01	0,46	1,4
1390315_a_at	318,5	P	0	441,2	P	0	0,46	1,4
1391690_at	292,9	A	0,1	429,9	P	0,01	0,46	1,4
1391855_at	810,1	P	0	944,9	P	0	0,46	1,4
1392616_at	607,2	P	0	705,3	P	0	0,46	1,4
1393595_at	305,8	P	0	380,8	P	0	0,46	1,4
1393983_at	767,4	P	0	1171	P	0	0,46	1,4
1395261_at	973,7	P	0,02	1484,7	P	0,01	0,46	1,4
1398351_at	347,4	P	0	754,8	P	0	0,46	1,4
1398643_at	550	P	0	545,3	P	0	0,46	1,4
1398925_at	666,3	P	0	1124,9	P	0	0,46	1,4
1368944_at	382,5	P	0	534,3	P	0	0,45	1,4
1368953_at	66	A	0,08	155,8	P	0,01	0,45	1,4
1370409_at	453,7	P	0,02	523,9	P	0,01	0,45	1,4
1370485_a_at	132,1	P	0	170,3	P	0	0,45	1,4
1370529_a_at	211,8	P	0,04	334,9	P	0,01	0,45	1,4
1370773_a_at	346,7	P	0	412	P	0	0,45	1,4
1370857_at	307,1	P	0	529,2	P	0	0,45	1,4
1371175_a_at	140,1	M	0,06	197,8	P	0,02	0,45	1,4
1374860_at	202,1	P	0	275	P	0	0,45	1,4
1376065_at	130,4	A	0,07	135,8	P	0,01	0,45	1,4
1376245_x_at	337,3	P	0,01	542,3	P	0	0,45	1,4
1377244_at	137,2	P	0,01	186,1	P	0	0,45	1,4
1380503_at	182,4	P	0,01	261,7	P	0	0,45	1,4
1382843_at	576,8	P	0	733,2	P	0	0,45	1,4
1384087_at	271,2	P	0,04	317,1	P	0,01	0,45	1,4
1385187_at	533,5	P	0,01	721,6	P	0	0,45	1,4
1385199_a_at	43,9	P	0,05	49,5	P	0,01	0,45	1,4
1385281_at	511,2	P	0,03	460,2	P	0,01	0,45	1,4
1387236_at	382,1	P	0	503,3	P	0	0,45	1,4
1387346_at	229,8	P	0,01	320,8	P	0	0,45	1,4
1387876_at	130,6	P	0	148,4	P	0	0,45	1,4
1388864_at	208,8	P	0,02	321,5	P	0,02	0,45	1,4

1393738_s_at	181	P	0,03	303	P	0	0,45	1,4
1394182_at	434,6	P	0,01	529,8	P	0	0,45	1,4
1394393_at	1380,5	P	0	1782,2	P	0	0,45	1,4
1394897_at	391,8	P	0,03	740,7	P	0,01	0,45	1,4
1395086_at	107,3	P	0,05	234	P	0	0,45	1,4
1397525_at	376,4	P	0	522,3	P	0	0,45	1,4
1368082_at	521,3	P	0	691,4	P	0	0,44	1,4
1368143_at	278,8	P	0	402,1	P	0	0,44	1,4
1368668_at	208,2	P	0	336,4	P	0	0,44	1,4
1369415_at	373,2	P	0	486	P	0	0,44	1,4
1369969_at	820,7	P	0	1078,5	P	0	0,44	1,4
1370121_at	738	P	0	883,4	P	0	0,44	1,4
1370933_at	290,7	P	0	415,2	P	0	0,44	1,4
1371051_at	574,5	P	0	761,6	P	0	0,44	1,4
1371481_at	1451,3	P	0	1978,2	P	0	0,44	1,4
1372246_at	470,9	P	0	702,3	P	0	0,44	1,4
1372421_at	439,3	P	0	568,1	P	0	0,44	1,4
1372834_at	426,8	P	0	508,2	P	0	0,44	1,4
1373284_at	147,5	P	0,01	227,2	P	0	0,44	1,4
1373431_at	263,4	P	0	488,2	P	0	0,44	1,4
1374947_at	75,3	P	0,01	119,8	P	0	0,44	1,4
1375723_at	113,9	A	0,1	133,7	P	0,02	0,44	1,4
1375951_at	58,5	P	0,01	82,5	P	0,01	0,44	1,4
1377556_at	2548,1	P	0	3381,3	P	0	0,44	1,4
1378362_at	298,1	P	0	393,9	P	0	0,44	1,4
1380381_at	1211,9	P	0	1659,5	P	0	0,44	1,4
1381396_s_at	633,1	P	0	742,2	P	0	0,44	1,4
1384017_at	399,5	P	0,05	663,9	P	0,01	0,44	1,4
1384582_at	291,7	P	0	340,7	P	0	0,44	1,4
1384856_at	577,6	P	0,02	712,4	P	0	0,44	1,4
1386850_x_at	299,3	M	0,06	402,2	P	0,04	0,44	1,4
1388320_at	672,5	P	0,03	904,1	P	0,01	0,44	1,4
1388500_at	609,8	P	0,01	1046,9	P	0	0,44	1,4
1389165_at	509,2	P	0	677,7	P	0	0,44	1,4
1389526_at	381,5	P	0	555	P	0	0,44	1,4

1389583_at	123,1	P	0,05	182,1	P	0,01	0,44	1,4
1389693_at	83,8	P	0,04	142,9	P	0,01	0,44	1,4
1390502_at	173,9	P	0,01	262,1	P	0	0,44	1,4
1393754_at	408,7	P	0	568,3	P	0	0,44	1,4
1394643_at	306,1	P	0,03	459,6	P	0,01	0,44	1,4
1394939_at	691,7	P	0	881,1	P	0	0,44	1,4
1396845_at	249,1	A	0,07	388,3	P	0	0,44	1,4
1398362_at	291,1	P	0	427,7	P	0	0,44	1,4
1398369_at	244,1	P	0	335,8	P	0	0,44	1,4
1398386_at	473,9	P	0	593,7	P	0	0,44	1,4
1367844_at	1098,3	P	0	1493,6	P	0	0,43	1,3
1367958_at	340,7	P	0,01	455,9	P	0	0,43	1,3
1368771_at	162,1	P	0	179,5	P	0	0,43	1,3
1368929_at	289,5	P	0	356,3	P	0	0,43	1,3
1369040_at	200,9	P	0,01	280,5	P	0,01	0,43	1,3
1369174_at	91,8	P	0	146,1	P	0	0,43	1,3
1369791_at	245,5	P	0,02	301,1	P	0,01	0,43	1,3
1369952_at	1997,9	P	0	2691,2	P	0	0,43	1,3
1370530_a_at	179,2	P	0	223,3	P	0	0,43	1,3
1370760_a_at	521,9	P	0	759,3	P	0	0,43	1,3
1370875_at	952,6	P	0	1173	P	0	0,43	1,3
1371521_at	577,2	P	0	580	P	0	0,43	1,3
1372027_at	240	P	0,03	232,5	P	0	0,43	1,3
1372752_at	184,7	P	0,03	245	P	0,01	0,43	1,3
1376077_at	188,8	A	0,07	270	P	0,01	0,43	1,3
1379592_at	382,3	P	0,02	523,3	P	0	0,43	1,3
1380816_at	1017,8	A	0,08	1448,4	P	0,02	0,43	1,3
1382615_at	364,7	P	0	542,1	P	0	0,43	1,3
1384005_at	416,5	P	0	462,9	P	0	0,43	1,3
1384147_at	137,2	P	0,05	147,8	P	0,02	0,43	1,3
1384678_at	1216,8	P	0	1500,8	P	0	0,43	1,3
1387447_at	1593,6	P	0	2156,4	P	0	0,43	1,3
1388080_a_at	401,6	P	0	548,8	P	0	0,43	1,3
1389317_at	672,7	P	0	830,4	P	0	0,43	1,3
1391491_a_at	586,6	P	0	780,8	P	0	0,43	1,3

1394490_at	360,9	P	0	505	P	0	0,43	1,3
1395525_at	401,1	A	0,07	748,3	P	0,04	0,43	1,3
1396145_at	1274,7	P	0	1735,4	P	0	0,43	1,3
1399099_at	445,6	P	0	645,2	P	0	0,43	1,3
1368295_at	276,8	P	0	509,2	P	0	0,42	1,3
1368327_at	285,7	A	0,11	500,1	P	0,04	0,42	1,3
1368704_a_at	1255,7	P	0	1803,2	P	0	0,42	1,3
1369056_at	47,7	P	0,04	57,2	P	0,02	0,42	1,3
1369069_at	262,7	P	0	472,6	P	0	0,42	1,3
1369103_at	523,8	P	0	595,8	P	0	0,42	1,3
1369285_at	161,1	P	0	211,6	P	0	0,42	1,3
1370262_at	248,1	P	0,01	398	P	0	0,42	1,3
1370518_a_at	929,5	P	0	1356,6	P	0	0,42	1,3
1370819_at	481,9	P	0,01	564,9	P	0	0,42	1,3
1371310_s_at	459,4	P	0,01	527,8	P	0	0,42	1,3
1372365_at	342,1	P	0,01	384,9	P	0	0,42	1,3
1372517_at	245,1	P	0,01	342,7	P	0,01	0,42	1,3
1375137_at	793,1	P	0	1263	P	0	0,42	1,3
1375335_at	3741,4	P	0	4871	P	0	0,42	1,3
1377781_at	235,6	P	0,01	307,8	P	0,01	0,42	1,3
1379555_at	801,2	P	0	965,2	P	0	0,42	1,3
1380324_at	467,5	P	0,01	700,1	P	0	0,42	1,3
1380533_at	7349	P	0	7976,7	P	0	0,42	1,3
1380744_at	778,8	P	0	986,1	P	0	0,42	1,3
1382012_at	220,1	P	0,01	305,9	P	0	0,42	1,3
1382099_at	322,4	P	0	420,1	P	0	0,42	1,3
1382402_at	947,4	P	0,01	1306,3	P	0,01	0,42	1,3
1382561_at	841,1	P	0,01	1396,8	P	0,01	0,42	1,3
1385359_at	3301,8	P	0	4035,3	P	0	0,42	1,3
1387501_at	277,1	A	0,08	377,8	P	0,03	0,42	1,3
1387512_at	810,4	P	0	1096,8	P	0	0,42	1,3
1387680_at	762,5	P	0,02	743	P	0,01	0,42	1,3
1388150_at	472,9	P	0	583	P	0	0,42	1,3
1389162_at	305,5	P	0	369,5	P	0	0,42	1,3
1389302_at	169,5	P	0	182,3	P	0	0,42	1,3

1391658_at	986,9	P	0	1487	P	0	0,42	1,3
1392963_at	1309,8	P	0,04	1880,7	P	0,01	0,42	1,3
1395557_at	354,5	P	0	457,7	P	0	0,42	1,3
1395744_at	194,9	P	0,02	304,9	P	0	0,42	1,3
1395791_at	687,1	P	0	955,1	P	0	0,42	1,3
1395802_at	1694,3	P	0	1693,4	P	0	0,42	1,3
1396152_s_at	361,2	P	0	519	P	0	0,42	1,3
1396187_at	648,7	P	0	925,7	P	0	0,42	1,3
1397439_at	676,2	P	0,01	1078,9	P	0	0,42	1,3
1398836_s_at	7884	P	0	10246,9	P	0	0,42	1,3
1367847_at	170,9	P	0,04	270,6	P	0,01	0,41	1,3
1367971_at	855	P	0	949,7	P	0	0,41	1,3
1368027_at	151,3	A	0,11	224,7	P	0,03	0,41	1,3
1368030_at	236,5	P	0,01	286,7	P	0	0,41	1,3
1368655_at	386	P	0,01	390,5	P	0	0,41	1,3
1369212_s_at	706,2	P	0	930,8	P	0	0,41	1,3
1369234_at	453,2	P	0,03	600,7	P	0,01	0,41	1,3
1369265_at	394,8	P	0	482,1	P	0	0,41	1,3
1369798_at	1635,7	P	0	2229,3	P	0	0,41	1,3
1370611_at	143,5	P	0,02	226,1	P	0,01	0,41	1,3
1371483_at	564,8	P	0	736,2	P	0	0,41	1,3
1372234_at	231,2	P	0	378,3	P	0	0,41	1,3
1373416_at	143,7	A	0,07	160,4	P	0,01	0,41	1,3
1373473_a_at	301	P	0	397,7	P	0	0,41	1,3
1374401_at	237,5	P	0	346,3	P	0	0,41	1,3
1374404_at	190,4	P	0	246,2	P	0	0,41	1,3
1375117_at	211,8	P	0,02	273,8	P	0,01	0,41	1,3
1376149_at	471,7	P	0	675,8	P	0	0,41	1,3
1376315_at	198,2	P	0	283,1	P	0	0,41	1,3
1378679_at	574,7	P	0	820,7	P	0	0,41	1,3
1379515_at	1243,2	P	0	1143,2	P	0	0,41	1,3
1380725_at	1035,9	P	0	1401,4	P	0	0,41	1,3
1381021_at	490,3	M	0,06	731,5	P	0,02	0,41	1,3
1382537_at	2129,8	P	0	3234,5	P	0	0,41	1,3
1383182_at	1016	P	0	1562	P	0	0,41	1,3

1383219_at	316,3	P	0	444,5	P	0	0,41	1,3
1384608_at	1405,4	P	0	2229,1	P	0	0,41	1,3
1386581_at	444,8	P	0	558,1	P	0	0,41	1,3
1387659_at	295,8	P	0,02	402,8	P	0	0,41	1,3
1388064_a_at	1596,2	P	0	2089,1	P	0	0,41	1,3
1388148_a_at	497,3	P	0	657,4	P	0	0,41	1,3
1388455_at	1016,1	P	0	1226,3	P	0	0,41	1,3
1388941_at	353,5	P	0,01	476,2	P	0	0,41	1,3
1389246_at	176,6	P	0,02	317,6	P	0	0,41	1,3
1389387_at	285,4	P	0	432,5	P	0	0,41	1,3
1389840_at	268	P	0	365,9	P	0	0,41	1,3
1391555_at	515,6	P	0	733,6	P	0	0,41	1,3
1394000_at	786	P	0	1125,3	P	0	0,41	1,3
1395246_at	612,9	P	0	789,8	P	0	0,41	1,3
1395327_at	970,8	P	0	1338,3	P	0	0,41	1,3
1395699_at	825,1	P	0	1141,5	P	0	0,41	1,3
1396085_at	299,3	A	0,11	324,8	P	0	0,41	1,3
1397218_at	238,1	P	0,05	304,8	P	0,02	0,41	1,3
1398303_s_at	267,6	P	0,01	419,5	P	0,01	0,41	1,3
1367831_at	343,2	P	0	373,4	P	0	0,4	1,3
1367849_at	114,2	P	0,04	116,7	P	0,01	0,4	1,3
1369044_a_at	265,8	P	0,01	412,3	P	0	0,4	1,3
1369272_at	104	M	0,06	142,6	P	0	0,4	1,3
1369953_a_at	381,4	P	0	555,1	P	0	0,4	1,3
1370123_a_at	156	P	0,05	235,6	P	0,05	0,4	1,3
1370686_at	283,5	P	0	347	P	0	0,4	1,3
1370711_a_at	52,6	P	0,04	86,5	P	0,01	0,4	1,3
1371003_at	431,6	P	0,02	539,2	P	0	0,4	1,3
1371069_at	85,8	P	0,03	155,7	P	0	0,4	1,3
1371382_at	313	P	0,01	379,1	P	0	0,4	1,3
1372447_at	564,2	P	0	848,3	P	0	0,4	1,3
1372491_at	765,2	P	0	1012,5	P	0	0,4	1,3
1373233_at	252,2	P	0,01	394,7	P	0	0,4	1,3
1373721_at	74,4	P	0,02	155	P	0	0,4	1,3
1373955_at	666,3	P	0	999	P	0	0,4	1,3

1374501_at	938,7	P	0	1109,7	P	0	0,4	1,3
1375523_at	1224,4	P	0	1149	P	0	0,4	1,3
1375792_at	108,2	P	0	128,5	P	0	0,4	1,3
1376952_at	918,9	P	0	1224,3	P	0	0,4	1,3
1377070_at	364,4	P	0	332,9	P	0	0,4	1,3
1377686_at	577,9	P	0	724	P	0	0,4	1,3
1378821_at	528,1	A	0,11	907,6	P	0,03	0,4	1,3
1378848_at	41,7	A	0,1	62,7	P	0,02	0,4	1,3
1378927_at	923,5	P	0	1335,2	P	0	0,4	1,3
1379671_at	1034,2	P	0	1383,5	P	0	0,4	1,3
1380053_at	943,7	P	0	1283,7	P	0	0,4	1,3
1380172_at	734,3	P	0	920,7	P	0	0,4	1,3
1380646_at	534	P	0,01	671,4	P	0	0,4	1,3
1382361_at	120,7	A	0,22	151,8	P	0,04	0,4	1,3
1382363_at	340	P	0,01	592,4	P	0,01	0,4	1,3
1384060_at	2054,8	P	0	2486,8	P	0	0,4	1,3
1385069_at	1120,2	P	0,04	1397,3	P	0,01	0,4	1,3
1386958_at	458,3	P	0	642,6	P	0	0,4	1,3
1387187_a_at	68,8	A	0,07	86,1	P	0,04	0,4	1,3
1387204_at	441,9	P	0	603,2	P	0	0,4	1,3
1387841_at	254,8	P	0	350,2	P	0	0,4	1,3
1388030_a_at	956,9	P	0	1253,8	P	0	0,4	1,3
1388739_at	231,8	P	0	414,8	P	0	0,4	1,3
1388769_at	253,1	P	0	336,7	P	0	0,4	1,3
1388930_at	140,3	P	0,01	196,9	P	0	0,4	1,3
1393336_at	649,6	P	0,01	1029,5	P	0	0,4	1,3
1395144_at	552,7	P	0	800,6	P	0	0,4	1,3
1395337_at	303	A	0,1	425,4	P	0,03	0,4	1,3
1395914_at	1677,1	P	0	2025,3	P	0	0,4	1,3
1397405_at	1594,1	P	0	2169,9	P	0	0,4	1,3
1399144_at	530,1	P	0	812,6	P	0	0,4	1,3
1368215_at	509,3	P	0,01	655,1	P	0	0,39	1,3
1368440_at	587,5	P	0	802,7	P	0	0,39	1,3
1368660_at	148,4	P	0,01	266,2	P	0	0,39	1,3
1368849_at	196,3	P	0	257	P	0	0,39	1,3

1368982_at	207,7	P	0,01	268,7	P	0,01	0,39	1,3
1369912_at	146,7	P	0,01	220,4	P	0	0,39	1,3
1370687_a_at	975,7	P	0	1251,6	P	0	0,39	1,3
1371019_at	108,7	A	0,07	138,6	P	0,03	0,39	1,3
1371769_at	322,1	P	0,03	494,9	P	0,01	0,39	1,3
1371873_at	534,3	P	0	678,7	P	0	0,39	1,3
1371960_at	243,9	P	0	397,6	P	0	0,39	1,3
1372778_at	293,8	P	0	412,9	P	0	0,39	1,3
1372793_at	82,8	P	0	144,4	P	0	0,39	1,3
1374034_at	484,3	P	0	651,8	P	0	0,39	1,3
1375676_at	450,6	P	0	567,7	P	0	0,39	1,3
1375765_at	521,4	P	0	708,7	P	0	0,39	1,3
1379325_at	988,6	P	0	1208,9	P	0	0,39	1,3
1379578_at	632,2	P	0,01	985,6	P	0	0,39	1,3
1379590_at	772,7	P	0	1006,6	P	0	0,39	1,3
1381098_at	440,7	P	0	699,6	P	0	0,39	1,3
1382213_at	1027,3	P	0	1410,5	P	0	0,39	1,3
1383755_at	378,3	P	0,01	387,1	P	0	0,39	1,3
1385489_at	1532,8	P	0	2300,3	P	0	0,39	1,3
1385699_at	737,7	P	0	1079,4	P	0	0,39	1,3
1386809_at	672	P	0	1159,7	P	0	0,39	1,3
1386878_at	616	P	0	758,8	P	0	0,39	1,3
1387276_at	494	P	0	665,3	P	0	0,39	1,3
1387514_at	73	P	0,04	101,9	P	0,02	0,39	1,3
1387785_at	597,2	P	0	777,5	P	0	0,39	1,3
1388089_a_at	687,2	P	0	843,5	P	0	0,39	1,3
1388251_at	209,1	P	0,05	257,7	P	0,01	0,39	1,3
1388711_at	112,4	P	0,01	183,3	P	0	0,39	1,3
1390814_at	1089,5	P	0	1309,4	P	0	0,39	1,3
1392254_at	499,9	P	0,04	646,3	P	0,01	0,39	1,3
1393810_at	569,9	A	0,07	769,9	P	0,03	0,39	1,3
1395894_at	554,9	P	0,01	800,4	P	0	0,39	1,3
1396409_at	418	P	0	664,9	P	0	0,39	1,3
1397648_at	173	A	0,08	236,4	P	0,04	0,39	1,3
1398769_at	644,9	P	0,01	724,9	P	0	0,39	1,3

1367661_at	140,7	P	0,03	203,2	P	0	0,38	1,3
1367722_at	913,5	P	0	1188,2	P	0	0,38	1,3
1367723_a_at	198	P	0	263,6	P	0	0,38	1,3
1368975_at	107,8	P	0	159,5	P	0	0,38	1,3
1369177_at	305,4	P	0	482,2	P	0	0,38	1,3
1369421_at	159,5	P	0	214,3	P	0	0,38	1,3
1369463_at	149,3	A	0,1	188,6	P	0,03	0,38	1,3
1370046_at	85,6	A	0,08	150,7	P	0	0,38	1,3
1370928_at	658,6	P	0	927,1	P	0	0,38	1,3
1372255_at	322,1	P	0	405,9	P	0	0,38	1,3
1373350_at	68,7	P	0,01	79,7	P	0	0,38	1,3
1374437_at	1112,1	P	0	1429,6	P	0	0,38	1,3
1374661_at	265,3	P	0,01	377	P	0,01	0,38	1,3
1376733_at	619,7	P	0	920,4	P	0	0,38	1,3
1376894_at	144,5	P	0,02	187,9	P	0,02	0,38	1,3
1378587_at	2245,4	P	0	2691,2	P	0	0,38	1,3
1380435_at	1020,5	P	0	1377,2	P	0	0,38	1,3
1381304_at	250,2	A	0,11	366	P	0,04	0,38	1,3
1381586_at	256,2	M	0,06	360,5	P	0,01	0,38	1,3
1381968_at	487,9	P	0	600,2	P	0	0,38	1,3
1382680_at	64,8	A	0,25	84,7	P	0,01	0,38	1,3
1383577_at	55,2	P	0,02	73,1	P	0	0,38	1,3
1385783_at	781	P	0	1155	P	0	0,38	1,3
1386096_at	677,4	A	0,17	980	P	0,05	0,38	1,3
1387977_at	156,5	P	0,01	160,3	P	0	0,38	1,3
1388000_at	612,2	P	0	759	P	0	0,38	1,3
1388216_at	171,4	A	0,07	231,6	P	0,03	0,38	1,3
1388413_at	312,9	P	0	383,3	P	0	0,38	1,3
1388565_at	539,8	P	0	712,4	P	0	0,38	1,3
1388571_at	232,4	P	0	332	P	0	0,38	1,3
1389116_at	220,8	P	0,02	308,7	P	0	0,38	1,3
1389287_at	149,9	P	0,01	205,6	P	0	0,38	1,3
1389294_at	411,1	P	0	602,9	P	0	0,38	1,3
1389732_at	97,6	A	0,11	131	P	0,01	0,38	1,3
1391846_at	672,8	P	0	784,9	P	0	0,38	1,3

1395036_at	294,4	P	0	348,8	P	0	0,38	1,3
1395367_at	592,9	A	0,07	787,1	P	0,03	0,38	1,3
1395621_at	902,4	P	0	1130,7	P	0	0,38	1,3
1398062_at	917,5	P	0	1082,1	P	0	0,38	1,3
1398811_at	559,3	P	0	657,1	P	0	0,38	1,3
1368025_at	510,8	P	0	633,7	P	0	0,37	1,3
1368184_at	260,8	P	0	343	P	0	0,37	1,3
1368449_at	486,5	P	0	498,6	P	0	0,37	1,3
1368654_at	128,2	P	0,01	189,2	P	0	0,37	1,3
1369597_at	580,1	P	0	741	P	0	0,37	1,3
1370380_s_at	104	M	0,06	126,2	P	0,01	0,37	1,3
1370381_at	310,1	P	0	399,7	P	0	0,37	1,3
1371188_a_at	221,9	P	0	267,2	P	0	0,37	1,3
1371583_at	720,7	P	0	851,6	P	0	0,37	1,3
1374751_at	129,4	P	0,02	156,7	P	0,01	0,37	1,3
1375585_at	259,9	P	0	333,7	P	0	0,37	1,3
1379272_at	122,8	A	0,07	204,8	P	0,01	0,37	1,3
1380808_at	1630	P	0	2052,6	P	0	0,37	1,3
1383037_at	1250,6	P	0	1544,8	P	0	0,37	1,3
1383058_at	496,3	P	0	638	P	0	0,37	1,3
1383075_at	61,4	P	0,03	184,9	P	0,01	0,37	1,3
1384069_at	2478,1	P	0	3012,9	P	0	0,37	1,3
1386992_at	167,7	P	0	244,2	P	0	0,37	1,3
1387440_at	149,6	A	0,1	186,3	P	0,01	0,37	1,3
1388120_at	474,6	P	0	520,7	P	0	0,37	1,3
1388530_at	283,5	P	0,05	335,4	P	0	0,37	1,3
1389127_at	277,6	P	0,01	438,1	P	0	0,37	1,3
1389167_at	303	P	0,01	386,4	P	0	0,37	1,3
1390111_at	363,1	P	0	491,7	P	0	0,37	1,3
1390707_at	822,9	P	0	1090,6	P	0	0,37	1,3
1392936_at	321	P	0,01	412,5	P	0	0,37	1,3
1393331_at	591,9	P	0	915,8	P	0	0,37	1,3
1398452_at	112,4	P	0,01	202,2	P	0	0,37	1,3
1398533_at	3384,1	P	0	4696,4	P	0	0,37	1,3
1398878_at	268	P	0,02	327,9	P	0,01	0,37	1,3

1398888_at	1651,8	P	0	2314,8	P	0	0,37	1,3
1367640_at	3216,5	P	0	4313,4	P	0	0,36	1,3
1368044_at	1364,5	P	0	2157,8	P	0	0,36	1,3
1368879_a_at	1141,1	P	0	1558,1	P	0	0,36	1,3
1369236_at	113,4	P	0	153	P	0	0,36	1,3
1369326_at	151,6	P	0	187,5	P	0	0,36	1,3
1370880_at	239,6	P	0	313,8	P	0	0,36	1,3
1371688_at	852,1	P	0	1154	P	0	0,36	1,3
1371803_at	537,8	P	0	695,7	P	0	0,36	1,3
1373435_at	888,3	P	0,01	1002,4	P	0,02	0,36	1,3
1374505_at	347,1	P	0,01	464,8	P	0,01	0,36	1,3
1374792_at	479,1	P	0	566,4	P	0	0,36	1,3
1375351_at	526,7	P	0,01	663,4	P	0	0,36	1,3
1376867_at	152,3	P	0	224	P	0	0,36	1,3
1377025_at	265,3	P	0,01	347,1	P	0	0,36	1,3
1377258_at	76,8	P	0,02	94,4	P	0,01	0,36	1,3
1377508_at	35,7	A	0,22	27,6	P	0,01	0,36	1,3
1377674_at	797,5	P	0	1007,4	P	0	0,36	1,3
1380774_at	281	P	0,04	390,5	P	0,02	0,36	1,3
1382787_at	2967,3	P	0	3820,2	P	0	0,36	1,3
1383040_a_at	1445,7	P	0	1771,3	P	0	0,36	1,3
1384394_at	425,3	P	0	536,4	P	0	0,36	1,3
1384519_at	335,1	A	0,07	360,2	P	0,01	0,36	1,3
1385625_at	669,8	P	0,02	702,8	P	0	0,36	1,3
1387001_at	194,8	P	0	296,1	P	0	0,36	1,3
1387374_at	126,1	P	0,02	154,6	P	0	0,36	1,3
1387406_at	438,3	P	0	539	P	0	0,36	1,3
1387649_at	317,8	P	0,01	419,3	P	0,01	0,36	1,3
1388114_at	482,1	P	0	679,9	P	0	0,36	1,3
1388299_at	140,9	A	0,15	216,1	P	0,03	0,36	1,3
1388900_at	839	P	0	1076,2	P	0	0,36	1,3
1393016_s_at	333,9	P	0,05	613,7	P	0,01	0,36	1,3
1393449_at	497,4	P	0,03	780,5	P	0,01	0,36	1,3
1394987_at	1094,5	P	0,02	1690,2	P	0,01	0,36	1,3
1367651_at	3008,7	P	0	2833,3	P	0	0,35	1,3

1367895_at	1580,9	P	0	2146,4	P	0	0,35	1,3
1368319_a_at	68,2	M	0,06	120,4	P	0,02	0,35	1,3
1368385_a_at	822,2	P	0	1082,7	P	0	0,35	1,3
1369124_at	163,6	P	0,02	240,5	P	0,01	0,35	1,3
1369441_at	154,4	A	0,07	209,7	P	0,02	0,35	1,3
1371563_at	580,7	P	0	692	P	0	0,35	1,3
1371949_at	780,7	P	0	923,4	P	0	0,35	1,3
1372317_at	351,6	P	0,05	393,1	P	0,02	0,35	1,3
1372825_at	994,6	P	0,01	1225,9	P	0	0,35	1,3
1373225_at	634,7	P	0,01	1003,1	P	0	0,35	1,3
1374137_at	34	A	0,15	34,2	P	0,02	0,35	1,3
1374526_at	464,2	P	0	590	P	0	0,35	1,3
1375174_at	416,2	P	0,01	569,5	P	0	0,35	1,3
1375662_at	797,1	P	0	1026,3	P	0	0,35	1,3
1375870_a_at	54,1	P	0,02	78,8	P	0	0,35	1,3
1376293_at	183,2	A	0,1	242,5	P	0,05	0,35	1,3
1376933_at	178,3	P	0,02	252,5	P	0,01	0,35	1,3
1376991_at	122	P	0,02	157,1	P	0,01	0,35	1,3
1379601_at	589	P	0,03	738,2	P	0,01	0,35	1,3
1381817_at	628,6	P	0	901,4	P	0	0,35	1,3
1383369_at	799,5	P	0,01	965,2	P	0	0,35	1,3
1383631_at	585,9	P	0,01	740,9	P	0	0,35	1,3
1383632_at	881,2	P	0	1287,2	P	0	0,35	1,3
1384154_at	295,8	P	0,01	390,4	P	0	0,35	1,3
1386914_at	458,8	P	0	549,7	P	0	0,35	1,3
1386949_a_at	220,1	P	0	357,3	P	0	0,35	1,3
1387225_at	457,4	P	0	687	P	0	0,35	1,3
1387393_at	269,5	P	0,02	322,4	P	0,01	0,35	1,3
1387420_at	324,4	P	0	486,4	P	0	0,35	1,3
1387652_at	132,8	P	0,02	216,4	P	0,01	0,35	1,3
1387693_a_at	482,9	P	0	709,1	P	0	0,35	1,3
1388059_a_at	269,9	P	0,01	286,5	P	0,01	0,35	1,3
1388452_at	3013,7	P	0	3116,7	P	0	0,35	1,3
1388498_at	333,3	P	0	423,1	P	0	0,35	1,3
1390266_at	211,7	P	0,02	265,4	P	0,01	0,35	1,3

1390698_at	85,6	P	0,02	116,5	P	0	0,35	1,3
1394616_at	689,9	P	0	1007,3	P	0	0,35	1,3
1395124_at	1955,1	P	0,02	2456,3	P	0	0,35	1,3
1395394_at	377,3	P	0	583,8	P	0	0,35	1,3
1396059_at	1286,7	P	0,02	1890,6	P	0,01	0,35	1,3
1369667_at	432,4	P	0	528,7	P	0	0,34	1,3
1371168_at	206	A	0,13	288,9	P	0,03	0,34	1,3
1371730_at	510,5	P	0	475,8	P	0	0,34	1,3
1371868_at	409,4	P	0	560,6	P	0	0,34	1,3
1371939_at	764,7	P	0	1079,8	P	0	0,34	1,3
1372620_at	220	P	0	407,6	P	0	0,34	1,3
1373490_at	113,7	P	0,01	131,3	P	0	0,34	1,3
1374601_at	457,6	P	0	681,9	P	0	0,34	1,3
1375266_at	1004,6	P	0	989,5	P	0	0,34	1,3
1375813_at	407,8	P	0	519,8	P	0	0,34	1,3
1376467_at	151,8	P	0,04	124,9	P	0	0,34	1,3
1376998_a_at	170,3	P	0,02	190,3	P	0,01	0,34	1,3
1380854_at	331,4	P	0	422,9	P	0	0,34	1,3
1381019_x_at	1240,1	P	0	1275,7	P	0	0,34	1,3
1382199_at	744	P	0	861,4	P	0	0,34	1,3
1382835_at	1194,7	P	0	1546,3	P	0	0,34	1,3
1387499_a_at	201,6	P	0	310	P	0	0,34	1,3
1387975_at	410,2	P	0	533	P	0	0,34	1,3
1388482_at	491	P	0	587	P	0	0,34	1,3
1390049_at	217,2	P	0	442,5	P	0	0,34	1,3
1391412_at	225,1	P	0	267,2	P	0	0,34	1,3
1393468_at	400,3	P	0	461,2	P	0	0,34	1,3
1396262_at	192,5	A	0,1	254,3	P	0	0,34	1,3
1397812_at	968,1	P	0	1190	P	0	0,34	1,3
1398271_at	387,8	P	0,02	423	P	0,01	0,34	1,3
1398626_s_at	8059,7	P	0	9842,3	P	0	0,34	1,3
1368342_at	486,5	P	0	613,4	P	0	0,33	1,3
1368584_a_at	444,7	P	0	543,5	P	0	0,33	1,3
1370268_at	98,3	P	0,02	187,6	P	0	0,33	1,3
1370525_at	560,1	P	0,01	590,8	P	0	0,33	1,3

1370575_a_at	399	P	0	513,9	P	0	0,33	1,3
1372202_at	242,9	P	0	261,4	P	0	0,33	1,3
1373373_at	307	P	0	430,2	P	0	0,33	1,3
1374638_at	387,5	P	0	460,5	P	0	0,33	1,3
1375677_at	395,1	P	0	509,6	P	0	0,33	1,3
1376516_at	339,9	P	0,05	483,7	P	0,03	0,33	1,3
1377842_at	442,3	P	0,05	508,2	P	0,02	0,33	1,3
1379866_at	767,4	P	0	1028,8	P	0	0,33	1,3
1382110_at	1361,2	P	0	1793,6	P	0	0,33	1,3
1384912_at	1052,8	A	0,1	1426,8	P	0,02	0,33	1,3
1387409_x_at	226,7	A	0,15	324,9	P	0,04	0,33	1,3
1387585_at	169,5	P	0	229,2	P	0	0,33	1,3
1388143_at	150,3	P	0,01	227,6	P	0	0,33	1,3
1388286_a_at	876,9	P	0	1171,3	P	0	0,33	1,3
1388851_at	1167,7	P	0	1232,1	P	0	0,33	1,3
1390954_at	569,3	P	0	601,3	P	0	0,33	1,3
1392274_at	240,8	P	0	349,3	P	0	0,33	1,3
1394324_at	1336,5	P	0	1736,6	P	0	0,33	1,3
1395805_at	469,1	P	0,01	425,6	P	0,01	0,33	1,3
1397004_at	345,3	P	0	494,8	P	0	0,33	1,3
1399155_at	947,3	P	0	1065	P	0	0,33	1,3
1367970_at	1212	P	0	1729,3	P	0	0,32	1,2
1369078_at	669,7	P	0	840,3	P	0	0,32	1,2
1370091_at	192,7	A	0,13	280,3	P	0,02	0,32	1,2
1370190_at	1969,9	P	0	2605,6	P	0	0,32	1,2
1371926_at	705,7	P	0	939,2	P	0	0,32	1,2
1372259_at	644,7	P	0	1004,1	P	0	0,32	1,2
1372471_at	294,5	P	0	377,4	P	0	0,32	1,2
1373387_at	229,4	P	0	275,7	P	0	0,32	1,2
1374500_at	307,5	P	0,01	302,1	P	0	0,32	1,2
1375214_at	264,3	P	0,02	471,9	P	0,01	0,32	1,2
1375643_at	150,3	A	0,08	236,5	P	0,03	0,32	1,2
1376821_at	180,1	P	0	198,9	P	0	0,32	1,2
1376967_at	206,7	P	0	256,7	P	0	0,32	1,2
1381183_at	827,3	P	0,01	1049,6	P	0,01	0,32	1,2

1382570_at	403	P	0,03	519,8	P	0,01	0,32	1,2
1383041_x_at	445,8	P	0,02	715,9	P	0,01	0,32	1,2
1383069_at	383,5	P	0,01	508,5	P	0	0,32	1,2
1383279_at	423,9	P	0,01	647,9	P	0	0,32	1,2
1384043_at	1962,8	P	0	2577,7	P	0	0,32	1,2
1385825_at	337,9	P	0	692,5	P	0	0,32	1,2
1387358_at	726,6	P	0	930,1	P	0	0,32	1,2
1388170_at	626,5	P	0	852,5	P	0	0,32	1,2
1388316_at	434	P	0	589,8	P	0	0,32	1,2
1388322_at	869,7	P	0	1187,5	P	0	0,32	1,2
1388619_at	443,8	P	0	519,6	P	0	0,32	1,2
1388796_at	73,8	P	0	114,8	P	0	0,32	1,2
1389358_at	734,6	P	0	898,1	P	0	0,32	1,2
1389390_at	484,8	P	0	622,3	P	0	0,32	1,2
1390529_at	576,4	P	0	738,9	P	0	0,32	1,2
1392979_at	981,6	P	0	1377,4	P	0	0,32	1,2
1393253_at	2265,3	P	0	3113,7	P	0	0,32	1,2
1395782_at	278,7	P	0	337,9	P	0	0,32	1,2
1367635_at	1380	P	0	1837,6	P	0	0,31	1,2
1368433_at	603,3	P	0	730,8	P	0	0,31	1,2
1370489_a_at	57,4	A	0,1	74,3	P	0,01	0,31	1,2
1370527_a_at	893,4	P	0	1061,6	P	0	0,31	1,2
1370792_at	550,7	P	0,03	678,5	P	0,01	0,31	1,2
1371624_at	1037,5	P	0	1395,9	P	0	0,31	1,2
1371735_at	664,6	P	0	827,4	P	0	0,31	1,2
1372050_at	277,1	P	0,02	452,4	P	0,01	0,31	1,2
1372243_at	486,1	P	0	583,9	P	0	0,31	1,2
1372949_at	562,7	P	0	788,7	P	0	0,31	1,2
1373058_at	1434,5	P	0	1574,1	P	0	0,31	1,2
1373252_at	429,7	P	0,05	376,3	P	0,01	0,31	1,2
1373447_at	169,5	P	0	245,6	P	0	0,31	1,2
1373466_at	157,7	P	0	199,2	P	0	0,31	1,2
1373620_at	260,3	P	0	328,5	P	0	0,31	1,2
1373815_at	446,1	P	0	596,1	P	0	0,31	1,2
1374472_at	61,2	A	0,1	81,6	P	0	0,31	1,2

1374537_at	304,5	P	0	410,3	P	0	0,31	1,2
1375697_at	250	P	0,01	313,4	P	0	0,31	1,2
1378399_at	750,9	P	0	890,1	P	0	0,31	1,2
1379627_at	419,2	P	0	574	P	0	0,31	1,2
1382196_at	687,4	P	0,01	857,6	P	0,01	0,31	1,2
1383154_at	1944,4	P	0	2481,9	P	0	0,31	1,2
1383297_at	986,2	P	0,01	1201,5	P	0,01	0,31	1,2
1383328_x_at	1756,5	P	0	2279,3	P	0	0,31	1,2
1384034_at	521,2	P	0	606,9	P	0	0,31	1,2
1388240_a_at	83,1	A	0,1	94,8	P	0,02	0,31	1,2
1388392_at	109,1	P	0,01	194,9	P	0	0,31	1,2
1388774_at	344,2	P	0	496,8	P	0	0,31	1,2
1388865_at	839,1	P	0	1167,7	P	0	0,31	1,2
1390027_at	403,1	P	0	505,1	P	0	0,31	1,2
1390684_at	148,4	P	0	208,3	P	0	0,31	1,2
1392944_at	1064,9	P	0	1311,1	P	0	0,31	1,2
1395081_at	637,6	P	0	958,9	P	0	0,31	1,2
1395126_at	165,1	A	0,11	249,7	P	0,01	0,31	1,2
1396278_at	763,9	P	0,01	1301,7	P	0	0,31	1,2
1397529_at	2639,7	P	0	3274,7	P	0	0,31	1,2
1368460_at	126,2	A	0,11	182,8	P	0,04	0,3	1,2
1370507_at	483,5	P	0	617,9	P	0	0,3	1,2
1371847_at	190,3	P	0,01	226	P	0	0,3	1,2
1372189_at	302,9	P	0,02	385	P	0,01	0,3	1,2
1373283_at	208,1	P	0,01	220,8	P	0	0,3	1,2
1374719_at	364,4	P	0,02	451,6	P	0,02	0,3	1,2
1378003_at	698,3	P	0	729,5	P	0	0,3	1,2
1381644_at	1256,6	P	0	1578,1	P	0	0,3	1,2
1382118_at	2514,5	P	0	3101,2	P	0	0,3	1,2
1383169_at	316,1	P	0	346	P	0	0,3	1,2
1384365_at	346,3	P	0,01	413,5	P	0,01	0,3	1,2
1384443_at	400,1	P	0,01	770,4	P	0	0,3	1,2
1386896_at	454,2	P	0	602,1	P	0	0,3	1,2
1387345_at	211,5	P	0,01	291,8	P	0	0,3	1,2
1387424_at	183,6	P	0	234,2	P	0	0,3	1,2

1388345_at	515,7	P	0	637,4	P	0	0,3	1,2
1389422_at	326,8	P	0	383,5	P	0	0,3	1,2
1389877_at	75,2	P	0	107	P	0	0,3	1,2
1390134_at	415,9	P	0	549,7	P	0	0,3	1,2
1393460_at	480,9	P	0	586,8	P	0	0,3	1,2
1393710_at	1934,3	P	0	2401,2	P	0	0,3	1,2
1395341_at	441,6	A	0,07	638,8	P	0,02	0,3	1,2
1397824_at	2167,4	P	0	2283,4	P	0	0,3	1,2
1367696_at	338	P	0,01	448,5	P	0	0,29	1,2
1367737_at	672,8	P	0	861,8	P	0	0,29	1,2
1369066_at	1344,1	P	0	1551	P	0	0,29	1,2
1370134_at	416	P	0,01	458,8	P	0	0,29	1,2
1370419_a_at	238,5	P	0	336	P	0	0,29	1,2
1371028_at	273,7	P	0	464,8	P	0	0,29	1,2
1372452_at	975,5	P	0	1157	P	0	0,29	1,2
1372513_at	1715,2	P	0	2081,5	P	0	0,29	1,2
1373140_at	381,3	P	0	426,7	P	0	0,29	1,2
1373410_at	1053,8	P	0	1413,8	P	0	0,29	1,2
1373678_at	613,5	P	0	911,4	P	0	0,29	1,2
1374397_at	978,9	P	0	1138,6	P	0	0,29	1,2
1374897_at	446,6	P	0	599,3	P	0	0,29	1,2
1375964_at	143,8	P	0,04	196,8	P	0,01	0,29	1,2
1378203_at	808,7	P	0	1013,4	P	0	0,29	1,2
1383302_at	512,2	P	0	654,7	P	0	0,29	1,2
1384190_at	3295,2	P	0	4008,3	P	0	0,29	1,2
1384349_at	444,8	P	0	636,8	P	0	0,29	1,2
1384470_at	966,2	P	0	1097,3	P	0	0,29	1,2
1385259_at	682,8	P	0	827,8	P	0	0,29	1,2
1385676_at	1436,2	P	0	1764	P	0	0,29	1,2
1387076_at	1241,7	P	0	1299,9	P	0	0,29	1,2
1387079_at	167,1	P	0	293,7	P	0	0,29	1,2
1387169_at	242,5	P	0,01	241,1	P	0	0,29	1,2
1389002_at	324	P	0,01	479,7	P	0	0,29	1,2
1389525_at	314,1	P	0	332,8	P	0	0,29	1,2
1391045_at	1400,5	P	0,03	1703,6	P	0,02	0,29	1,2

1395524_at	366,5	P	0	468,2	P	0	0,29	1,2
1395534_at	2668,9	P	0	3563,5	P	0	0,29	1,2
1395665_at	415,8	P	0	693,3	P	0	0,29	1,2
1396692_at	479,2	P	0	685,6	P	0	0,29	1,2
1398242_at	445,7	P	0,05	629,9	P	0,02	0,29	1,2
1398832_at	1061,1	P	0	1331,9	P	0	0,29	1,2
1398838_at	741,2	P	0	971,3	P	0	0,29	1,2
1399138_at	403,2	P	0	608,5	P	0	0,29	1,2
1367795_at	297,3	P	0	347,4	P	0	0,28	1,2
1367834_at	346,9	P	0,02	408	P	0,01	0,28	1,2
1368118_at	222,1	P	0	327	P	0	0,28	1,2
1369135_at	1378,7	P	0	1697,4	P	0	0,28	1,2
1370105_at	171,6	P	0,02	271,6	P	0	0,28	1,2
1370373_at	1373,2	P	0	1547,4	P	0	0,28	1,2
1370662_a_at	940,3	P	0	958,1	P	0	0,28	1,2
1372187_at	180,9	P	0	267,8	P	0	0,28	1,2
1373115_at	249,8	A	0,07	347,1	P	0,03	0,28	1,2
1373391_at	528,6	P	0	647	P	0	0,28	1,2
1374692_at	272,1	P	0	343,2	P	0	0,28	1,2
1374804_at	137,3	P	0,03	168,3	P	0	0,28	1,2
1376022_at	1223	P	0	1443,8	P	0	0,28	1,2
1377946_at	1386,4	P	0,02	1570	P	0,01	0,28	1,2
1380349_at	2061,7	P	0	2561,8	P	0	0,28	1,2
1382307_at	125,8	P	0,02	243,1	P	0	0,28	1,2
1382508_at	523,9	P	0	750	P	0	0,28	1,2
1383445_at	580,8	P	0	723,6	P	0	0,28	1,2
1383467_at	527,1	P	0	684	P	0	0,28	1,2
1384854_at	607,8	P	0	822,3	P	0	0,28	1,2
1387261_at	591,7	P	0	823,3	P	0	0,28	1,2
1387403_at	287	P	0,04	354,8	P	0,02	0,28	1,2
1388794_at	361,3	P	0	457	P	0	0,28	1,2
1390345_at	750,5	P	0	858,9	P	0	0,28	1,2
1391173_at	156	P	0	200,9	P	0	0,28	1,2
1396984_at	797,4	P	0,02	1166,7	P	0,01	0,28	1,2
1397469_at	612	P	0,01	598,3	P	0	0,28	1,2

1397546_at	367,3	P	0,01	500,7	P	0	0,28	1,2
1397815_at	2656,2	P	0	3133,8	P	0	0,28	1,2
1397825_at	230,6	P	0	350,2	P	0	0,28	1,2
1398262_at	136,3	P	0	151,7	P	0	0,28	1,2
1398835_at	7891,3	P	0	9581,7	P	0	0,28	1,2
1398847_at	458,7	P	0	638,6	P	0	0,28	1,2
1399160_a_at	818,9	P	0	1025,7	P	0	0,28	1,2
1367559_at	2004,2	P	0	2444,3	P	0	0,27	1,2
1367801_at	473,1	P	0,01	554,2	P	0	0,27	1,2
1368262_at	284,4	P	0	338,7	P	0	0,27	1,2
1368778_at	92	P	0,04	111,8	P	0,01	0,27	1,2
1369487_a_at	310,5	P	0,01	374	P	0	0,27	1,2
1369520_a_at	3327	P	0	4125,5	P	0	0,27	1,2
1369851_at	336	A	0,11	561,1	P	0,05	0,27	1,2
1370220_at	650,1	P	0	742,9	P	0	0,27	1,2
1370855_at	7697,1	P	0	9719,8	P	0	0,27	1,2
1371653_at	466,3	P	0	527,7	P	0	0,27	1,2
1372871_at	213,3	P	0,01	279,9	P	0	0,27	1,2
1373211_at	675,5	P	0	662,1	P	0	0,27	1,2
1373888_at	470,1	P	0	644,9	P	0	0,27	1,2
1375627_at	387	P	0	511,8	P	0	0,27	1,2
1375819_at	63,3	A	0,15	92,3	P	0,04	0,27	1,2
1379698_at	530,1	P	0,01	479,3	P	0	0,27	1,2
1379913_at	757,5	P	0	1058,9	P	0	0,27	1,2
1382309_at	1097,8	P	0	1384,5	P	0	0,27	1,2
1383054_at	203,4	P	0	292,8	P	0	0,27	1,2
1383489_at	804,9	A	0,07	1036,8	P	0,03	0,27	1,2
1389241_at	400,3	P	0	460,3	P	0	0,27	1,2
1390485_at	407,1	P	0	558,3	P	0	0,27	1,2
1393320_at	334	P	0	391,2	P	0	0,27	1,2
1367778_at	240,3	P	0	438	P	0	0,26	1,2
1369059_at	267,4	P	0,02	216	P	0,01	0,26	1,2
1370519_at	2612,7	P	0	3118,1	P	0	0,26	1,2
1372506_at	986,2	P	0	1408,7	P	0	0,26	1,2
1373603_at	314,9	P	0	349,9	P	0	0,26	1,2

1373685_at	160,4	A	0,07	168,1	P	0,01	0,26	1,2
1374487_at	421	P	0	525,4	P	0	0,26	1,2
1374712_at	715,2	P	0	1003,5	P	0	0,26	1,2
1375421_a_at	1715,7	P	0	2027,8	P	0	0,26	1,2
1378547_at	839,4	P	0	970,7	P	0	0,26	1,2
1378551_at	813,6	P	0	962,7	P	0	0,26	1,2
1382422_at	438,1	P	0	588,8	P	0	0,26	1,2
1382898_at	556,8	P	0	592,8	P	0	0,26	1,2
1384257_at	2361,2	P	0,01	2790,4	P	0	0,26	1,2
1384965_at	359,5	P	0,01	603,9	P	0	0,26	1,2
1387915_at	867,4	P	0	1011,2	P	0	0,26	1,2
1388837_at	902,9	P	0	1010,4	P	0	0,26	1,2
1393177_at	221,6	A	0,08	336	P	0,03	0,26	1,2
1394082_at	1904,3	P	0	2315,1	P	0	0,26	1,2
1395736_at	503,1	P	0	739,9	P	0	0,26	1,2
1398346_at	1586,5	P	0	2123,6	P	0	0,26	1,2
1398797_at	2108,1	P	0	2279,8	P	0	0,26	1,2
1399045_at	619,3	P	0	674,4	P	0	0,26	1,2
1367881_at	1582,9	P	0	1870,1	P	0	0,25	1,2
1368103_at	735,9	P	0	827,6	P	0	0,25	1,2
1368389_at	153	P	0,01	195,6	P	0	0,25	1,2
1368645_at	214,4	P	0,05	255,7	P	0,01	0,25	1,2
1368817_at	377,3	P	0	378	P	0	0,25	1,2
1369886_a_at	510,2	P	0	747,8	P	0	0,25	1,2
1370853_at	2252,1	P	0	2571,6	P	0	0,25	1,2
1371777_at	591,7	P	0	708,2	P	0	0,25	1,2
1372347_at	1279,7	P	0	1524,8	P	0	0,25	1,2
1372500_at	79,8	P	0,01	129,4	P	0	0,25	1,2
1383574_at	644,6	P	0,01	885,8	P	0,01	0,25	1,2
1385705_at	187	M	0,06	215,7	P	0,01	0,25	1,2
1387041_at	658,3	P	0	851,5	P	0	0,25	1,2
1387091_at	581,5	P	0,01	970,6	P	0	0,25	1,2
1388871_at	424,5	P	0	531,2	P	0	0,25	1,2
1389062_at	551,7	P	0	698,3	P	0	0,25	1,2
1389560_at	339,6	P	0,01	420,5	P	0	0,25	1,2

1390146_at	324,6	P	0	496,3	P	0	0,25	1,2
1392593_a_at	1367,8	P	0	1512,4	P	0	0,25	1,2
1392955_at	1801,9	P	0	2276,3	P	0	0,25	1,2
1393055_at	145,7	P	0	286,7	P	0	0,25	1,2
1393150_at	655,2	P	0	769,7	P	0	0,25	1,2
1394488_at	314,5	A	0,17	297,2	P	0,05	0,25	1,2
1395061_at	1359,1	P	0,01	1629,2	P	0,01	0,25	1,2
1395532_at	3674,6	P	0	3899,3	P	0	0,25	1,2
1398251_a_at	872,3	P	0	1075	P	0	0,25	1,2
1369312_a_at	608,6	P	0	650,6	P	0	0,24	1,2
1369448_at	425,9	P	0	407,5	P	0	0,24	1,2
1370833_at	250,4	P	0	383,3	P	0	0,24	1,2
1370904_at	379	P	0	453,5	P	0	0,24	1,2
1371103_at	763,4	P	0	1326,2	P	0	0,24	1,2
1372409_at	173,8	P	0	207,7	P	0	0,24	1,2
1372705_at	649,4	P	0	696,4	P	0	0,24	1,2
1373478_at	694,1	P	0	744,7	P	0	0,24	1,2
1375080_at	178,9	A	0,08	213,4	P	0,03	0,24	1,2
1376834_at	255,1	M	0,06	315,6	P	0,03	0,24	1,2
1379427_at	1696,3	P	0,01	1997,7	P	0,01	0,24	1,2
1387046_at	300,7	P	0	314,1	P	0	0,24	1,2
1387737_at	557,7	P	0	741,9	P	0	0,24	1,2
1388514_at	457,5	P	0	494,6	P	0	0,24	1,2
1389554_at	222,6	P	0	275,4	P	0	0,24	1,2
1389578_at	163,1	A	0,07	210,7	P	0,04	0,24	1,2
1393151_at	2757,3	P	0	3040,3	P	0	0,24	1,2
1393194_at	3031,5	P	0	3331,5	P	0	0,24	1,2
1393665_at	418,8	P	0,01	590,3	P	0	0,24	1,2
1396137_at	3091,3	P	0	3349,2	P	0	0,24	1,2
1396167_at	352,7	M	0,06	500	P	0,02	0,24	1,2
1368249_at	359	P	0	472,8	P	0	0,23	1,2
1368612_at	147,7	P	0,05	188	P	0,01	0,23	1,2
1368893_at	1025,9	P	0	1229,7	P	0	0,23	1,2
1369304_at	141,9	A	0,07	197,6	P	0,01	0,23	1,2
1369929_at	5564,3	P	0	7013,2	P	0	0,23	1,2

1370194_at	181,6	P	0	214	P	0	0,23	1,2
1370688_at	263,5	P	0,05	282,4	P	0,01	0,23	1,2
1372353_at	311,5	P	0,01	418,5	P	0	0,23	1,2
1372623_at	264,3	P	0,02	327,3	P	0,01	0,23	1,2
1373644_at	370,8	P	0	431,2	P	0	0,23	1,2
1374729_at	392,5	P	0	497,4	P	0	0,23	1,2
1375327_at	404,2	P	0,01	533,5	P	0	0,23	1,2
1376441_at	580,8	P	0	684,5	P	0	0,23	1,2
1384750_at	326	P	0,01	443,4	P	0	0,23	1,2
1385871_at	232,7	P	0	323,3	P	0	0,23	1,2
1388314_at	2007,7	P	0	2558,1	P	0	0,23	1,2
1388850_at	2783,3	P	0	3160,7	P	0	0,23	1,2
1389068_at	554,3	P	0	646,1	P	0	0,23	1,2
1389129_at	143,9	P	0,01	225,1	P	0	0,23	1,2
1389723_at	301,8	P	0	426,1	P	0	0,23	1,2
1390845_at	883,4	P	0	1077,4	P	0	0,23	1,2
1394427_at	5350,7	P	0	6766,9	P	0	0,23	1,2
1394884_s_at	620,7	P	0	847,9	P	0	0,23	1,2
1395409_at	2555,1	P	0	3249,5	P	0	0,23	1,2
1395464_at	688,9	P	0	716,4	P	0	0,23	1,2
1398300_at	2027	P	0	2294,7	P	0	0,23	1,2
1399114_at	165,5	P	0	203	P	0	0,23	1,2
1367698_a_at	448,3	P	0	636,2	P	0	0,22	1,2
1367887_at	333,1	P	0,01	400,2	P	0	0,22	1,2
1368076_at	583,2	P	0	728,9	P	0	0,22	1,2
1370087_at	1858,7	P	0	2204,6	P	0	0,22	1,2
1370290_at	881,7	P	0	934,9	P	0	0,22	1,2
1371854_at	1143,6	P	0	1268,9	P	0	0,22	1,2
1371974_at	518,9	P	0,03	541	P	0,01	0,22	1,2
1372971_at	498,8	P	0	631,7	P	0	0,22	1,2
1374118_at	549,1	P	0	636,2	P	0	0,22	1,2
1374279_at	445,3	P	0	425,1	P	0	0,22	1,2
1374773_at	346,7	P	0	428,7	P	0	0,22	1,2
1375338_at	1445,8	P	0	1662,4	P	0	0,22	1,2
1378287_at	1383,2	P	0	1691,2	P	0	0,22	1,2

1382892_a_at	304	P	0	438,2	P	0	0,22	1,2
1387636_a_at	597	P	0	725,1	P	0	0,22	1,2
1387866_at	287,9	P	0	386,4	P	0	0,22	1,2
1388201_at	262,9	P	0,03	273	P	0,02	0,22	1,2
1389998_at	24,2	A	0,25	19,4	P	0,05	0,22	1,2
1397614_at	684,2	P	0,01	776,2	P	0	0,22	1,2
1367981_at	437,4	P	0	538,3	P	0	0,21	1,2
1369993_at	1278,1	P	0	1410,3	P	0	0,21	1,2
1370250_at	1007,4	P	0	1158,8	P	0	0,21	1,2
1371411_at	798,4	P	0	1040,5	P	0	0,21	1,2
1372055_at	961,9	P	0	1270,3	P	0	0,21	1,2
1372124_at	514,7	P	0	615,7	P	0	0,21	1,2
1378075_at	1298,4	P	0	1690,6	P	0	0,21	1,2
1382884_at	186	P	0,04	255,5	P	0,02	0,21	1,2
1387920_at	513,2	P	0	573,8	P	0	0,21	1,2
1389733_at	670,6	P	0	763,7	P	0	0,21	1,2
1394784_at	255,5	P	0,02	216,6	P	0	0,21	1,2
1399153_at	950,8	P	0	1138,7	P	0	0,21	1,2
1367717_at	3729,4	P	0	4656,9	P	0	0,2	1,1
1370614_s_at	494,1	P	0	591,1	P	0	0,2	1,1
1371430_at	296,2	P	0	283,3	P	0	0,2	1,1
1372136_at	814,8	P	0	915,3	P	0	0,2	1,1
1372145_at	304,1	P	0,05	422	P	0,02	0,2	1,1
1373452_at	422,1	P	0,02	503,7	P	0	0,2	1,1
1376357_at	505,4	P	0	561	P	0	0,2	1,1
1377692_at	466,8	P	0	527,7	P	0	0,2	1,1
1383421_at	1077,4	P	0,01	1304,8	P	0	0,2	1,1
1387391_at	85,5	A	0,17	113,3	P	0,04	0,2	1,1
1387505_at	771,3	P	0	924,1	P	0	0,2	1,1
1387879_a_at	480,6	P	0	657,9	P	0	0,2	1,1
1388993_at	874,3	P	0	925,7	P	0	0,2	1,1
1389520_at	1657,3	P	0	2092,3	P	0	0,2	1,1
1391938_at	728,4	M	0,06	901,5	P	0,01	0,2	1,1
1393045_at	514,7	P	0	594,1	P	0	0,2	1,1
1393669_at	405,8	P	0	417,2	P	0	0,2	1,1

1398247_at	612,5	P	0	817,9	P	0	0,2	1,1
1368035_a_at	485	P	0	603,1	P	0	0,19	1,1
1368144_at	470,6	P	0	376,2	P	0	0,19	1,1
1368665_at	417,7	P	0	479,4	P	0	0,19	1,1
1368864_at	583,4	P	0	698,7	P	0	0,19	1,1
1369571_at	490,3	P	0	669,4	P	0	0,19	1,1
1369689_at	2144,4	P	0	2707,2	P	0	0,19	1,1
1371921_at	1245,1	P	0	1449,1	P	0	0,19	1,1
1373494_at	338,4	A	0,08	267,3	P	0,02	0,19	1,1
1373529_at	1422,1	P	0	1634,7	P	0	0,19	1,1
1373830_at	330,4	P	0	355,4	P	0	0,19	1,1
1375534_at	539,7	P	0	598,6	P	0	0,19	1,1
1382879_at	196,7	A	0,08	239,2	P	0,03	0,19	1,1
1386106_at	797	P	0	981,6	P	0	0,19	1,1
1390552_at	222,1	P	0	283,2	P	0	0,19	1,1
1367560_at	2799,2	P	0	3273,5	P	0	0,18	1,1
1367675_at	441,7	P	0	285,2	P	0	0,18	1,1
1368848_at	211,8	P	0,01	230,6	P	0	0,18	1,1
1368859_at	547,6	P	0,01	632,7	P	0	0,18	1,1
1369839_at	539,7	P	0	499	P	0	0,18	1,1
1371579_at	1465,6	P	0	1661,2	P	0	0,18	1,1
1373598_at	163,2	P	0	203,2	P	0	0,18	1,1
1376347_at	309,6	P	0	378,3	P	0	0,18	1,1
1378219_at	589,4	A	0,1	739,9	P	0,05	0,18	1,1
1387721_at	462,9	P	0,02	427,8	P	0	0,18	1,1
1388702_at	194,6	P	0	221,2	P	0	0,18	1,1
1389557_at	180,4	P	0,01	238,9	P	0,01	0,18	1,1
1389661_at	220,7	P	0	240,4	P	0	0,18	1,1
1390548_at	205,6	A	0,07	231,7	P	0,03	0,18	1,1
1396565_at	598,1	P	0,01	765,7	P	0	0,18	1,1
1368274_at	736,9	P	0,01	825,6	P	0	0,17	1,1
1369962_at	312,8	P	0	320,9	P	0	0,17	1,1
1372148_at	219,5	P	0,02	239,3	P	0,01	0,17	1,1
1372303_at	717,1	P	0	803,9	P	0	0,17	1,1
1373067_at	1246,9	P	0	1503,8	P	0	0,17	1,1

1374092_at	181	P	0,04	162,4	P	0,02	0,17	1,1
1376137_at	1279,8	P	0	1271,4	P	0	0,17	1,1
1378978_a_at	1454,1	P	0	1553	P	0	0,17	1,1
1380062_at	1083,2	P	0	1269,3	P	0	0,17	1,1
1380799_at	400,2	P	0,03	425,9	P	0,01	0,17	1,1
1388296_at	3789,1	P	0	4413	P	0	0,17	1,1
1388585_at	551,3	P	0	754,3	P	0	0,17	1,1
1399062_at	236,3	P	0	335,2	P	0	0,17	1,1
1368730_a_at	106,2	A	0,27	126,6	P	0,03	0,16	1,1
1368960_at	436,4	P	0	508,1	P	0	0,16	1,1
1370202_at	846,6	P	0	922,4	P	0	0,16	1,1
1370213_at	1440,1	P	0	1552,3	P	0	0,16	1,1
1370966_at	544,1	P	0	1000,5	P	0	0,16	1,1
1371930_at	732,8	P	0	795	P	0	0,16	1,1
1372247_at	1373	P	0	1715	P	0	0,16	1,1
1383180_at	1108,1	P	0	1267	P	0	0,16	1,1
1389090_at	514,5	P	0	597,8	P	0	0,16	1,1
1390350_at	572,9	P	0	597,8	P	0	0,16	1,1
1392051_at	779,1	P	0	898,2	P	0	0,16	1,1
1371319_at	5748,2	P	0	6992,8	P	0	0,15	1,1
1373113_at	535,6	P	0	577,3	P	0	0,15	1,1
1373453_at	352,3	P	0	396,4	P	0	0,15	1,1
1376221_at	124,7	P	0,04	137,1	P	0,01	0,15	1,1
1383899_at	3958,9	P	0	4353,2	P	0	0,15	1,1
1387950_at	148,6	P	0	155,9	P	0	0,15	1,1
1392478_at	4905	P	0	5620,5	P	0	0,15	1,1
1367860_a_at	160,7	P	0,01	174	P	0,01	0,14	1,1
1370890_at	1776,9	P	0	2009,6	P	0	0,14	1,1
1371714_at	279,7	P	0	343,4	P	0	0,14	1,1
1372501_at	960,1	P	0	1041,8	P	0	0,14	1,1
1376685_at	74,9	P	0,02	87,5	P	0	0,14	1,1
1379953_at	1246,9	P	0	1484,5	P	0	0,14	1,1
1383396_at	166	P	0	260,2	P	0	0,14	1,1
1388780_at	617,9	P	0	740,2	P	0	0,14	1,1
1399126_at	269,5	P	0	339,9	P	0	0,13	1,1

1371059_at	119,8	P	0,02	153,3	P	0	0,12	1,1
1387790_at	722,1	P	0	812,3	P	0	0,11	1,1
1367836_at	317,1	P	0,05	402,1	P	0,02	0,1	1,1
1369493_at	95	A	0,07	113	P	0,03	0,1	1,1
1370521_at	275,7	P	0,03	305,1	P	0,02	0,1	1,1
1374221_at	245,1	P	0,04	321	P	0,01	0,1	1,1
1368535_at	207,2	P	0,03	221,8	P	0,01	0,09	1,1
Down-regulated genes								
1384520_at	53,9	P	0,04	4,7	A	0,5	-3,23	9,4
1394118_at	38,3	P	0,05	6,4	A	0,43	-2,93	7,6
1398581_at	223,5	P	0,01	38,8	A	0,33	-2,63	6,2
1372195_at	271,6	P	0,01	46,6	A	0,33	-2,32	5,0
1370997_at	239,3	P	0	76,2	P	0,04	-1,72	3,3
1386258_at	130	P	0,02	39,5	A	0,15	-1,65	3,1
1377534_at	505,7	P	0	199,9	P	0	-1,43	2,7
1369435_at	62,3	P	0,02	37,2	A	0,08	-1,36	2,6
1395617_at	920,8	P	0,02	311,7	A	0,15	-1,36	2,6
1387052_at	253,4	P	0,04	124,5	A	0,19	-1,32	2,5
1368753_at	97,4	P	0,01	29,9	A	0,17	-1,28	2,4
1390037_at	395,7	P	0,03	176,4	A	0,19	-1,28	2,4
1371183_a_at	509,9	P	0,02	230,7	A	0,11	-1,25	2,4
1386884_at	1131,8	P	0	471,3	P	0	-1,23	2,3
1388079_at	201,5	P	0,02	98,2	A	0,15	-1,18	2,3
1382365_at	662	P	0	328,5	P	0	-1,12	2,2
1386953_at	809	P	0,01	253,8	P	0,01	-1,09	2,1
1391387_s_at	79,1	P	0	36	A	0,08	-1,08	2,1
1398004_at	170,7	P	0,01	68,9	A	0,25	-1,07	2,1
1367731_at	2612,1	P	0	1212	P	0	-1,05	2,1
1383413_at	652,3	P	0	352,4	P	0	-1,05	2,1
1387210_at	1194,6	P	0	553,2	P	0	-1,01	2,0
1384910_at	881,3	P	0	422,3	P	0,04	-0,98	2,0
1392749_at	308,3	P	0,03	170,5	A	0,15	-0,97	2,0
1397599_at	700	P	0	417,2	P	0	-0,97	2,0
1376263_at	536,8	P	0,01	290,5	P	0,02	-0,96	1,9

1396034_at	401,2	P	0	213,5	P	0	-0,96	1,9
1386073_at	594	P	0,02	271,3	A	0,07	-0,95	1,9
1386985_at	1393,8	P	0	852	P	0	-0,94	1,9
1371475_at	783,5	P	0	557	P	0	-0,93	1,9
1381049_at	623	P	0,01	315,9	P	0,04	-0,92	1,9
1397502_at	209,1	P	0,03	117,1	A	0,07	-0,92	1,9
1372240_at	134,6	P	0,05	51,3	A	0,17	-0,91	1,9
1394008_x_at	258,1	P	0	149,6	P	0	-0,91	1,9
1380383_at	1247,6	P	0	431,6	P	0	-0,9	1,9
1385568_at	413,7	P	0	275,3	P	0,01	-0,9	1,9
1388195_at	1750,9	P	0	1164,4	P	0	-0,9	1,9
1395104_at	2025,2	P	0	1265,7	P	0	-0,9	1,9
1393322_at	164	P	0,04	89,9	A	0,33	-0,88	1,8
1385849_at	724,7	P	0	364,1	P	0	-0,86	1,8
1394534_at	837,6	P	0	518,3	P	0	-0,86	1,8
1395223_at	721,3	P	0	393,1	M	0,06	-0,86	1,8
1396383_at	1812,8	P	0	915,1	P	0,01	-0,86	1,8
1397326_at	908,9	P	0	455,8	P	0,01	-0,86	1,8
1398229_at	854,6	P	0	480,6	P	0	-0,86	1,8
1370410_at	735	P	0	483,8	P	0	-0,85	1,8
1393614_at	1482,2	P	0	849,5	P	0	-0,85	1,8
1387068_at	1041,7	P	0	561,3	P	0	-0,84	1,8
1389867_at	2943,6	P	0	1709,3	P	0	-0,84	1,8
1393622_at	1528,5	P	0	818,3	P	0	-0,84	1,8
1396199_at	66,8	P	0,03	31,6	A	0,19	-0,84	1,8
1396029_at	356,2	P	0,04	192,8	A	0,11	-0,83	1,8
1370813_at	1515,3	P	0	621,3	P	0	-0,82	1,8
1370930_at	317,6	P	0,01	169,1	A	0,1	-0,82	1,8
1387852_at	140,9	P	0,01	83,1	A	0,13	-0,82	1,8
1391020_at	592,2	P	0,01	372,2	A	0,13	-0,82	1,8
1398365_at	449,5	P	0,01	281,4	P	0,01	-0,82	1,8
1383204_at	1688,5	P	0	1334,3	P	0	-0,81	1,8
1394530_at	183,1	P	0	112,6	P	0,02	-0,81	1,8
1368943_at	742,8	P	0	417,2	P	0	-0,8	1,7
1377942_at	2000,5	P	0	1009,8	P	0	-0,8	1,7

1380807_at	669,6	P	0	445,7	P	0	-0,8	1,7
1372372_at	418,2	P	0	231	P	0	-0,79	1,7
1376799_a_at	181,9	P	0,01	109,5	A	0,1	-0,79	1,7
1370344_at	937,7	P	0	578,2	P	0	-0,78	1,7
1381274_at	472,3	P	0	224,6	P	0	-0,78	1,7
1389651_at	365,1	P	0	293,4	P	0	-0,78	1,7
1368057_at	522,9	P	0	296,1	P	0	-0,77	1,7
1368587_at	206,1	P	0,01	117,3	P	0,01	-0,77	1,7
1369165_at	242,6	P	0	211,4	P	0	-0,77	1,7
1373100_at	897	P	0	456,2	P	0	-0,77	1,7
1377974_at	317,9	P	0	145,7	P	0,01	-0,77	1,7
1381637_at	749	P	0	572	P	0,02	-0,76	1,7
1383453_at	1640,1	P	0	1097,9	P	0	-0,76	1,7
1387908_at	363,6	P	0,01	213,4	P	0,02	-0,76	1,7
1392140_at	305,5	P	0	190	P	0,02	-0,76	1,7
1392890_at	1042,9	P	0	543,3	P	0	-0,76	1,7
1393820_at	2548,8	P	0	1514,9	P	0	-0,76	1,7
1398568_at	399	P	0	249,7	P	0	-0,76	1,7
1377993_at	1414,8	P	0	572,6	P	0,03	-0,75	1,7
1379150_at	394,3	P	0,04	168,7	A	0,13	-0,75	1,7
1388583_at	578,7	P	0	354,6	P	0	-0,75	1,7
1391534_at	1176,3	P	0	754,2	P	0	-0,75	1,7
1368008_at	516,2	P	0	319,8	P	0	-0,74	1,7
1370115_at	432,3	P	0	293,9	P	0,02	-0,74	1,7
1373970_at	217,4	P	0,04	135,9	P	0,05	-0,74	1,7
1379917_at	1183,6	P	0	768,9	P	0	-0,74	1,7
1381517_at	283,6	P	0	148,3	P	0,04	-0,74	1,7
1383566_at	4771,9	P	0	3212,8	P	0	-0,74	1,7
1393900_at	302,8	P	0	193,9	M	0,06	-0,74	1,7
1396645_at	219,1	P	0,02	140,9	A	0,13	-0,73	1,7
1368153_a_at	3724,9	P	0	2139,4	P	0	-0,72	1,6
1369885_at	242,5	P	0	183,8	P	0	-0,72	1,6
1370544_at	548,1	P	0,01	323	M	0,06	-0,72	1,6
1375391_at	233,8	P	0,02	131,9	P	0,02	-0,72	1,6
1389145_at	611,7	P	0	345,3	P	0,01	-0,72	1,6

1390537_at	475,6	P	0	290,1	P	0,01	-0,72	1,6
1392560_at	1407,2	P	0	1369,7	P	0	-0,72	1,6
1393378_at	180,9	P	0,01	79,1	P	0,01	-0,72	1,6
1376537_at	256,3	P	0,01	161,6	P	0,03	-0,71	1,6
1377818_at	1164,8	P	0	734,7	P	0,01	-0,71	1,6
1381133_at	733,5	P	0	606,7	P	0	-0,71	1,6
1384158_at	1159,7	P	0	751,5	P	0	-0,71	1,6
1394705_at	1609,6	P	0	993,9	P	0,01	-0,71	1,6
1374419_at	753,7	P	0,01	536,4	P	0,03	-0,7	1,6
1379382_at	2427,6	P	0	1249,1	P	0	-0,7	1,6
1385948_at	566,1	P	0	341,9	P	0,01	-0,7	1,6
1387961_at	837,6	P	0	461,9	P	0	-0,7	1,6
1392360_at	47,4	P	0	10,1	A	0,25	-0,7	1,6
1395368_at	418,1	P	0,03	233,5	A	0,15	-0,7	1,6
1375868_at	390,7	P	0	243,6	P	0	-0,69	1,6
1378876_at	624,4	P	0	556,8	P	0,01	-0,69	1,6
1379396_at	2875,3	P	0	1617,5	P	0,01	-0,69	1,6
1379416_at	1115,9	P	0	727,5	P	0	-0,69	1,6
1383331_at	230,3	P	0,02	185,8	P	0,04	-0,69	1,6
1386973_a_at	2570,9	P	0	1639,1	P	0	-0,69	1,6
1387896_at	1350,2	P	0	823,8	P	0	-0,69	1,6
1390113_a_at	1704,2	P	0	1062	P	0,03	-0,69	1,6
1391760_at	532,5	P	0,01	399,8	P	0,02	-0,69	1,6
1395074_at	132,7	P	0,01	109,7	A	0,1	-0,69	1,6
1372492_at	659,5	P	0	453,1	P	0	-0,68	1,6
1390795_at	508	P	0,04	396	P	0,05	-0,68	1,6
1390905_at	1896,3	P	0	1036,1	P	0	-0,68	1,6
1368146_at	910,5	P	0	492,4	P	0	-0,67	1,6
1370951_at	351,5	P	0	235,6	P	0,02	-0,67	1,6
1374273_at	820,4	P	0	559,8	P	0	-0,67	1,6
1376087_at	511,6	P	0	344,5	P	0,01	-0,67	1,6
1377828_at	3232,5	P	0	2037,9	P	0	-0,67	1,6
1386728_at	799,2	P	0	336,4	P	0,02	-0,67	1,6
1390778_at	502,6	P	0	445,4	P	0,01	-0,67	1,6
1396556_at	493,3	P	0,03	377,2	A	0,15	-0,67	1,6

1397475_at	489,2	P	0,02	298,6	A	0,11	-0,67	1,6
1370205_at	970,5	P	0	609,2	P	0	-0,66	1,6
1377809_at	1268,3	P	0	824,5	P	0,02	-0,66	1,6
1385343_at	1035,7	P	0	651,3	P	0	-0,66	1,6
1390849_at	418,6	P	0,01	293,8	P	0,04	-0,66	1,6
1392856_at	609,9	P	0	375,5	P	0	-0,66	1,6
1393389_at	627,6	P	0	513,8	P	0	-0,66	1,6
1378197_at	6141,7	P	0	3985,3	P	0	-0,65	1,6
1379056_at	524,7	P	0	296,2	P	0	-0,65	1,6
1383475_at	398,8	P	0	270,4	P	0	-0,65	1,6
1385731_at	568,7	P	0	406,7	P	0	-0,65	1,6
1391656_at	779	P	0,02	478,9	A	0,08	-0,65	1,6
1368891_at	115,9	P	0,04	79,9	A	0,13	-0,64	1,6
1374742_at	2924	P	0	2060	P	0	-0,64	1,6
1380120_at	1227,1	P	0	737,6	P	0	-0,64	1,6
1384444_at	1421,6	P	0,02	901,8	P	0,03	-0,64	1,6
1389754_at	600,3	P	0	309,6	P	0,01	-0,64	1,6
1390841_at	1098,8	P	0	745,9	P	0,02	-0,64	1,6
1393383_at	5355,2	P	0,01	3646,5	P	0,02	-0,64	1,6
1397944_at	1689	P	0	1070,8	P	0	-0,64	1,6
1376396_a_at	264,7	P	0	176	P	0	-0,63	1,5
1380086_at	784,2	P	0,05	607,8	A	0,13	-0,63	1,5
1380471_at	1731,6	P	0	1855,8	P	0	-0,63	1,5
1385782_at	4697,9	P	0	3255	P	0	-0,63	1,5
1387023_at	1966	P	0	1236,1	P	0	-0,63	1,5
1388750_at	1674,7	P	0	1056,3	P	0	-0,63	1,5
1388755_at	284,2	P	0	278,1	P	0	-0,63	1,5
1393408_at	1790	P	0	1174,1	P	0	-0,63	1,5
1394793_at	746,9	P	0	448,8	P	0	-0,63	1,5
1396265_at	2628,3	P	0	1899,9	P	0	-0,63	1,5
1397348_at	1053,5	P	0	677,3	P	0	-0,63	1,5
1381576_at	528,4	P	0,01	377,9	P	0,05	-0,62	1,5
1385261_s_at	434,3	P	0	297,9	P	0	-0,62	1,5
1385546_at	1543,1	P	0	822,4	P	0	-0,62	1,5
1391084_at	836,8	P	0	432,6	P	0	-0,62	1,5

1392791_at	2817,4	P	0	1840,8	P	0	-0,62	1,5
1393435_at	1251,8	P	0	955,6	P	0	-0,62	1,5
1393980_at	1641,4	P	0	1064,4	P	0	-0,62	1,5
1370454_at	683,4	P	0	434,8	P	0	-0,61	1,5
1378144_at	260	P	0,01	190,2	P	0,05	-0,61	1,5
1378151_at	425,5	P	0,01	282,9	A	0,07	-0,61	1,5
1379706_at	1568,2	P	0	939,2	P	0	-0,61	1,5
1380253_at	560,1	P	0	522,1	P	0	-0,61	1,5
1380712_at	1151,3	P	0	1043,8	P	0,01	-0,61	1,5
1381597_at	903,4	P	0,01	560,8	P	0,02	-0,61	1,5
1384687_at	938,9	P	0	561,2	P	0	-0,61	1,5
1389334_at	925,9	P	0	580,5	P	0	-0,61	1,5
1391672_at	2644,1	P	0	1629,5	P	0	-0,61	1,5
1392238_at	1944,4	P	0	1172,8	P	0	-0,61	1,5
1392248_at	292,4	P	0,01	235,6	P	0,01	-0,61	1,5
1392646_at	663,4	P	0	505,5	P	0	-0,61	1,5
1392836_at	473,8	P	0,01	329,9	A	0,07	-0,61	1,5
1397185_at	1397,7	P	0	950,6	P	0,02	-0,61	1,5
1370648_a_at	913,5	P	0	546,2	P	0	-0,6	1,5
1371561_at	736,4	P	0	521,6	P	0,01	-0,6	1,5
1378320_at	1068,1	P	0	637,4	P	0,01	-0,6	1,5
1379855_at	651,6	P	0	544,9	P	0	-0,6	1,5
1383019_at	1052,5	P	0	606,4	P	0	-0,6	1,5
1386089_at	708,7	P	0,01	458	A	0,08	-0,6	1,5
1388974_at	785	P	0	619,6	P	0	-0,6	1,5
1389491_at	2532,4	P	0	1846,5	P	0	-0,6	1,5
1392480_at	2914,7	P	0	1925,3	P	0	-0,6	1,5
1392493_at	919,8	P	0	672	P	0	-0,6	1,5
1367923_at	1168,4	P	0	695,9	P	0	-0,59	1,5
1378562_at	641,1	P	0,01	420,1	P	0,02	-0,59	1,5
1383361_at	4697,3	P	0	2727,1	P	0	-0,59	1,5
1383454_a_at	1167,9	P	0,02	868,9	P	0,05	-0,59	1,5
1386998_at	7118,6	P	0	4745,9	P	0	-0,59	1,5
1390999_at	2641	P	0	1999,9	P	0	-0,59	1,5
1392108_at	951,3	P	0	605,2	P	0	-0,59	1,5

1392477_at	3087,6	P	0	2111,2	P	0	-0,59	1,5
1396389_at	742,3	P	0	481,9	P	0	-0,59	1,5
1367852_s_at	585,7	P	0	397,4	P	0	-0,58	1,5
1370074_at	1223,5	P	0	701,9	P	0,01	-0,58	1,5
1372502_at	565,1	P	0	421	P	0	-0,58	1,5
1377216_at	1397,7	P	0	991,1	P	0	-0,58	1,5
1378105_at	1102,3	P	0	876,8	P	0	-0,58	1,5
1379052_at	1957,8	P	0	1464,2	P	0	-0,58	1,5
1380944_at	414,8	P	0,03	226,8	A	0,17	-0,58	1,5
1382096_at	3354,7	P	0	2540	P	0	-0,58	1,5
1382527_at	1412,3	P	0	1129,7	P	0	-0,58	1,5
1384277_at	2863,1	P	0	1581,3	P	0	-0,58	1,5
1387572_at	283,4	P	0,01	213,2	A	0,08	-0,58	1,5
1392788_at	501,4	P	0	345,6	P	0	-0,58	1,5
1394402_at	1489,3	P	0	1309,4	P	0,01	-0,58	1,5
1395672_at	1533,6	P	0	1111,7	P	0	-0,58	1,5
1370026_at	975,1	P	0	581,7	P	0	-0,57	1,5
1370991_at	141,6	P	0	110,2	P	0,01	-0,57	1,5
1376764_at	1110,5	P	0	760,1	P	0	-0,57	1,5
1377156_at	805,9	P	0	639,9	P	0	-0,57	1,5
1378406_at	270,9	P	0	208,3	P	0	-0,57	1,5
1381511_at	406,9	P	0	318	P	0	-0,57	1,5
1382128_at	1486,9	P	0	1043,4	P	0	-0,57	1,5
1384863_at	1505,5	P	0	984,3	P	0	-0,57	1,5
1387040_at	2633	P	0	1806,8	P	0	-0,57	1,5
1387317_at	1232,6	P	0	876,2	P	0	-0,57	1,5
1391575_at	2575,4	P	0	1791	P	0	-0,57	1,5
1395661_at	1793,9	P	0,01	1247,1	P	0,01	-0,57	1,5
1396405_at	5487,4	P	0	4221,7	P	0	-0,57	1,5
1397246_at	4262	P	0	2739,3	P	0	-0,57	1,5
1397612_at	408,2	P	0	313,5	P	0	-0,57	1,5
1368056_at	1079,8	P	0	661,1	P	0	-0,56	1,5
1370185_at	1014,5	P	0	713,2	P	0	-0,56	1,5
1370334_at	2591	P	0	1642	P	0	-0,56	1,5
1370950_at	682	P	0	361,1	P	0	-0,56	1,5

1374168_at	1084,7	P	0	865,8	P	0	-0,56	1,5
1377168_at	638,2	P	0	354,1	P	0,01	-0,56	1,5
1377929_at	3794,6	P	0	2899	P	0	-0,56	1,5
1378063_at	2010,9	P	0	1261,8	P	0	-0,56	1,5
1378665_at	1171,6	P	0	601,7	P	0	-0,56	1,5
1379218_at	881,5	P	0	689,8	P	0	-0,56	1,5
1379346_at	1732,7	P	0	1070,3	P	0	-0,56	1,5
1379757_at	3369,5	P	0	2300,1	P	0	-0,56	1,5
1380170_at	1950,3	P	0	1304,7	P	0	-0,56	1,5
1380811_at	1277,2	P	0	826,3	P	0	-0,56	1,5
1381237_at	902	P	0	640	P	0	-0,56	1,5
1383249_at	5421	P	0	3576,1	P	0	-0,56	1,5
1383511_at	6193,8	P	0	4821,6	P	0	-0,56	1,5
1383887_at	7811,3	P	0	5168,4	P	0	-0,56	1,5
1384859_at	481,1	P	0	432	P	0,01	-0,56	1,5
1385637_at	353,5	P	0	343,7	P	0,04	-0,56	1,5
1393119_at	575	P	0	319,6	P	0	-0,56	1,5
1394585_at	464,5	P	0,01	315,9	M	0,06	-0,56	1,5
1395918_at	238,7	P	0	165,5	P	0	-0,56	1,5
1367649_at	785,1	P	0	558,4	P	0	-0,55	1,5
1370982_at	560,4	P	0	371,1	P	0,01	-0,55	1,5
1372144_at	387,8	P	0,02	259,4	P	0,05	-0,55	1,5
1373486_at	1577,8	P	0	1098,7	P	0	-0,55	1,5
1373533_at	1338,2	P	0	996,7	P	0	-0,55	1,5
1374653_at	714	P	0,01	412,6	M	0,06	-0,55	1,5
1379505_at	2790,1	P	0	1881,3	P	0	-0,55	1,5
1383608_at	1500,2	P	0,01	1123,1	P	0,05	-0,55	1,5
1389511_s_at	3972,5	P	0	2694,9	P	0	-0,55	1,5
1389820_at	2960,2	P	0	2016,1	P	0	-0,55	1,5
1391081_at	297,3	P	0	290,5	P	0,01	-0,55	1,5
1393413_at	680,1	P	0,01	536,7	P	0,02	-0,55	1,5
1394097_at	1137,9	P	0,02	778,2	P	0,02	-0,55	1,5
1394714_at	2327,7	P	0	1697	P	0	-0,55	1,5
1395142_at	586,9	P	0	398,1	P	0	-0,55	1,5
1370439_a_at	950,1	P	0	679,9	P	0	-0,54	1,5

1372762_at	341,9	P	0	191,1	P	0	-0,54	1,5
1377934_at	481,5	P	0	325,2	P	0,01	-0,54	1,5
1378591_at	2418,2	P	0	1995,6	P	0	-0,54	1,5
1379419_at	1663,2	P	0	1374	P	0	-0,54	1,5
1380182_at	958,3	P	0	679,4	P	0	-0,54	1,5
1381449_s_at	597,4	P	0,01	482,4	P	0,03	-0,54	1,5
1393765_at	220,2	P	0,02	126	P	0,04	-0,54	1,5
1396252_at	220,5	P	0	133,9	P	0	-0,54	1,5
1396893_at	420,9	P	0	246,4	P	0	-0,54	1,5
1398348_at	999,6	P	0	673,1	P	0	-0,54	1,5
1367892_at	1106,3	P	0	689,7	P	0	-0,53	1,4
1368145_at	6016,3	P	0	3715,3	P	0	-0,53	1,4
1368524_at	929,6	P	0	708,7	P	0	-0,53	1,4
1368577_at	720,2	P	0	345,7	P	0	-0,53	1,4
1372587_at	252,6	P	0	171,3	P	0,01	-0,53	1,4
1372931_at	925,6	P	0	829,8	P	0	-0,53	1,4
1377992_at	1355,1	P	0,01	912,4	P	0,03	-0,53	1,4
1379076_at	189,3	P	0	161,9	P	0	-0,53	1,4
1379373_at	3818,2	P	0	2041,3	P	0	-0,53	1,4
1380329_at	3216,5	P	0	2356,9	P	0	-0,53	1,4
1380852_at	2584	P	0	1613,6	P	0	-0,53	1,4
1383086_at	4264,5	P	0	3120,3	P	0	-0,53	1,4
1385560_at	3555,4	P	0	2463,5	P	0	-0,53	1,4
1385909_at	3270,6	P	0	2222,9	P	0	-0,53	1,4
1389086_at	1156,6	P	0	841,1	P	0	-0,53	1,4
1390437_at	509	P	0	379,6	P	0	-0,53	1,4
1392125_at	520,2	P	0	448,3	P	0	-0,53	1,4
1392273_at	356,6	P	0	217,3	P	0,02	-0,53	1,4
1392285_at	1178,4	P	0	801,7	P	0,01	-0,53	1,4
1392506_at	1566,4	P	0	1067,4	P	0	-0,53	1,4
1392893_a_at	1264	P	0	1008,9	P	0	-0,53	1,4
1393063_at	1125,5	P	0	818,6	P	0	-0,53	1,4
1372134_at	596,2	P	0	462,3	P	0	-0,52	1,4
1372336_at	1756,3	P	0	1143,8	P	0	-0,52	1,4
1372920_at	436,1	P	0	316	P	0,01	-0,52	1,4

1374106_at	450,9	P	0	271,7	P	0	-0,52	1,4
1377366_at	763,3	P	0	564,6	P	0,02	-0,52	1,4
1378292_at	8475	P	0	5958,7	P	0	-0,52	1,4
1378480_at	1221,6	P	0	948,3	P	0	-0,52	1,4
1378886_x_at	415,8	P	0,01	321,2	P	0	-0,52	1,4
1379867_at	2028,3	P	0	1391,2	P	0	-0,52	1,4
1381243_at	2578,9	P	0	2139,3	P	0	-0,52	1,4
1381533_at	399,2	P	0,02	361,6	P	0,02	-0,52	1,4
1383258_at	1900,1	P	0	1251,6	P	0	-0,52	1,4
1386860_at	1662,3	P	0	1136,3	P	0	-0,52	1,4
1387121_a_at	5644,9	P	0	4092,7	P	0	-0,52	1,4
1387199_a_at	1817,4	P	0	986,9	P	0	-0,52	1,4
1387928_at	1304,6	P	0	977	P	0	-0,52	1,4
1388187_at	2121,6	P	0	1370,5	P	0	-0,52	1,4
1389805_at	543,1	P	0	474,9	P	0	-0,52	1,4
1390509_a_at	498,6	P	0	329	P	0	-0,52	1,4
1391174_at	809,5	P	0	713,7	P	0,01	-0,52	1,4
1391406_at	2037,5	P	0	1379,8	P	0	-0,52	1,4
1391885_at	425,4	P	0	466,9	P	0,01	-0,52	1,4
1392013_at	2135,6	P	0	1697,3	P	0	-0,52	1,4
1392770_at	825,9	P	0,01	531,7	P	0,01	-0,52	1,4
1392866_at	645,2	P	0	512,4	P	0	-0,52	1,4
1395991_at	3427	P	0	2552,7	P	0	-0,52	1,4
1397500_x_at	5291,2	P	0	3404,7	P	0	-0,52	1,4
1367805_at	1973,5	P	0	2180,9	P	0	-0,51	1,4
1367853_at	1883,6	P	0	1247,5	P	0	-0,51	1,4
1370375_at	574	P	0	379,5	P	0	-0,51	1,4
1372681_at	739	P	0	543,5	P	0	-0,51	1,4
1375517_at	1682,6	P	0	1076	P	0	-0,51	1,4
1377831_at	1614,9	P	0	1079,4	P	0	-0,51	1,4
1379270_at	4078	P	0	2618,5	P	0	-0,51	1,4
1380969_at	397,9	P	0,02	236,3	P	0,02	-0,51	1,4
1383385_at	963,9	P	0	704,2	P	0	-0,51	1,4
1383504_at	2094,3	P	0	1547,6	P	0	-0,51	1,4
1389424_at	339	P	0	240,3	P	0	-0,51	1,4

1392895_at	759	P	0	675,9	P	0,01	-0,51	1,4
1393808_at	2010,4	P	0	1205,4	P	0	-0,51	1,4
1397758_at	823,9	P	0	673,7	P	0	-0,51	1,4
1398499_at	199,1	P	0,01	118,5	A	0,08	-0,51	1,4
1398604_at	1397	P	0,02	1018,1	P	0,04	-0,51	1,4
1371324_at	665,8	P	0	407,6	P	0	-0,5	1,4
1372527_at	542	P	0	420,3	P	0	-0,5	1,4
1374833_at	1147,3	P	0	867,5	P	0	-0,5	1,4
1375090_at	4391,8	P	0	2466,5	P	0	-0,5	1,4
1378068_at	657,8	P	0	511,6	P	0	-0,5	1,4
1378083_at	3269,5	P	0	2434,1	P	0	-0,5	1,4
1378707_at	1248	P	0	768,6	P	0	-0,5	1,4
1383530_at	3315,7	P	0	2266,6	P	0	-0,5	1,4
1383649_a_at	339,8	P	0	233,7	P	0	-0,5	1,4
1385716_at	1609,9	P	0	1007,1	P	0	-0,5	1,4
1387200_at	1893,7	P	0	1395,3	P	0	-0,5	1,4
1391605_at	1524,5	P	0	897	P	0	-0,5	1,4
1392634_at	1141,5	P	0,01	1049,7	P	0,04	-0,5	1,4
1393197_at	4314,7	P	0	3008,5	P	0	-0,5	1,4
1393263_at	8331,2	P	0	4984,6	P	0	-0,5	1,4
1393723_at	674,1	P	0,02	364,5	A	0,08	-0,5	1,4
1397422_at	459,4	P	0	276,7	P	0	-0,5	1,4
1367604_at	1684,7	P	0	1278,7	P	0	-0,49	1,4
1367706_at	2623,6	P	0	1859,4	P	0	-0,49	1,4
1368100_at	750,3	P	0	567,2	P	0,02	-0,49	1,4
1368263_a_at	2369,5	P	0	1568,1	P	0	-0,49	1,4
1370237_at	625,9	P	0	457,8	P	0,01	-0,49	1,4
1371355_at	2855,8	P	0	1983,4	P	0	-0,49	1,4
1374635_at	1123,1	P	0	881,4	P	0	-0,49	1,4
1375795_at	205,8	P	0	187,2	P	0	-0,49	1,4
1375944_at	1156,4	P	0	823,5	P	0	-0,49	1,4
1379620_at	855,8	P	0,02	586,2	A	0,07	-0,49	1,4
1379626_at	1835,9	P	0	1407,7	P	0	-0,49	1,4
1382134_at	1056,7	P	0	803,9	P	0	-0,49	1,4
1382192_at	224,9	P	0,01	153,8	P	0,04	-0,49	1,4

1382289_at	989,9	P	0	775,6	P	0	-0,49	1,4
1383220_at	2779,1	P	0	2216,9	P	0	-0,49	1,4
1383418_at	2903,6	P	0	2210,9	P	0	-0,49	1,4
1383420_at	386,7	P	0,04	277,8	A	0,19	-0,49	1,4
1383707_at	838	P	0	1168,3	P	0,02	-0,49	1,4
1383749_at	526,1	P	0	257,3	P	0	-0,49	1,4
1384469_at	866,7	P	0	546,2	P	0	-0,49	1,4
1388365_at	3524,7	P	0	2513,9	P	0	-0,49	1,4
1389496_at	636,6	P	0	471,7	P	0	-0,49	1,4
1390477_at	3044,1	P	0	2168,5	P	0	-0,49	1,4
1390674_at	1760,8	P	0	905,8	P	0	-0,49	1,4
1391698_at	1202,6	P	0	852,9	P	0	-0,49	1,4
1393138_at	8120	P	0	5377	P	0	-0,49	1,4
1395433_at	1004,9	P	0	610,9	P	0	-0,49	1,4
1395651_at	1122,9	P	0	622,3	P	0	-0,49	1,4
1396408_at	1023,9	P	0,01	893,4	P	0,02	-0,49	1,4
1398357_at	5100,5	P	0	3996,4	P	0	-0,49	1,4
1368527_at	57	P	0	48,2	P	0	-0,48	1,4
1371245_a_at	709,4	P	0	542,9	P	0	-0,48	1,4
1373021_at	569,9	P	0	510,2	P	0	-0,48	1,4
1373642_at	391,6	P	0	342,2	P	0	-0,48	1,4
1374104_at	1147,8	P	0	894,9	P	0	-0,48	1,4
1378205_at	1301,5	P	0,01	1014,5	P	0,01	-0,48	1,4
1379966_at	1833,2	P	0	1190,3	P	0,01	-0,48	1,4
1383995_at	3017,5	P	0	2036,1	P	0,01	-0,48	1,4
1385723_at	757,2	P	0,01	532,1	M	0,06	-0,48	1,4
1387927_a_at	5682,8	P	0	3924,9	P	0	-0,48	1,4
1390100_s_at	351	P	0,01	171,1	P	0,01	-0,48	1,4
1390597_at	423,6	P	0	298,4	P	0	-0,48	1,4
1390912_at	1238,3	P	0	881,3	P	0	-0,48	1,4
1391708_at	1200	P	0	880,4	P	0	-0,48	1,4
1394517_at	373,1	P	0	294,7	P	0	-0,48	1,4
1394786_at	6323,1	P	0	4247,4	P	0	-0,48	1,4
1395714_at	6936,8	P	0	4816,1	P	0	-0,48	1,4
1397183_at	491,5	P	0,01	471,5	P	0,02	-0,48	1,4

1397407_at	953,7	P	0	760,6	P	0	-0,48	1,4
1398368_at	1793,5	P	0	1056	P	0	-0,48	1,4
1373501_at	1925,4	P	0	1383,8	P	0	-0,47	1,4
1374702_at	3139	P	0	2139,9	P	0	-0,47	1,4
1375856_at	1831,5	P	0	1445,4	P	0	-0,47	1,4
1376000_at	911,4	P	0	587,9	P	0	-0,47	1,4
1376665_at	255,4	P	0	183,4	P	0	-0,47	1,4
1376930_at	432,9	P	0	305,9	P	0	-0,47	1,4
1377001_at	816,2	P	0	560,1	P	0	-0,47	1,4
1377240_at	804,4	P	0	600,6	P	0	-0,47	1,4
1378130_at	1669,8	P	0	1173,2	P	0	-0,47	1,4
1379510_at	1421,4	P	0	1012,8	P	0	-0,47	1,4
1380283_at	241,1	P	0	161,5	M	0,06	-0,47	1,4
1382469_at	943,1	P	0,01	1183,4	P	0,01	-0,47	1,4
1383744_at	1575,7	P	0	989,1	P	0	-0,47	1,4
1384345_at	248,8	P	0	155,1	P	0,01	-0,47	1,4
1384877_at	434,6	P	0	279,1	P	0	-0,47	1,4
1389256_at	570,2	P	0	518,7	P	0	-0,47	1,4
1390800_a_at	227,5	P	0	105,5	P	0,01	-0,47	1,4
1391036_at	4590,8	P	0	3305,7	P	0	-0,47	1,4
1391794_at	1186,9	P	0	946,3	P	0	-0,47	1,4
1392003_at	1927,3	P	0	1181,9	P	0	-0,47	1,4
1393486_at	5377,2	P	0	3825,2	P	0	-0,47	1,4
1396317_at	954,8	P	0	587,8	P	0	-0,47	1,4
1396451_at	579,4	P	0	433,1	P	0	-0,47	1,4
1398458_at	693,5	P	0	464,3	P	0,01	-0,47	1,4
1371942_at	1229,5	P	0	761,8	P	0	-0,46	1,4
1372235_at	1240,3	P	0	786,8	P	0	-0,46	1,4
1372335_at	1435,1	P	0	961,4	P	0	-0,46	1,4
1373646_at	1176	P	0	806	P	0	-0,46	1,4
1373839_at	1719,7	P	0	1218,7	P	0	-0,46	1,4
1373864_at	1000,5	P	0	775,4	P	0	-0,46	1,4
1374591_at	1923,6	P	0	1307,7	P	0	-0,46	1,4
1378315_at	650,1	P	0	544,8	P	0	-0,46	1,4
1380152_at	734,2	P	0	1009,3	P	0,01	-0,46	1,4

1382137_at	2589,6	P	0	1899,7	P	0	-0,46	1,4
1383439_at	1459,9	P	0	1342,6	P	0	-0,46	1,4
1385851_at	652,4	P	0	525	P	0	-0,46	1,4
1390796_at	728,6	P	0	518,1	P	0	-0,46	1,4
1391197_at	1067,1	P	0,03	621,6	A	0,08	-0,46	1,4
1391444_at	2195,3	P	0	1528,2	P	0	-0,46	1,4
1392974_at	4267,7	P	0	2843,7	P	0	-0,46	1,4
1395183_at	2363,3	P	0	1916,8	P	0	-0,46	1,4
1395425_at	2619,6	P	0	1872,2	P	0	-0,46	1,4
1395467_at	3621,5	P	0	2649,9	P	0	-0,46	1,4
1395637_at	1761	P	0	1229,7	P	0	-0,46	1,4
1398457_at	318,5	P	0	326,4	P	0	-0,46	1,4
1399130_at	756,8	P	0	534	P	0	-0,46	1,4
1368656_at	1960,8	P	0	1476,5	P	0	-0,45	1,4
1370284_at	2734	P	0	1816,3	P	0	-0,45	1,4
1371986_at	931,2	P	0	782,7	P	0	-0,45	1,4
1373202_at	2074,4	P	0	1497,3	P	0	-0,45	1,4
1373266_at	4089,1	P	0	2908,8	P	0	-0,45	1,4
1377237_at	1667,8	P	0	1260,8	P	0	-0,45	1,4
1377456_at	529,2	P	0	430,4	P	0	-0,45	1,4
1378091_at	1628,6	P	0	1423,4	P	0	-0,45	1,4
1378098_at	1928,5	P	0	1312,5	P	0	-0,45	1,4
1378365_at	752	P	0,01	606	P	0,01	-0,45	1,4
1378796_at	4558,1	P	0	3167,8	P	0	-0,45	1,4
1378818_at	2253,7	P	0	1739,7	P	0	-0,45	1,4
1379054_at	626,8	P	0,05	357,3	A	0,17	-0,45	1,4
1379088_x_at	41,1	P	0,01	23,6	A	0,27	-0,45	1,4
1379413_at	531,4	P	0,01	399,4	A	0,08	-0,45	1,4
1379445_at	634,7	P	0	520,5	P	0	-0,45	1,4
1380195_at	2372,1	P	0	1688,5	P	0	-0,45	1,4
1382039_at	1040,4	P	0	794,2	P	0	-0,45	1,4
1382139_at	2592,9	P	0	1771,7	P	0	-0,45	1,4
1382205_at	1650,2	P	0	1191,3	P	0	-0,45	1,4
1382252_at	649,1	P	0	458	P	0	-0,45	1,4
1383415_at	2161,2	P	0	1512	P	0	-0,45	1,4

1383651_a_at	943,6	P	0	738,4	P	0	-0,45	1,4
1386969_at	1692,3	P	0	1278,4	P	0	-0,45	1,4
1387811_at	1364,5	P	0	971,5	P	0	-0,45	1,4
1388608_x_at	3916,8	P	0	2466,4	P	0	-0,45	1,4
1393478_at	1399,1	P	0	1160,2	P	0	-0,45	1,4
1371415_at	3128,6	P	0	2270,8	P	0	-0,44	1,4
1372382_at	415,4	P	0	304,3	P	0	-0,44	1,4
1373648_at	450,1	P	0,04	337,7	P	0,05	-0,44	1,4
1377767_at	2221,4	P	0	1626,2	P	0	-0,44	1,4
1378998_at	1190,7	P	0,01	710,2	P	0,01	-0,44	1,4
1382818_at	2777,4	P	0	1978,6	P	0	-0,44	1,4
1382956_at	3743,4	P	0	3752	P	0	-0,44	1,4
1383498_at	2686,6	P	0	2089,3	P	0	-0,44	1,4
1385280_at	1812	P	0	1115,1	P	0	-0,44	1,4
1385581_at	1730,6	P	0	1330,9	P	0	-0,44	1,4
1388357_at	2833,2	P	0	2053,8	P	0	-0,44	1,4
1389186_at	300,4	P	0,01	205,1	P	0,02	-0,44	1,4
1393056_at	750,1	P	0	448,4	P	0	-0,44	1,4
1394463_at	2669,6	P	0	1852,2	P	0	-0,44	1,4
1398411_at	656,1	P	0	497,2	P	0	-0,44	1,4
1370240_x_at	6796,6	P	0	4951,1	P	0	-0,43	1,3
1370500_a_at	5276,7	P	0	3476,6	P	0	-0,43	1,3
1371817_at	336,9	P	0	283,6	P	0	-0,43	1,3
1372614_at	546,7	P	0	394,2	P	0	-0,43	1,3
1372905_at	721,7	P	0	589,2	P	0	-0,43	1,3
1374414_at	2281	P	0	1814,7	P	0	-0,43	1,3
1376893_at	2925,4	P	0	2178,7	P	0	-0,43	1,3
1379369_at	2066,1	P	0	1479,6	P	0	-0,43	1,3
1383431_at	2850,9	P	0	1579,1	P	0	-0,43	1,3
1385598_at	1238,3	P	0	796,8	P	0	-0,43	1,3
1386119_at	2359,4	P	0	2127,1	P	0	-0,43	1,3
1390896_at	3046,8	P	0	2408,9	P	0	-0,43	1,3
1390962_at	526,5	P	0	377,2	P	0	-0,43	1,3
1391546_at	2738,5	P	0	2160	P	0	-0,43	1,3
1394459_at	1056,4	P	0	884,3	P	0	-0,43	1,3

1395405_at	3334,4	P	0	2608,9	P	0	-0,43	1,3
1395468_at	986	P	0	967,4	P	0	-0,43	1,3
1395789_at	597,6	P	0	409,7	P	0	-0,43	1,3
1375575_at	3300,1	P	0	2258,3	P	0	-0,42	1,3
1377522_a_at	1055,6	P	0,01	793,7	P	0,01	-0,42	1,3
1377722_at	8104,7	P	0	7087,1	P	0	-0,42	1,3
1378595_at	2011,1	P	0	1543,9	P	0	-0,42	1,3
1379277_at	2557,4	P	0	1839,3	P	0	-0,42	1,3
1379468_at	4666,3	P	0	3727	P	0	-0,42	1,3
1382088_at	2948,1	P	0	1963,1	P	0	-0,42	1,3
1382756_at	2098,6	P	0	1631,5	P	0	-0,42	1,3
1384172_at	908,5	P	0	583,9	P	0	-0,42	1,3
1385061_at	1962,6	P	0	1438,9	P	0	-0,42	1,3
1387898_at	326	P	0	334,6	P	0	-0,42	1,3
1389900_at	169,6	P	0	160,6	P	0	-0,42	1,3
1390976_at	6784,5	P	0	4775,5	P	0	-0,42	1,3
1391601_at	3126,7	P	0,03	2216,3	A	0,07	-0,42	1,3
1391636_at	452,6	P	0	388,5	P	0	-0,42	1,3
1393386_at	453,5	P	0,01	286,2	P	0,03	-0,42	1,3
1393661_at	1885,4	P	0,01	1320,7	P	0,01	-0,42	1,3
1395172_at	757,9	P	0	827	P	0	-0,42	1,3
1397217_at	2983,4	P	0	2192,2	P	0	-0,42	1,3
1368162_at	150,2	P	0	95,1	A	0,1	-0,41	1,3
1370546_at	387,9	P	0,05	269,1	A	0,1	-0,41	1,3
1378065_at	10985,7	P	0	8113,2	P	0	-0,41	1,3
1378790_at	252,6	P	0,02	172,5	A	0,17	-0,41	1,3
1379070_at	402,3	P	0	354,3	P	0	-0,41	1,3
1382316_at	988,9	P	0	841	P	0	-0,41	1,3
1382651_at	3405,7	P	0	2604,8	P	0	-0,41	1,3
1383066_at	4287,3	P	0	3268,8	P	0	-0,41	1,3
1383510_at	1355,9	P	0	969,2	P	0	-0,41	1,3
1385739_at	2853	P	0	2293,5	P	0	-0,41	1,3
1387907_at	2710,6	P	0	2050,9	P	0	-0,41	1,3
1387934_at	2486,7	P	0	1790,3	P	0	-0,41	1,3
1388713_at	1618,2	P	0	1296,5	P	0	-0,41	1,3

1389797_at	430,8	P	0	261,2	P	0	-0,41	1,3
1390783_at	1400,6	P	0	1143	P	0	-0,41	1,3
1391085_at	638,8	P	0	513,6	P	0	-0,41	1,3
1391970_at	5641,7	P	0	3669,6	P	0,01	-0,41	1,3
1392092_at	1241,4	P	0,01	1077,8	P	0,03	-0,41	1,3
1393708_at	1780,9	P	0	1393,6	P	0	-0,41	1,3
1394894_at	213,6	P	0,04	152,2	A	0,07	-0,41	1,3
1396339_at	650,7	P	0	471,3	P	0	-0,41	1,3
1396896_at	470,9	P	0,02	457,9	P	0,04	-0,41	1,3
1397549_at	3089,4	P	0,01	2581,8	P	0,01	-0,41	1,3
1398479_at	972,1	P	0	615,9	P	0	-0,41	1,3
1371102_x_at	705,1	P	0	509,7	P	0	-0,4	1,3
1376808_at	458,8	P	0	332,5	P	0,02	-0,4	1,3
1378531_at	515,9	P	0	316,6	P	0	-0,4	1,3
1379414_at	5573,7	P	0	3828,4	P	0	-0,4	1,3
1382438_at	3356	P	0	3171,3	P	0	-0,4	1,3
1382486_at	942,5	P	0,02	675,4	M	0,06	-0,4	1,3
1383294_at	1474,9	P	0	1101,2	P	0	-0,4	1,3
1383435_at	6312,5	P	0	4497,7	P	0	-0,4	1,3
1383650_at	265,7	P	0,02	208,6	M	0,06	-0,4	1,3
1383694_at	5088,8	P	0	3344,8	P	0	-0,4	1,3
1383737_at	2487,1	P	0	1679,8	P	0	-0,4	1,3
1383785_at	1294,2	P	0	1162,1	P	0	-0,4	1,3
1385622_at	1133	P	0	783,5	P	0	-0,4	1,3
1386035_at	2941,6	P	0	2193,5	P	0	-0,4	1,3
1387022_at	375,7	P	0	247,2	P	0	-0,4	1,3
1388738_at	1317,1	P	0	986,8	P	0	-0,4	1,3
1389043_at	802,5	P	0	578,8	P	0	-0,4	1,3
1390951_at	2930,6	P	0	2257,9	P	0	-0,4	1,3
1391553_at	775,2	P	0	642,7	P	0	-0,4	1,3
1392543_at	2406,7	P	0	1396,8	P	0	-0,4	1,3
1392735_at	1448,7	P	0	1267,3	P	0	-0,4	1,3
1393307_at	4699,3	P	0	3498,5	P	0	-0,4	1,3
1367947_at	1002,5	P	0	925,4	P	0	-0,39	1,3
1368696_at	1601	P	0	1130,1	P	0	-0,39	1,3

1370434_a_at	5877,6	P	0	4398,1	P	0	-0,39	1,3
1371400_at	541,5	P	0	405,6	P	0	-0,39	1,3
1371796_at	1620,8	P	0	1227,1	P	0	-0,39	1,3
1373098_at	2300,6	P	0	2304,2	P	0	-0,39	1,3
1380227_at	356,7	P	0,01	271,2	P	0,04	-0,39	1,3
1380255_at	1401,7	P	0	960,4	P	0	-0,39	1,3
1381654_at	752	P	0,01	595,2	P	0,01	-0,39	1,3
1381974_at	4518,5	P	0	3450,9	P	0	-0,39	1,3
1383399_at	8513,2	P	0	6507,7	P	0	-0,39	1,3
1383459_at	2329	P	0	1554,7	P	0	-0,39	1,3
1383542_at	10767,5	P	0	8328,6	P	0	-0,39	1,3
1390196_at	4006,5	P	0	2695,2	P	0	-0,39	1,3
1390731_at	934,6	P	0	594,2	P	0,01	-0,39	1,3
1391153_at	694,2	P	0	715,1	P	0,01	-0,39	1,3
1392468_at	4728,6	P	0	3359,5	P	0,01	-0,39	1,3
1392989_at	2187,5	P	0	1685,6	P	0	-0,39	1,3
1399080_at	768,2	P	0	556,2	P	0	-0,39	1,3
1367865_at	931,2	P	0	613,3	P	0	-0,38	1,3
1370941_at	500,1	P	0	432,2	P	0	-0,38	1,3
1371531_at	1936,3	P	0	1444,2	P	0	-0,38	1,3
1372790_at	2564,2	P	0	1947,4	P	0	-0,38	1,3
1378487_at	474,3	P	0	428,2	P	0,01	-0,38	1,3
1379481_at	3367,4	P	0	2524,9	P	0	-0,38	1,3
1379545_at	16314,9	P	0	12002,2	P	0	-0,38	1,3
1379730_at	2588,2	P	0	1947,8	P	0	-0,38	1,3
1380089_at	376,2	P	0	344,6	P	0	-0,38	1,3
1380317_at	1784,3	P	0	1203,8	P	0	-0,38	1,3
1380828_at	8617,7	P	0	6855,2	P	0	-0,38	1,3
1381773_at	278,4	P	0,01	235,2	P	0,01	-0,38	1,3
1382098_at	6263,3	P	0	4836,9	P	0	-0,38	1,3
1382429_at	1143,9	P	0	834,9	P	0	-0,38	1,3
1383081_at	2109	P	0	1678,4	P	0	-0,38	1,3
1383283_at	678	P	0	594,6	P	0	-0,38	1,3
1383319_at	1236,4	P	0,01	1025,5	P	0,02	-0,38	1,3
1383483_at	1428,2	P	0	999,1	P	0	-0,38	1,3

1383736_at	2486,9	P	0	1894,9	P	0	-0,38	1,3
1383750_at	1284,5	P	0	1002,5	P	0	-0,38	1,3
1383861_at	4023,5	P	0	2976,1	P	0	-0,38	1,3
1384621_at	356,2	P	0,03	304,9	A	0,08	-0,38	1,3
1385126_at	2098,4	P	0	1493,9	P	0	-0,38	1,3
1385717_at	1240,7	P	0	862,2	P	0	-0,38	1,3
1385719_at	1825,1	P	0	1414	P	0	-0,38	1,3
1386922_at	1139,2	P	0	902,9	P	0	-0,38	1,3
1387032_at	3359	P	0	2510,4	P	0	-0,38	1,3
1389189_at	1312,8	P	0	962,8	P	0	-0,38	1,3
1391684_at	2190,9	P	0	1832,2	P	0,01	-0,38	1,3
1391828_at	254,4	P	0	187,9	P	0	-0,38	1,3
1391862_at	2012,6	P	0	1304,8	P	0	-0,38	1,3
1392823_at	6800,1	P	0	5283,6	P	0	-0,38	1,3
1393600_at	593,9	P	0,02	510,1	A	0,08	-0,38	1,3
1398405_at	929	P	0	718,9	P	0	-0,38	1,3
1398782_at	2475	P	0	1892,9	P	0	-0,38	1,3
1367733_at	1578,4	P	0	1120,4	P	0	-0,37	1,3
1378624_at	186,4	P	0	132,2	P	0,01	-0,37	1,3
1380180_at	1319,1	P	0	975,3	P	0,01	-0,37	1,3
1382517_at	1590,8	P	0	1254,9	P	0	-0,37	1,3
1383370_at	1218,6	P	0,01	1161,8	P	0,03	-0,37	1,3
1384545_at	830	P	0,04	704,9	P	0,05	-0,37	1,3
1391513_at	2744,4	P	0	2025,3	P	0	-0,37	1,3
1392368_at	485,6	P	0	298,1	P	0	-0,37	1,3
1393082_at	463,6	P	0	385	P	0	-0,37	1,3
1393167_at	487,7	P	0	550,8	P	0,01	-0,37	1,3
1395461_at	3200,2	P	0	2396,1	P	0	-0,37	1,3
1370239_at	7001,4	P	0	5355,2	P	0	-0,36	1,3
1377652_at	2244,9	P	0	1829,5	P	0	-0,36	1,3
1377841_at	1651,1	P	0	1457	P	0	-0,36	1,3
1379405_at	2594,1	P	0	2045,5	P	0	-0,36	1,3
1379525_at	528,9	P	0	655,2	P	0,01	-0,36	1,3
1382748_at	510,9	P	0	392,5	P	0	-0,36	1,3
1384289_at	4099	P	0	3022,3	P	0,01	-0,36	1,3

1385229_at	2456,9	P	0	1519,7	P	0	-0,36	1,3
1385912_at	1904,6	P	0	1410,6	P	0	-0,36	1,3
1388383_at	964,3	P	0	752,4	P	0	-0,36	1,3
1393250_at	1232,8	P	0	955,6	P	0	-0,36	1,3
1393730_at	1022,6	P	0	1057,5	P	0	-0,36	1,3
1393972_at	1352,7	P	0	1001,5	P	0	-0,36	1,3
1397184_at	2095,3	P	0	1470,5	P	0	-0,36	1,3
1398257_at	1471,5	P	0	1192,1	P	0	-0,36	1,3
1398578_at	6533,3	P	0	4803	P	0	-0,36	1,3
1371586_at	638	P	0	428,7	P	0	-0,35	1,3
1371844_at	2844	P	0	2136,2	P	0	-0,35	1,3
1377751_at	2267	P	0	1854,5	P	0	-0,35	1,3
1378705_at	1244,5	P	0	913,5	P	0	-0,35	1,3
1379324_at	6952,1	P	0	5576,6	P	0	-0,35	1,3
1380675_s_at	7074,5	P	0	5366,4	P	0	-0,35	1,3
1381608_at	470,3	P	0	333,4	P	0	-0,35	1,3
1383068_at	1657	P	0	1303,2	P	0	-0,35	1,3
1383212_at	7144,8	P	0	5793,2	P	0	-0,35	1,3
1384093_at	2249,1	P	0	1667,6	P	0	-0,35	1,3
1384247_at	1980,5	P	0	1507,5	P	0	-0,35	1,3
1386978_at	1316,8	P	0	979,1	P	0	-0,35	1,3
1390886_at	274,9	P	0	184,2	P	0	-0,35	1,3
1390943_at	3385,2	P	0	2675,9	P	0	-0,35	1,3
1392358_at	768,3	P	0	595,3	P	0	-0,35	1,3
1393230_s_at	595	P	0	497,9	P	0	-0,35	1,3
1393837_at	443	P	0	221	P	0	-0,35	1,3
1373843_at	1059	P	0	816,7	P	0	-0,34	1,3
1376167_at	651,8	P	0	513,1	P	0,01	-0,34	1,3
1377789_at	2851,3	P	0	2338,1	P	0	-0,34	1,3
1378400_at	453,8	P	0	343,7	P	0	-0,34	1,3
1380160_at	942,9	P	0	777,2	P	0	-0,34	1,3
1382655_at	1181,1	P	0	1014,8	P	0	-0,34	1,3
1383004_at	5939,2	P	0	4089,6	P	0	-0,34	1,3
1383260_at	4083,8	P	0	2945,3	P	0	-0,34	1,3
1383939_at	1529,5	P	0	1204,8	P	0	-0,34	1,3

1384655_at	1156,7	P	0	972,2	P	0	-0,34	1,3
1385749_at	4107,2	P	0	3205,4	P	0	-0,34	1,3
1388894_at	746,5	P	0,02	633,8	P	0,02	-0,34	1,3
1391039_at	9454,5	P	0	7114,4	P	0	-0,34	1,3
1396530_at	428,4	P	0	365,6	P	0,01	-0,34	1,3
1397227_at	4104,5	P	0	3170,8	P	0	-0,34	1,3
1375246_at	2461,6	P	0	2058,1	P	0	-0,33	1,3
1376169_at	222,4	P	0	151	P	0	-0,33	1,3
1379274_at	436,4	P	0,01	333,5	P	0,02	-0,33	1,3
1381996_at	17885,1	P	0	13917,9	P	0	-0,33	1,3
1384183_at	1430,6	P	0	1004,4	P	0	-0,33	1,3
1385176_at	2704,3	P	0	2221,7	P	0	-0,33	1,3
1385585_at	3989,3	P	0	3174,4	P	0	-0,33	1,3
1386042_at	810,5	P	0,02	580,5	P	0,05	-0,33	1,3
1395307_at	3702,2	P	0	2767,1	P	0	-0,33	1,3
1377700_at	3168,7	P	0	2462,1	P	0	-0,32	1,2
1377795_at	3368	P	0	2590,1	P	0	-0,32	1,2
1378021_at	1599,3	P	0	1165	P	0	-0,32	1,2
1379708_at	547,3	P	0,02	379,5	A	0,07	-0,32	1,2
1381190_at	1538,7	P	0	1060,3	P	0	-0,32	1,2
1382054_at	4630,4	P	0	3535,2	P	0	-0,32	1,2
1382278_at	1162,6	P	0	843,4	P	0,01	-0,32	1,2
1383433_at	3417,4	P	0	2884	P	0	-0,32	1,2
1383706_at	6905,2	P	0	5168,7	P	0	-0,32	1,2
1384025_at	4954,4	P	0	4119,1	P	0	-0,32	1,2
1384393_at	976,5	P	0	726,6	P	0	-0,32	1,2
1390639_at	1865	P	0	1509,5	P	0	-0,32	1,2
1393443_a_at	703,5	P	0	548,6	P	0,02	-0,32	1,2
1395726_at	2182,6	P	0	1972,4	P	0	-0,32	1,2
1396349_at	580,4	P	0	593,6	P	0	-0,32	1,2
1367643_at	3634,4	P	0	2682,4	P	0	-0,31	1,2
1371421_at	1584,9	P	0	1235	P	0	-0,31	1,2
1374885_at	581,7	P	0	498	P	0	-0,31	1,2
1379907_at	5944,6	P	0	4395	P	0	-0,31	1,2
1380345_at	2044,3	P	0	1973,2	P	0	-0,31	1,2

1380731_at	1360,2	P	0,01	933,2	P	0,03	-0,31	1,2
1380866_at	3957,7	P	0	3191,1	P	0	-0,31	1,2
1396040_at	4544,4	P	0	3518,8	P	0	-0,31	1,2
1397262_at	1076,6	P	0	934,6	P	0,01	-0,31	1,2
1379318_at	1031,5	P	0	878,8	P	0	-0,3	1,2
1383458_at	1427,2	P	0	959	P	0,01	-0,3	1,2
1383520_at	2115,3	P	0	1261,5	P	0	-0,3	1,2
1391229_at	1213,9	P	0,03	759,7	M	0,06	-0,3	1,2
1391472_at	1764,4	P	0	1599,8	P	0	-0,3	1,2
1393273_at	2955,3	P	0	2551,2	P	0	-0,3	1,2
1397377_at	421,6	P	0,05	369,1	M	0,06	-0,3	1,2
1398616_at	2367,9	P	0	1910,8	P	0	-0,3	1,2
1377602_at	803,1	P	0	643,9	P	0	-0,29	1,2
1377777_at	2020,9	P	0	1600,8	P	0	-0,29	1,2
1379720_at	6168	P	0	4688,3	P	0	-0,29	1,2
1382598_at	1420,6	P	0	1040,3	P	0	-0,29	1,2
1384035_at	2565,3	P	0	1829,6	P	0	-0,29	1,2
1384272_at	3653,7	P	0	2913,6	P	0	-0,28	1,2
1391127_at	4592,3	P	0	3645,3	P	0	-0,28	1,2
1394609_at	1293	P	0	927,4	P	0	-0,28	1,2
1395711_at	1382,3	P	0	1036,2	P	0,01	-0,28	1,2
1398610_at	1708,1	P	0	1300,3	P	0	-0,28	1,2
1377646_at	930,1	P	0	790	P	0,01	-0,27	1,2
1379314_at	1526,6	P	0	1254,2	P	0	-0,27	1,2
1379410_at	1722,6	P	0	1494,6	P	0	-0,27	1,2
1391410_at	2726,4	P	0	2197	P	0	-0,27	1,2
1396701_at	326,3	P	0	229,7	P	0	-0,27	1,2
1377738_a_at	1422,8	P	0	1134,7	P	0	-0,26	1,2
1379656_a_at	322	P	0	257,1	P	0,04	-0,26	1,2
1395819_at	567,6	P	0	522	P	0	-0,26	1,2
1383234_at	2570,3	P	0	2090,3	P	0	-0,25	1,2
1383652_at	1010,5	P	0	984,4	P	0,01	-0,25	1,2
1391840_at	1000,4	P	0,02	832,3	P	0,05	-0,23	1,2



Change	Change p-value	Gene Title	Gene Symbol	GO Biological Process Description	GO Molecular Function Description	GO Cellular Component Description	Pathway
	0	Rat anti-acetylch	---	---	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	RT1 class Ib gen	RT1Aw2	MHC_I;immun	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	transporter 1, AT	Tap1	transport /// ol	nucleotide bind	extracellular	---
	0	lymphocyte cytos	Lcp2	SH2;intracellu	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	complement com	C2	proteolysis an	classical-comp	extracellular	---
	0	RT1 class Ib gen	RT1-N1	MHC_I;immun	---	---	---
	0	complement com	C3	inflammatory	complement ac	extracellular	Compleme
	0	RT1 class Ib gen	RT1Aw2	MHC_I;immun	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	RT1 class Ib gen	RT1Aw2	MHC_I;immun	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	Best5 protein	Best5	---	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	Rattus norvegicu	---	---	---	---	---
	0	myxovirus (influe	Mx1	defense resp	GTPase activit	nucleus	---
	0	coagulation fact	F10	proteolysis an	blood coagulat	extracellular	---
	0	CD74 antigen (in	Cd74	immune resp	chaperone acti	integral to	---
	0	Rattus norvegicu	---	---	---	---	---
	0	Rat anti-acetylch	---	---	---	---	---
	0	schlafen 4	Sln4	---	---	---	---
	0	protein tyrosine p	Ptpnc	protein amino	phosphoprotein	extracellular	---
	0	integrin alpha M	Iltgam	---	---	---	---
	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	endothelial type	Cybb	---	---	---	---
I	0	guanylate binding	Gbp2	---	GBP;GTPase a	---	---
I	0	Rat MHC class II	---	---	---	---	---
I	0	butyrophilin-like	Btnl2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rat mRNA for M	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	palmitoyl-protein	Ppt2	protein modifi	catalytic activit	lysosome	---
I	0	Rat Ig active lam	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	SWI/SNF related	Smarca4	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rat MHC RT1 cl	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	signal transduce	Stat1	---	STAT_prot;tran	---	TGF_Beta
I	0	peptidylprolyl iso	Ppicap	---	SRCR;scaveng	---	---
I	0	MHC class Ib RT	RT1.S3	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	25 oligoadenylat	Oas1	response to v	2'-5'-oligoaden	---	---
I	0	myxovirus (influe	Mx2	defense resp	GTPase activit	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	complement com	C2	proteolysis an	classical-compl	extracellula	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	MHC_I;immu	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	complement com	C1qb	complement a	---	---	Compleme
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	signal transduce	Stat1	---	STAT_prot;tran	---	TGF_Beta
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	chemokine (C-X-	Cxcl10	cell motility ///	cytokine activit	extracellula	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	MHC class Ib RT	RT1.S3	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	MHC_I;immu	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	proteosome (pro	Psmb9	ubiquitin-depe	endopeptidase	proteasom	---
I	0	RT1 class Ib gen	RT1Aw2	MHC_I;immu	---	---	---
I	0	interferon, alpha	Ifi271	---	---	---	---
I	0	MHC class Ib RT	RT1.S3	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Protein kinase, in	Prkr	---	RNA binding //	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Munc13-1	Unc13h1	neurotransmit	---	---	---
I	0	RT1 class Ib gen	RT1Aw2	MHC_I;immu	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	complement com	C2	proteolysis an	classical-comp	extracellula	---
I	0	interferon induce	Ifitm3l	---	---	---	---

I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Annexin III (Lipo	Anx3	---	annexin;calciu	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cathepsin Y	LOC252929	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	protein tyrosine p	Ptpnc	protein amino	phosphoprotein	extracellula	---
I	0	transforming gro	Tgfb1	regulation of	dtransforming g	extracellula	Cell_cycle
I	0	Rattus norvegicus	---	---	---	---	---
I	0	proteasome (pro	Psmb8	ubiquitin-depe	endopeptidase	cytosol ///	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	MHC_I;immu	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	serine (or cystein	Serping1	---	---	---	---
I	0	signal transduce	Stat1	---	STAT_prot;tran	---	TGF_Beta
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	heme oxygenase	Hmox1	phospholipid	heme oxygena	microsome	---
I	0	RT1 class Ib gen	RT1Aw2	---	---	---	---
I	0	macrophage exp	Mpeg1	---	---	---	---
I	0	Metallothionein	Mt1a	zinc ion home	copper ion bind	lysosome /	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	allograft inflam	Aif1	macrophage	a calcium ion bin	---	---
I	0	B-factor, proper	Bf	proteolysis an	complement ac	extracellula	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	tumor stroma an	Dlm1	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	MHC class Ib RT	RT1.S3	---	---	---	---
I	0	RT1 class Ib gene	RT1Aw2	MHC_I;immun	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	Lamp;men	---
I	0	R.norvegicus mF	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	beta-2 microglob	B2m	defense resp	MHC class I re	extracellula	---
I	0	ceruloplasmin	Cp	iron ion home	ferroxidase act	extracellula	---
I	0	lectin, galactose	Lgals3	heterophilic ce	sugar binding /	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	macrophage exp	Mpeg1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	DAMP-1 protein	DAMP-1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	interleukin 13 re	Il13ra1	---	interleukin rece	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	lectin, galactose	Lgals9	ion transport /	sugar binding	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	CD4 antigen	Cd4	defense resp	coreceptor acti	extracellula	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Annexin III (Lipo	Anx3	---	annexin;calciu	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	RT1 class Ib gene	RT1Aw2	MHC_I;immun	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	granulin	Grn	lipid catabolis	phospholipase	extracellula	---
I	0	caspase 11	Casp11	---	caspase activit	---	---
I	0	secreted phosph	Spp1	ossification ///	defense/immun	extracellula	TGF_Beta
I	0	moesin	Msn	---	structural mole	cytoskeletc	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	endothelial type	Cybb	---	Ferric_reduct;c	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	chemokine (C-X)	Cxcl11	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	lectin, galactose	Lgals5	heterophilic ce	sugar binding	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	c-mer proto-onc	Mertk	protein amino	protein kinase	integral to	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	protease (prosor	Psme1	immune resp	proteasome ac	cytosol ///	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	heat shock 27kD	Hspb1	---	---	---	---
I	0	RT1 class Ib gene	RT1Aw2	MHC_I;immun	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	lyn protein non-r	Lyn	protein amino	protein kinase	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	glycoprotein (tra	Gpnmb	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	6-phosphofructo	Pfkfb3	fructose 2,6-b	catalytic activit	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	low affinity immu	Fcgr2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	neutrophil cytos	Ncf1	PX;intracellula	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	lysosomal-assoc	Laptn5	---	---	lysosome /	---
I	0	RT1 class Ib gen	RT1Aw2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	nuclear receptor	Ncoa6	---	ligand-depende	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	CD37 antigen	Cd37	---	---	plasma me	---
I	0	hypertrophic agona	harpB64	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	epididymal secre	ere1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	CCAAT/enhance	Cebpb	regulation of t	DNA binding //	nucleus ///	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	opioid receptor-li	Oprl	G-protein cou	rhodopsin-like	integral to	GPCRs_C
I	0	transcription fact	Usf2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	protein tyrosine p	Ptprd	transmembran	protein-tyrosine	plasma me	---
I	0	tropomyosin isof	LOC286890	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	signal transduce	Stat3	regulation of t	DNA binding //	nucleus ///	TGF_Beta
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	adenosine deam	Adar	RNA processi	RNA binding //	intracellula	---
I	0	parkin	Park2	protein modifi	cysteine-type e	intracellula	---

	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	vasopressin-activating transmembrane protein 5	Cul5	Cullin;cell cycle	vasopressin ac	---	---
	0	caspase 1	Casp1	proteolysis and	caspase activity	intracellular	---
	0	activating transcription factor 5	Atf5	---	bZIP;DNA binding	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	---	---	---	---	---	---
	0	SHC (Src homology domain containing)	Shc1	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	lysosomal-associated membrane protein 5	Laptm5	---	---	lysosome /	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Fibroblast growth factor receptor 1	Fgfr1	protein amino acid	protein kinase	integral to	---
	0	CD53 antigen	Cd53	---	---	plasma membrane	---
	0	peptide/histidine phosphatase 2	Pht2	protein catabolism	proton-dependent	lysosomal	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	beta-2 microglobulin	B2m	defense response	MHC class I related	extracellular	---
	0	NF-E2-related factor 2	Nfe2l2	regulation of transcription	DNA binding	nucleus	---
	0	MAD homolog 7	Madh7	regulation of transcription	---	intracellular	TGF_Beta
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	---	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	---	---	---	---	---	---
	0	aquaporin 4	Aqp4	transport // with	transporter activity	mitochondrial	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	fibrinogen-like 2	Fgl2	---	---	---	Blood_Clotting
	0	Rattus norvegicus	---	---	---	---	---
	0	myosin, heavy polypeptide 9	Myh9	---	motor activity //	kinesin core	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	CD44 antigen	Cd44	ureteric bud bud	receptor activity	plasma membrane	---
I	0	SH3 domain protein	Sh3d2a	---	---	---	---
I	0	guanine nucleotide	Gna12	signal transduction	G-protein-coupled	heterotrimeric	G_Protein
I	0	bassoon	Bsn	electron transport	electron transport	peripheral	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	TOR1D	TOR1D	---	---	---	---
I	0	neurologin 2	Nlgn2	cell adhesion	catalytic activity	membrane	---
I	0	moesin	Msn	---	structural molecule	cytoskeleton	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	Acyltransferase	---	---
MI	0	ERO1-like (S. cerevisiae)	Ero1l	---	---	---	---
I	0	solute carrier family	Slc35b2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	pyroglutaminase	PAPI	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	reversion inducer	Ril	intracellular signaling	---	---	---
I	0	CCAAT/enhancer binding	Cebpd	regulation of transcription	DNA binding //	nucleus	---
I	0	bone morphogenetic	Bmpr1a	---	Activin_receptor	transmembrane	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	hemopoietic cell	Hck	protein amino acid	protein kinase	---	---
I	0	protein phosphatase	Ppp2r2c	signal transduction	protein phosphatase	protein phosphatase	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	myeloid cell leuk	Mcl1	---	Bcl-2;apoptosis	---	---
I	0	benzodiazepin re	Bzrp	---	receptor activit	extracellula	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	interferon regula	Irf1	regulation of t	DNA binding //	nucleus	---
I	0	---	---	---	---	---	---
I	0	dystroglycan 1	Dag1	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	CD48 antigen	Cd48	---	---	extrinsic to	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	RAS guanyl rele	Rasgrp1	intracellular sig	guanyl-nucleot	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	adenylate cyclas	Adcyap1r1	G-protein cou	G-protein coup	extracellula	GPCRs_C
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	CD86 antigen	Cd86	T-cell prolifera	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	fibrinogen-like 2	Fgl2	---	---	---	Blood_Clo
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	androgen recept	Cbl27	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	UDP glycosyltran	Ugt1a6	---	glucuronosyltra	---	Androgen
I	0	Rattus norvegicu	---	---	---	---	---
I	0	BMP/retinoic aci	LOC140610	---	---	---	---
I	0	tumor necrosis fa	Tnfrsf1a	apoptosis /// s	receptor activit	integral to	Apoptosis
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	suppression of tu	St14	proteolysis an	serine-type per	extrinsic to	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rbs11 protein	Rbs11	---	G-protein coup	---	GPCRs_C
I	0	src family associ	Scap2	---	---	---	---
I	0	major histocomp	Hla-dmb	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	adenylate cyclas	Adcyap1r1	G-protein cou	G-protein coup	extracellula	GPCRs_C
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	v-ral simian leuk	Rala	small GTPases	small monome	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	NAC-1 protein	Nac-1	induction of a	BTB;protein bir	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	solute carrier fan	Slc21a9	---	OATP_C;trans	---	---
I	0	adenyl cyclase	Adcy4	cAMP biosynt	magnesium ion	integral to	G_Protein
I	0	transforming gro	Tgfr1	protein amino	protein kinase	membrane	TGF_Beta
I	0	monokine induce	Mig	---	IL8;chemokine	---	---
I	0	tudor repeat ass	Pctaire2bp	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	neurofibromatosi	Nf2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	protease, cystein	Prsc1	---	3.4.22.34;legu	---	---
I	0	---	---	---	---	---	---
I	0	discoidin domain	Ddr1	protein amino	protein kinase	extracellula	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cytochrome b558	Cyba	electron trans	oxidoreductase	membrane	---
I	0	CCAAT/enhance	Cebpg	regulation of t	DNA binding //	nucleus	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	complement com	Cfh	---	---	---	---
I	0	exostoses (multi	Extl3	cell growth an	transferase act	endoplasm	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	ABC_tran;ATP	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Trif gene	Trif-pending	---	---	---	---
I	0	adipose different	ADRP	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	baculoviral IAP r	Birc4	anti-apoptosis	apoptosis inhib	---	Apoptosis
I	0	DNA-damage ind	Ddit3	regulation of t	DNA binding	nucleus	---
I	0	calcium/calmodu	Cask	protein amino	protein kinase	cytosol /// r	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	glial fibrillary acid	Gfap	---	structural cons	kinesin cor	---
I	0	RT1 class Ib gen	RT1Aw2	MHC_I;immu	---	---	---
I	0	ubiquitin-conjuga	Ube2d2	protein modifi	ubiquitin conjuc	---	---
I	0	Rattus norvegicus	---	---	---	---	---

	0	Rat mRNA	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	---	---	---	---	---	---
	0	---	---	---	---	---	---
	0	glutamate cysteine	Gclm	glutathione bi	glutamate-cyst	---	Glutamate
	0	guanine nucleoti	Gna15	signal transdu	signal transduc	---	G_Protein
	0	calcium/calmodu	CaMKPase	---	PP2C;catalytic	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	---	---	---	kinesin;motor a	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	choline transport	CHOT1	creatine trans	creatine transp	---	---
	0	syndecan 3	Sdc3	cell adhesion	cell adhesion m	membrane	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	potassium voltage	Kcnab2	ion transport	ion channel ac	cytoplasm	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	synaptogyrin 2	Syngr2	---	---	membrane	---
I	0	vesicle-associated	Vamp8	---	---	---	---
I	0	R.norvegicus mF	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	adenylyl cyclase	Adcy6	cAMP biosynt	magnesium ion	plasma me	G_Protein
MI	0	afadin	Af6	RA;neuropept	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	vascular cell adh	Vcam1	cell adhesion	cell adhesion	extracellula	---
I	0	tyrosine protein	Src	---	protein-tyrosine	---	---
I	0	homeodomain-in	Hipk3	---	pkinese;proteir	---	---
I	0	phosphatidylinos	Pip5k2b	---	1-phosphatidyl	---	---
I	0	thyrotroph embry	Tef	regulation of t	DNA binding	nucleus	---
I	0	sterol regulatory	Sreb1	regulation of t	DNA binding //	nucleus ///	---
I	0	Rattus norvegicus	---	---	TIMP;metalloe	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	cytochrome P45	Cyp27	p450;electron	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	vimentin	Vim	---	---	kinesin cor	---
I	0	G protein-couple	Gpr51	G-protein cou	G-protein coup	kinesin cor	---
I	0	cyclin-dependent	Cdk5r	---	CDK5_activatc	---	---

	0	huntingtin-associated	Hapip	intracellular signaling	guanyl-nucleotides	---	---
	0	Rattus norvegicus	---	---	BTB;protein binding	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	---	---	---	---	---	---
	0	tissue inhibitor of metalloproteinases	Timp3	---	metalloendopeptidase	extracellular matrix	Matrix_Me
	0	Bcl-2 protein	Bcl2l2	---	apoptosis inhibitor	---	---
	0	inositol 1,4,5-trisphosphate	Itpkb	---	calmodulin binding	---	---
	0	ribonucleoprotein	Hnrpf	---	rrm;nucleic acid binding	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	ABC_tran;ATP binding	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	syntaxin binding protein	Stxbp5	---	---	---	---
	0	neurofascin	Nfasc	---	calcium-dependent	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	3-phosphoglycerate kinase	Phgdh	L-serine biosynthesis	phosphoglycerate	---	---
	0	arrestin, beta 1	Arrb1	signal transduction	protein binding	intracellular	---
	0	ischemia related protein	Nyw1	---	---	---	---
	0	oxygen regulated protein	Orp150	response to hypoxia	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	glucosidase, alpha	Gaa	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	endothelin receptor	Ednrb	regulation of phototransduction	rhodopsin-like	extracellular	GPCRs_C
	0	toll-like receptor	Tlr4	innate immunity	receptor activity	integral to	---
	0	sterol regulatory element binding protein	Srebf1	regulation of transcription	DNA binding ///	nucleus ///	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	Rattus norvegicus	---	---	---	---	---
	0	vesicle associated protein	VAP1	---	---	endosome	---
	0	adenosine A1 receptor	Adora1	G-protein coupled	rhodopsin-like	plasma membrane	GPCRs_O

I	0	Rat mRNA	---	---	---	---	---
I	0	sortilin 1	Sort1	intracellular p	receptor activit	membrane	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	fibrinogen-like 2	Fgl2	---	---	---	Blood_Clo
I	0	seven in absentia	Siah1a	Sina;ubiquitin	---	---	---
I	0	CD44 antigen	Cd44	ureteric bud b	receptor activit	plasma me	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Fc receptor, IgG	Fcgr3	cell-mediated	receptor activit	integral to	---
I	0	syndecan 3	Sdc3	cell adhesion	cell adhesion n	membrane	---
I	0	transforming gro	Tgfr2	protein amino	protein kinase	membrane	TGF_Beta
I	0	---	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	mitogen activate	Mapk4	protein amino	protein kinase	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	protocadherin ga	Pcdhgc3	spermatogene	cell adhesion n	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	phospholipase A	Pla2g4a	proteolysis an	subtilase activi	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	interleukin 2 rece	Il2rg	---	interleukin rece	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	FXYD domain-co	Fxyd5	ion transport	ion channel ac	membrane	---
I	0	Williams-Beuren	Wbscr14	---	---	---	---
I	0	glycogen syntha	Gsk3b	protein amino	protein kinase	---	Cell_cycle
I	0	fibroblast growth	Fgfr2	protein amino	protein kinase	extracellula	---
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	low Mr GTP-binding	ram	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	eukaryotic elong	Eef2k	protein amino	translation elon	---	Translation
I	0	V-1 protein	Gcdp	---	---	---	---
I	0	profilin	Pfn1	cytoskeleton	actin binding	cytoskeleton	G13_Signa
I	0	alpha-2-macroglob	A2m	acute-phase	rendopeptidase	extracellular	---
I	0	adhesion regulat	Adrm1	---	---	---	---
I	0	transmembrane	Unc5h1	axon guidance	netrin receptor	---	---
I	0	procollagen, type	Col1a2	---	extracellular m	extracellular	Inflammat
I	0	calcium channel,	Cacnb4	calcium ion tra	voltage-gated	voltage-ga	---
I	0	integrin, alpha 6	Iltga6	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	src-like adaptor	Sla	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cathepsin S	Ctss	proteolysis an	cysteine-type	elysosome	---
I	0	pre-B-cell colony	Pbef	cell cycle	---	nucleus ///	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	interferon gamma	Igfbp	---	---	---	---
I	0	glutamate decarbox	Gad2	amino acid m	glutamate deca	---	---
I	0	Fta3 protein	Fat3	---	cadherin;calciu	---	---
I	0	SH3 domain prot	Sh3d2a	---	---	---	---
I	0	FLN29 gene prod	Fln29	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	membralin	LOC299608	---	---	---	---
I	0	zinc finger protein	Zfp161	---	BTB;protein bi	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	protease (prosom	Psme2	immune resp	proteasome ac	cytosol ///	---
I	0	liver glycogen ph	Pygl	carbohydrate	catalytic activit	---	---
I	0	vav 1 oncogene	Vav1	intracellular sig	uanyl-nucleot	---	---
I	0	arachidonate 5-li	Alox5ap	leukotriene m	enzyme activat	integral to	Eicosanoic
I	0	glycerol-3-phosp	Gpm	metabolism //	glycerol-3-phos	mitochond	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	NonO/p54nrb ho	LOC252855	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	nuclear factor I/E	Nfib	DNA replicatio	DNA binding //	intracellula	---
I	0	rapostlin	Rnd2	neurogenesis	Rho small mon	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	hepatoma-derive	Hdgfrp3	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	solute carrier fan	Slc17a7	---	sugar_tr;transp	---	---
I	0	interleukin 18	Il18	angiogenesis	cytokine activit	extracellula	---
I	0	ATPase, Ca++ tr	Atp2b4	cation transpo	magnesium ion	integral to	---
I	0	protein S	Pros1	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	alpha 1,3-fucosyl	Fut4	protein amino	fucosyltransferase	Golgi apparatus	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	kinesin family member	Kif3a	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	v-maf musculoaponeurosis	Maf	regulation of transcription	DNA binding	nucleus	---
I	0	crystallin, alpha C	Cryac	---	---	---	---
I	0	RAB13	Rab13	intracellular protein	small monomeric GTPase	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	insulin induced gene	Insig2	---	transcription factor	endoplasmic reticulum	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	p21 (CDKN1A)-associated	Pak2	protein amino	protein kinase	---	---
I	0	uncoupling protein	Ucp2	transport // mitochondrial	binding	mitochondrion	Electron Transport
I	0	arginine-glutamic acid	Rere	---	---	---	---
I	0	calpastatin	Cast	protein catabolism	cysteine protease	---	---
I	0	small inducible cytokine	Scya4	---	IL8;chemokine	---	---
I	0	nuclear factor kappa B	Nfkb1	regulation of transcription	DNA binding //	nucleus //	Apoptosis
I	0	secretory carrier	Scamp2	transport // intracellular	protein transport	membrane	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	asparagine synthetase	Asns	asparagine biosynthesis	asparagine synthetase	---	Alanine-Aspartate
I	0	Notch gene homolog	Notch1	regulation of transcription	DNA binding //	extracellular matrix	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	adaptor protein	Aps	regulation of transcription	---	---	---

I	0	rabphilin 3A	Rph3a	transport /// in	transporter act	synaptic ve	---
I	0	glutathione redu	Gsr	---	pyr_redox;disu	---	---
I	0	synaptotagmin 7	Syt7	transport	transporter act	synaptic ve	---
I	0	nuclear receptor	Nr1d1	regulation of t	DNA binding ///	nucleus	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	MAP2 RNA trans	Marta1	nucleocytopl	mRNA 3' UTR	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	SWI/SNF related	Smarca4	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	microtubule-ass	Mapt	microtubule-b	---	cytoskelet	---
I	0	ATPase, Ca++ tr	Atp2b2	cation transp	magnesium ion	plasma me	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	solute carrier fan	Slc7a3	transport /// a	amino acid-pol	integral to	---
I	0	TGF-beta resista	Trag	---	---	---	---
I	0	activity-depende	Adnp	---	---	---	---
I	0	nuclear receptor	Mrga10	---	7tm_1;rhodops	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	D site albumin pr	Dbp	regulation of t	DNA binding	nucleus	---
I	0	similar to manno	MGC72561	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	tubby homolog (Tub	---	---	---	---	---
I	0	neurolysin (metal	Nln	proteolysis an	metalloendope	mitochond	---
I	0	coronin, actin bir	Coro1a	---	---	---	---
I	0	nuclear receptor	Nr1d2	regulation of t	DNA binding //	nucleus	Nuclear_R
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	pincher	Ehd4	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	adenosine deam	Adar	RNA processi	RNA binding //	intracellula	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	aquaporin 4	Aqp4	transport /// w	transporter act	mitochond	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	spastic parapleg	Spg7	---	AAA;ATP bindi	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	nucleophosmin 1	Npm1	---	nucleic acid bir	nucleus ///	---
I	0	serine/threonine	Stk10	---	---	---	---
I	0	CTD-binding SR	LOC56081	---	---	---	---
I	0	dopamine recept	Drd1a	G-protein cou	rhodopsin-like	membrane	GPCRs_O
I	0	calcium-independ	Cir13	---	Gal_Lectin;sug	---	---
I	0	PAK-interacting	Pak3bp	---	---	---	---
I	0	PSD-95/SAP90-	DAP-3	GKAP;cell-ce	---	---	---

I	0	voltage-depende	Cacng4	ion transport	ion channel ac	voltage-ga	Calcium_C
I	0	Rattus norvegicu	---	---	---	---	---
I	0	N-myristoyltrans	Nmt1	---	2.3.1.97;glycyl	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	---	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	nucleolar phosph	Nopp140	regulation of p	---	---	---
I	0	vascular endothe	Vegf	angiogenesis	vascular endot	---	---
I	0	epidermal Lange	LOC286990	---	HMG_box;DNA	---	---
I	0	microtubule-assc	Mtap6	microtubule-b	structural mole	microtubul	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	annexin 1	Anxa1	cell cycle /// si	calcium ion bin	---	---
I	0	leucyl-specific ar	Appils	---	Peptidase_M1	---	---
I	0	sodium-coupled	SVCT2	---	transporter act	integral to	---
I	0	interferon gamm	lfngr	---	---	---	---
I	0	fibroblast growth	Fgfr2	protein amino	protein kinase	extracellula	---
I	0	ADP-ribosylation	Arfd1	small GTPase	small monome	intracellula	---
I	0	SNF related kina	Snrk	protein amino	protein kinase	---	---
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	LYRIC	Lyric	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	transducin-like e	Tle4	regulation of t	transcription co	nucleus	---
I	0	a disintegrin and	Adam10	proteolysis an	metalloendope	integral to	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	microsomal gluta	Mgst1	---	glutathione tra	mitochond	---
I	0	nuclear receptor	Nr1d2	regulation of t	DNA binding //	nucleus	Nuclear_R
I	0	glycine receptor,	Gla2	transport /// io	receptor activit	membrane	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	programmed cell	Pdcd4	---	---	---	---
I	0	nuclear factor I/E	Nfib	DNA replicatio	DNA binding //	intracellular	---
I	0	Smad5	Madh5	regulation of c	---	---	TGF_Beta
MI	0,01	histone deacetyl	Hdac5	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	peroxisomal prot	LOC260327	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	v-akt murine thyr	Akt1	protein amino	protein kinase	---	S1P_Signa
I	0	mitogen activate	Map3k1	protein amino	protein kinase	---	Apoptosis
I	0	fibroblast growth	Fgfr3	---	growth factor a	---	---
I	0	protein tyrosine p	Ptpns1	cell motility ///	protein binding	extracellular	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	calponin 3, acidic	Cnn3	---	actin binding //	---	---
I	0	---	---	PDZ;intracellu	---	---	---

I	0	sperm membrane	LOC64312	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	solute carrier family 22 member 3	Slc2a3	transport // cat	transporter activity	extracellular	---
I	0	G protein-coupled receptor class B member 6	Gprk6	protein amino acid	protein kinase activity	---	---
I	0	cytochrome P450 2c10	Loc266761	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	myosin Va	Myo5a	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	homocysteine-inducible protein 1	Herpud1	---	---	---	---
I	0	protein tyrosine phosphatase, transmembrane type 1	Ptprd	transmembrane	protein-tyrosine phosphatase activity	plasma membrane	---
MI	0,01	ras inhibitor 1	Rin1	endocytosis // GTPase	activation	cytoskeleton	---
I	0	neurologin 3	Nlgn3	cell adhesion	catalytic activity	membrane	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cadherin 2	Cdh2	synaptogenesis	cadherin;calcium	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	CD63 antigen	Cd63	---	---	lysosome /	---
I	0	chloride channel	Clcn7	ion transport /	ion channel activity	membrane	---
I	0	implantation-associated protein 2	IAG2	---	---	---	---
I	0	superoxide dismutase 2	Sod2	superoxide metabolism	superoxide dismutase activity	mitochondrion	---
I	0	tudor repeat associated domain containing 2	Pctaire2bp	---	---	---	---

I	0	E74-like factor 1	Elf1	---	Ets;transcriptio	---	---
I	0	Rattus norvegicus	---	---	3.6.1.5;apyrase	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	myeloid different	Myd88	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	ribonuclease L (2	Rnase1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	tissue inhibitor of	Timp2	---	enzyme activat	extracellula	Matrix_Me
I	0	thymoma viral pr	Akt3	protein amino	protein kinase	---	S1P_Signa
I	0	LIM and SH3 pro	Lasp1	---	---	---	---
I	0	dynamamin 1-like	Dnm1l	---	dynamamin;GTP	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	PDIP1	LOC293497	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	aquaporin 9	Aqp9	transport /// w	transporter act	mitochond	---
I	0	dipeptidylpeptid	Dpp6	proteolysis an	catalytic activit	membrane	---
I	0	RNA binding pro	Hnrpd	---	rrm;nucleic aci	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	glutaminase	Gls	glutamine me	glutaminase ac	mitochond	---
I	0	kinesin family me	Kif3c	microtubule-b	motor activity //	kinesin cor	---
I	0	spectrin beta 2	Spnb2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	integrin, alpha 6	Itga6	---	---	---	---
I	0	neural precursor	Nedd4a	protein modifi	ubiquitin-protei	ubiquitin lig	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	WW domain binding protein 4	Wbp4	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	caspase-7	Casp7	---	caspase activation	---	Apoptosis
I	0	cut (Drosophila)	Cutl1	regulation of transcription	DNA binding // nucleus //	---	---
I	0	myeloid cell leukemia 1	Mcl1	---	Bcl-2;apoptosis	---	---
I	0	small zinc finger protein 2	Ddp2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	nuclear receptor coactivator 3	Ncoa3	regulation of transcription	histone acetylation	nucleus	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	5 nucleotidase	Nt5	nucleotide catabolism	5'-nucleotidase	extracellular	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	low Mr GTP-binding protein	ram	---	ras;small monomeric GTPase	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	pancreatic and duodenal homology 1	Pdx1	regulation of transcription	DNA binding // nucleus //	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	actin-related protein 3	Actr3	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	proteasome (prosome)	Psma3	ubiquitin-dependent proteolysis	endopeptidase	cytosol // nucleus	Proteasome
I	0	Janus kinase 2	Jak2	protein amino acid phosphorylation	protein kinase	cytoplasm	---
I	0	integrin-associated protein 4	Cd47	cell migration	---	---	---
I	0	calcitonin receptor-like receptor 1	Calcr1	G-protein coupled receptor activity	receptor activity	extracellular	GPCRs_C
I	0	apoptotic death domain 1	Bid	---	apoptosis activation	---	Apoptosis
I	0	cytochrome b5, domain 5	comb5	---	electron transport	---	---
MI	0,01	deoxyribonuclease 2	Dnase2	---	endodeoxyribonuclease	---	---

I	0	Rattus norvegicus	---	---	ferritin;binding;	---	---
I	0	guanine nucleoti	Gnb1	signal transdu	heterotrimeric	heterotrimeric	G_Protein
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	guanine nucleoti	Gnaz	signal transdu	signal transduc	membrane	G_Protein
MI	0	RT1 class Ib gen	RT1-M3	defense resp	---	extracellula	---
I	0	Down syndrome	Dscr1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	activin type I rec	Acvr1	protein amino	protein kinase	membrane	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	telomerase asso	Tep1	---	---	---	---
I	0	pyrimidinergic re	P2ry6	G-protein cou	rhodopsin-like	integral to	---
I	0	RATF2	Atf2	regulation of t	DNA binding	nucleus	---
I	0	ornithine decarb	Odc1	polyamine bio	catalytic activit	---	---
I	0	heterogeneous r	Hnrpab	negative regul	DNA binding //	---	---
I	0	---	---	---	---	---	---
I	0	Unknown (protei	MGC72598	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Inhibitor of DNA	Id3	---	---	nucleus	---
I	0	zinc finger protei	Zfp36	---	nucleic acid bir	nucleus	---
I	0	serine/threonine	LOC286993	---	pkinase;proteir	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	zf-C4;transcrip	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	5-oxoprolinase (Oplah	---	---	catalytic activit	---	---
I	0	basic helix-loop-hel	Bhlhb3	regulation of t	DNA binding	nucleus	---
MI	0	YME1 (S.cerevisiae)	Yme111	---	AAA;ATP bindi	---	---
I	0	bone morphogenetic	Bmpr1a	---	Activin_recpt	---	---
I	0	beta-site APP cleaving	Bace	proteolysis an	aspartic-type e	integral to	---
I	0	synapsin 2	Syn2	neurotransmit	---	synaptic ve	---
MI	0,01	phosphatidylinositol	Pik3r3	SH2;intracellu	---	---	---
I	0	synaptic vesicle	Sv2b	neurotransmit	transporter act	synaptic ve	---
I	0	meningioma expressed	Mgea5	---	---	---	---
I	0	dual-specificity tyrosine	Dyrk1a	protein amino	protein kinase	nucleus	---
I	0	ATP-binding cassette	Abcc1	transport	nucleotide bind	membrane	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	scaffolding protein	Slpr	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	membrane protein	Mpp3	---	---	---	---
I	0	Wiskott-Aldrich syndrome	Waspip	---	---	---	---
I	0	nim3 protein	Nim3	---	---	---	---

I	0	eukaryotic initiation	Eif5	protein biosynthesis	translation initiation	---	Translation
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	B-cell translocation	Btg1	---	---	---	---
I	0	glutathione S-transferase	Gsta1	glutathione metabolism	glutathione transferase	---	---
I	0	slit homolog 1 (Drosophila)	Slit1	---	---	---	---
I	0	RAS guanyl nucleotide exchange factor	Rasgrp1	intracellular signaling	guanyl-nucleotide exchange factor	---	---
I	0	pleckstrin homology domain	Pscd1	---	---	kinesin coregulation	---
I	0	l-glycerin	Mcam	---	---	---	---
I	0	myeloid differentiation factor 116	Myd116	---	---	---	---
I	0	neuropilin	Nrp	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	N-myristoyltransferase	Nmt1	---	2.3.1.97;glycyltransferase	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cold inducible RNA binding protein	Cirbp	response to cold	nucleic acid binding	nucleus	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	eukaryotic translation initiation factor 4B	Eif4ebp1	---	---	---	---
I	0	G protein gamma subunit	Gng5	signal transduction	heterotrimeric G protein	(heterotrimeric G protein)	G_Protein
I	0	acetyl-coenzyme A acetyltransferase	Acac	---	6.4.1.2;acetyl-CoA acetyltransferase	---	Fatty_Acid
I	0	neural visinin-like protein-2	NVP-2	---	effhand;calcium binding	---	---
I	0	lamina-associated protein 1c	Lap1c	---	lamin binding	nuclear membrane	---

I	0	amiloride-sensitive	Accn2	ion transport	ion channel ac	membrane	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0	kinesin family me	Kif1b	microtubule-b	motor activity /	mitochond	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
MI	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0	solute carrier fan	Slc3a2	---	alpha-amylase	---	---
I	0	phosphofructokin	Pfkl	glycolysis	magnesium ion	6-phospho	Glycolysis
MI	0,01	transcription elon	Tceb3	transcription /	---	nucleus	---
I	0	phosphatidylinos	Picalm	---	---	---	---
I	0	phosphoribosyl p	Ppat	purine nucleo	magnesium ion	---	Glutamate
I	0	homer, neuronal	Homer3	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
MI	0	RAB12, member	Rab12	intracellular p	small monome	intracellula	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		---	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0		Rattus norvegicus	---	---	---	---
I	0	ATP-binding cas	Abcg1	cholesterol tra	ABC_tran;ATP	---	---
I	0	lyn protein non-r	Lyn	protein amino	protein kinase	---	---
I	0	murine thymoma	Akt2	regulation of	protein kinase	intracellula	S1P_Signa
I	0	adrenergic recep	Adrbk1	protein amino	protein kinase	---	---
I	0	RAP1B, member	Rap1b	---	ras;small mon	---	---

I	0	potassium voltage	Kcna6	transport /// ion channel ac	integral to	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	implantation-ass	IAG2	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	discs, large hom	Dlgh1	PDZ;intracellu	protein binding	basolatera
I	0	UDP-glucose gly	Uggt	---	UDP-glucose:g	---
I	0	solute carrier fan	Slc38a1	---	Aa_trans;amin	---
MI	0	Bcl2-like 1	Bcl2l1	apoptosis /// a	protein binding	integral to Apoptosis
I	0	phospholipase D	Pld1	intracellular si	catalytic activit	endoplasm
I	0	Kv channel-inter	Kcni2	---	calcium ion bin	---
MI	0,01	smooth muscle a	Acta2	---	---	---
I	0	calcium channel,	Cacna1b	---	ion_trans;ion c	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	sphingosine-1-ph	Spg1	---	pyridoxal_deC	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	dynactin 4	Dctn4	---	---	---
I	0	integrin beta 1	Itgb1	cell adhesion	receptor activit	integrin co
I	0	signal transduce	Stat5b	regulation of t	DNA binding ///	nucleus ///
I	0	Rattus norvegicus	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	solute carrier fam	Slc4a2	transport /// io	carrier activity	integral to	---
I	0	annexin A7	Anxa7	---	---	---	---
I	0	phospholipase A	Pla2	---	---	---	---
I	0	basic helix-loop-	Bhlhb2	regulation of t	DNA binding //	nucleus	---
I	0	ADP-ribosyltrans	Adprt	protein amino	DNA binding //	intracellular	Apoptosis
I	0	adducin 1, alpha	Add1	ion transport	structural mole	cytoskeleton	---
MI	0,01	myosin IE	Myo1e	cytoskeleton	motor activity //	cytoskeleton	---
I	0	glutamate recept	Grin1a	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	osteoclast stimul	Ostf1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	lectin_c;sugar	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Kruppel-like fact	Klf15	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Unknown (protei	MGC72638	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	notch gene hom	Notch2	cell fate deter	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	GTP-binding pro	Gnai2	signal transdu	signal transduc	---	G_Protein
I	0	eps8 binding pro	Abi1	---	---	---	---
I	0	sulfatase FP	LOC171396	---	3.1.6.14;N-ace	---	---
I	0	homolog of yeas	Npl4	---	---	---	---
I	0	Ser-Thr protein k	Pk428	cytoskeleton	protein serine/t	---	---
I	0	MAD homolog 1	Madh1	regulation of t	---	intracellular	TGF_Beta
I	0	putative chloride	Clcn4-2	---	voltage_CLC;v	---	---
I	0	poly(A) binding p	Pabpc1	---	mRNA binding	---	---
I	0	phospholipase D	Pld1	intracellular si	catalytic activit	endoplasm	---
I	0	glutamate decar	Gad1	amino acid m	glutamate deca	---	Alanine-As
I	0	villin 2	Vil2	---	structural mole	cytoskeletc	---
I	0	pyruvate dehydr	Pdhal	---	1.2.4.1;pyruvat	---	Acetylchol
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	SEC61, alpha su	Sec61a	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	ADP-ribosylation	Arf3	intracellular p	GTPase activit	Golgi appa	---
I	0	histamine recept	Hrh3	---	7tm_1;rhodops	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	ATP-binding cas	Abca1	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	solute carrier fan	Slc21a9	---	OATP_C;trans	---	---
I	0	cation-chloride c	Ccc6	aa_permease	---	---	---
I	0	chondroitin sulfa	Cspg5	---	---	---	---
MI	0,01	retinal pigment e	Rpe65	---	---	---	---
I	0	A kinase (PRKA)	Akap1	---	nucleic acid bin	mitochond	---
I	0	fyn proto-oncoge	Fyn	---	protein-tyrosine	---	---
I	0	geranylgeranyltra	Pggt1b	---	catalytic activit	---	---
I	0	LYRIC	Lyric	---	---	---	---
I	0	syntaxin binding	Stxbp1	intracellular p	protein binding	---	---
MI	0,01	casein kinase 1,	Csnk1d	protein amino	protein kinase	---	---
I	0	serine (or cystein	Serpinh1	---	chaperone acti	endoplasm	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	amyloid beta (A4	App	endocytosis //	serine-type end	coated pit	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	synaptopodin	Synpo	---	---	---	---
I	0	RP58 protein	Rp58	---	BTB;protein bin	---	---
I	0	phosphodiestera	Pde1b	---	cyclic-nucleotic	---	G_Protein
I	0	exportin 1 (CRM	Xpo1	---	IBN_NT;protein	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	guanine deaminase	Gda	---	guanine deami	---	---
I	0	solute carrier family 13	Slc1a3	transport /// di	sodium:dicarbo	membrane	---
MI	0,01	low density lipoprotein receptor	Lrpap1	---	heparin binding	---	---
I	0	guanine nucleotide binding protein (Gq class)	Gng10	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	splicing factor 3b1	Sf3b1	---	---	---	---
I	0	nuclear receptor corepressor 3	Ncoa3	regulation of th	histone acetyl	nucleus	---
I	0	---	---	---	---	---	---
I	0	protein kinase, cAMP-dependent type II	Prkar2a	protein amino	cAMP-depende	cAMP-dep	G_Protein
I	0	CD36 antigen (class B scavenger receptor)	Cd36l2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	dihydropyrimidinase	Crmp4	neurogenesis	hydrolase activ	---	---
I	0	tropomyosin isoform 1	LOC286890	---	---	---	---
I	0	tumor protein p53	Tp53	protein-nucle	DNA binding ///	nucleus ///	Apoptosis
I	0	syndecan 1	Sdc1	---	cytoskeletal pr	membrane	---
I	0	phosphodiesterase 4B	Pde4b	---	cAMP-specific	cytosol	---
I	0	adenosine A3 receptor	Adora3	G-protein cou	rhodopsin-like	integral to	GPCRs_C
I	0	CD24 antigen	Cd24	defense resp	---	extracellula	---
I	0	cortactin isoform 1	Cctnb	---	---	---	---
MI	0	---	---	---	---	---	---
I	0	nucleoporin p58	p58/p45	---	---	---	---
I	0	microtubule-associated protein 1B	Map1b	microtubule-b	actin binding	microtubul	---
I	0	ion transporter protein	Nritp	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Fibroblast growth factor receptor 1	Fgfr1	protein amino	protein kinase	integral to	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rat mRNA	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Janus kinase 1	Jak1	protein amino	protein kinase	cytoskeleton	---
I	0	activin type I receptor	Acvr1	protein amino	protein kinase	membrane	---
I	0	thioredoxin reductase	Txnrd1	electron trans	thioredoxin-dis	cytoplasm	---
I	0	N-acetyltransferase	Nat1	metabolism	arylamine N-ac	---	---
I	0	kilon	LOC59318	---	---	---	---
I	0	component of ribosome	LOC60627	---	---	---	---
I	0	gamma-aminobutyric acid receptor	Gabbr1	---	metabotropic g	---	GPCRs_C
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	tight junction protein	Tjp1	---	---	---	---
I	0	casein kinase 1, delta	Csnk1d	protein amino	protein kinase	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	ceroid-lipofuscinosis	Cln2	---	serine-type end	lysosome	---
I	0	solute carrier family 3	Slc3a1	carbohydrate	alpha-amylase	integral to	---
I	0	cAMP-regulated phosphodiesterase	Epac	DEP;intracellu	---	---	---
I	0	casein kinase 1, gamma	Csnk1g3	protein amino	protein kinase	---	---

I	0	protein kinase in	Pkia	negative regul	protein kinase	---	---
I	0	avian sarcoma v	Crko	SH2;intracellu	---	---	---
I	0	neurotrophic tyro	Ntrk2	protein amino	protein kinase	cytosol ///	---
MI	0,01	G-protein-couple	Gig2	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	single-stranded l	Ssbp1	DNA replicatio	DNA binding	mitochond	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	neural visinin-like	NVP-2	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	IGFBP;insulin-	---	---
I	0	activity and neur	Ania4	---	---	---	---
I	0	dopamine respon	LOC171057	---	---	---	---
I	0	V-1 protein	Gcdp	---	---	---	---
I	0	ring finger protei	Rnf4	regulation of t	---	nucleus	---
I	0	protein kinase C,	Pkcl	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	coronin, actin-bir	Coro1b	---	actin binding	kinesin cor	---

I	0	calcium binding p	S100a6	---	S_100;calcium	---	---
I	0	dipeptidylpeptida	Dpp7	---	serine-type enc	---	---
I	0	linker of T-cell re	Lnk	intracellular si	---	---	---
I	0	CD38 antigen	Cd38	---	NAD+ nucleos	integral to	---
I	0	phosphatidylinos	Pi4KII	---	PI3_PI4_kinas	---	---
I	0	DNA topoisomer	Top1	---	Topoisomer_I	---	---
I	0	5-hydroxytryptan	Htr5a	regulation of tr	rhodopsin-like	integral to	GPCRs_C
MI	0	DNA polymerase	Polg	---	DNA_pol_A;DN	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	lens epithelium-d	Ledgf	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	---	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	adipose different	ADRP	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	nibrin	Nbn	---	---	---	---
I	0	solute carrier fan	Slc24a2	transport /// p	symporter activ	integral to	---
I	0	Olf-1/EBF associ	Roaz	---	transcription fa	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	synaptogyrin 2	Syng2	---	---	membrane	---
I	0	myotubularin rela	Mtmr9	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	jumping transloc	Jtb	---	---	integral to	---
I	0	HIF-1 responsive	Rtp801	---	---	---	---
I	0	proteasome (pro	Psmd9	positive regul	transcription co	---	---
I	0	centaurin, alpha	Centa1	---	ArfGap;DNA bi	---	---
I	0	nuclear pore ass	Npap60	---	---	nuclear po	---
I	0	vesicle-associate	Vapb	---	structural mole	kinesin cor	---
MI	0,01	nuclear receptor	Nr2f6	regulation of t	DNA binding //	nucleus	Nuclear_R
I	0	proline rich 2	Prol2	---	---	---	---
I	0	transcription fact	Tcfubf	regulation of t	DNA binding //	nucleus ///	---
I	0	RNA binding mo	Rbm3	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cyclin D1	Ccnd1	regulation of c	cyclin-depende	nucleus ///	Wnt_Signa
I	0	Rattus norvegicus	---	---	---	---	---
I	0	protein kinase C	Prkcl1	protein amino	protein kinase	intracellula	GPCRs_C
I	0	iron-regulatory p	Ireb2	metabolism	RNA binding //	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	regulator of G-pr	Rgs10	signal transdu	signal transduc	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cleavage and po	Cpsf4	---	---	---	---

I	0	H3 histone, family H3f3b	---	histone;DNA binding	---	---
I	0	ribosomal protein Rps12	protein biosynthesis	structural conservation	intracellular	Ribosomal
I	0	secretogranin 2 Scg2	---	calcium ion binding	extracellular	---
I	0	guanine nucleotide-binding protein Gnao	---	G-alpha;signal transduction	---	G_Protein
I	0	PR domain containing Prdm4	negative regulation of transcription	---	---	---
I	0	A kinase (PRK) family class II member 6 Akap6	---	---	---	---
I	0	ribonuclease/angiogenin 1 Rnh1	---	---	---	---
I	0	Rattus norvegicus	---	3.5.2.2;dehydrogenase	---	---
I	0	GM2 ganglioside Gm2a	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	kinesin family member 3a Kif3a	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
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I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	v-ral simian leukemia virus protein 1 Ralb	small GTPases	small monomeric GTPase	---	---
I	0	transcription factor 12 Tcf12	regulation of transcription	DNA binding	nucleus	---
MI	0,01	kinase interacting protein Kist	protein amino acid metabolism	nucleic acid binding	nucleus ///	---
I	0	CaM-KII inhibitor LOC59314	---	---	---	---
I	0	myosin regulator of G-actin Mrlcb	---	effhand;calcium binding	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---
I	0	cathepsin D Ctsd	proteolysis and autophagy	aspartic-type endopeptidase	lysosome	---

I	0	Rattus norvegicus	---	---	KH;nucleic acid	---	---
I	0	homer, neuronal	Homer1	---	---	---	---
I	0	growth factor rec	Grb2	EGF receptor	SH3/SH2 adap	---	---
I	0	5-hydroxytryptan	Htr2a	G-protein cou	rhodopsin-like	integral to	GPCRs_C
I	0	calpain 5	Capn5	proteolysis an	cysteine-type ei	intracellular	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	basic leucine zip	Bzw1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	rapostlin	Rnd2	neurogenesis	Rho small mor	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	E74-like factor 1	Elf1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
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I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	solute carrier fan	Slc30a1	transport /// ca	zinc ion transp	extracellular	---
I	0	WW domain bind	Wbp4	---	---	---	---
I	0	guanosine mono	Gmpr	---	IMPDH;catalyti	---	---
I	0	metastasis asso	Mta1	regulation of t	DNA binding //	nucleus	---
I	0	RN protein	LOC171116	---	---	---	---
I	0	discs, large hom	Dlgh3	intracellular si	protein binding	cytoplasm	---
I	0	chloride intracell	Clic4	ion transport /	ion channel ac	mitochond	---
I	0	insulin degradin	Ide	proteolysis an	metalloendope	---	---
I	0	glycine transport	Glyt1	---	SNF;neurotran	---	---
I	0	solute carrier fan	Slc11a2	transport /// ir	transporter act	membrane	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	SAC2 (suppressor)	Sacm2l	---	---	---	---
I	0	membrane protein	Mpp2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	glia maturation factor	Gmfg	---	cofilin_ADF;actin	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	vascular endothelial cell	Vegfb	regulation of growth factor	membrane	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	microtubule-associated protein	MPL3	---	microtubule binding	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	phosphatidylinositol 3-kinase	Pdcl	electron transport	electron transport	---	---
I	0	UDP-glucose:ceramide glucosyltransferase	Ugcg	---	2.4.1.80;ceramide	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	four and a half LIM domain 1	Fhl1	electron transport	electron transport	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	pre-B-cell colony-forming cell	Pbef	cell cycle	---	nucleus	///
I	0	Rattus norvegicus	---	---	---	---	---
I	0	presynaptic cytoskeleton	Pclo	cytoskeleton	protein binding	synapse	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	adenosine monophosphate deaminase 3	Ampd3	nucleotide metabolism	AMP deaminase	---	---
I	0	complexin 2	Cplx2	neurotransmission	SNARE binding	---	---
I	0	potassium voltage-gated channel subunit	Kcna5	transport	/// ion channel activity	integral to membrane	---
I	0	ubiquitin-conjugating enzyme E2D2	Ube2d2	protein modification	ubiquitin conjugation	---	---

I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	chromosome con	Chc1l	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	ADP-ribosylation	Arl1	small GTPase	small monome	Golgi trans	---
I	0	vitamin A-deficie	Vad	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	prolyl 4-hydroxyl	P4hb	electron trans	protein disulfid	extracellula	---
I	0	SAC1 (supresso	Sacm1l	---	---	---	---
I	0	phospholipase C	Plcb4	lipid metabolis	phosphoinositic	---	---
I	0	casein kinase 1,	Csnk1d	protein amino	protein kinase	---	---
I	0	microtubule-assc	Mapre1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	calpastatin	Cast	protein catabo	cysteine protea	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	integrin alpha 7	Itga7	cell adhesion	receptor activit	integrin co	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	solute carrier fan	Slc2a5	transport /// cat	transporter act	membrane	---
I	0	disks large-asso	DAP-4	GKAP;cell-cel	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	src associated in	Sam68	---	KH;nucleic acid	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	contactin 2	Cntn2	cell adhesion	cell adhesion n	---	---

I	0	p21 (CDKN1A)-a	Pak2	protein amino	protein kinase	---	---
I	0	implantation-ass	LAG2	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	interferon induce	Ifitm3l	---	---	---	---
I	0	fucosidase, alpha	Fuca	---	alpha-L-fucosid	---	---
MI	0,01	MAP-kinase activ	Madd	---	---	---	---
I	0	acetyl-CoA trans	Acatn	---	---	---	---
I	0	SH3-domain kin	Sh3kbp1	---	---	nucleus ///	---
MI	0,01	trans-golgi netwo	Ttgn1	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	ras-related C3 b	Rac1	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	eukaryotic transl	Eif2s2	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	hypoxia inducible	Hif1a	response to h	DNA binding //	nucleus	---
I	0	guanylate cyclas	Gucy1a3	cGMP biosynt	guanylate cycl	guanylate	---
I	0	transducin-like e	Tle3	regulation of t	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	diacylglycerol O-	Dgat2	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	phosphoribosyl p	Prps2	nucleoside me	magnesium ion	---	---
I	0	actin, beta	Actb	cell motility ///	motor activity /	cytoskeleton	---
I	0	diphosphoinositid	Nudt4	---	---	---	---
I	0	ubiquitin-conjuga	Ube2d3	protein modifi	ubiquitin conjuc	---	---
I	0	ferritin light chain	Ftl1	iron ion transp	binding ///	ferritin	---
I	0	endothelin conver	Ece1	proteolysis an	neprilysin activ	membrane	---
I	0	Circadian Oscilla	Scop	---	---	---	---
I	0	solute carrier fan	Slc6a6	beta-alanine t	beta-alanine tra	integral to	---
I	0	potassium inward	Kcnj4	ion transport /	ion channel ac	membrane	---
I	0	branched chain a	Bcat1	metabolism ///	catalytic activit	---	---
I	0	myocyte enhanc	Mef2d	---	SRF-TF;transc	---	---
I	0	retinoid-inducible	Risc	proteolysis an	catalytic activit	---	---
I	0	cystatin C	Cst3	---	cysteine protea	extracellular	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Unknown (protein	MGC72616	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	proprotein conver	Pcsk3	protein proces	3.4.21.75;furin	---	---
I	0	transient recepto	Chak	---	protein kinase	---	---
I	0	syntaxin binding	Stxbp1	intracellular p	protein binding	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	protein carrying t	Neurodap1	neurogenesis	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	cytochrome P450	Cyp20a1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	serine/threonine	Stk2	---	---	---	---
I	0	Ratsg2	Ratsg2	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	mitogen activate	Mapk1	nuclear trans	protein kinase	insoluble fr	MAPK_Ca
I	0	heterogeneous r	Hnrpk	RNA processi	nucleic acid bir	nucleus ///	---
I	0	polypeptide GalN	Galnt1	heterophilic c	polypeptide N-	Golgi appa	---
I	0	protein tyrosine p	Ptpns1	cell motility ///	protein binding	extracellula	---
MI	0,01	ATP-binding cas	Abcg1	cholesterol tra	ABC_tran;ATP	---	---
MI	0,01	amyloid beta (A4	Apba3	intracellular p	protein transpo	---	---
I	0	protein tyrosine p	Ptpn1	protein amino	phosphoprotein	integral to	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	calcium binding p	Cabp1	development	calcium ion bin	---	---
I	0	CaM-kinase II in	LOC287005	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	ubiquilin 1	Ubqln1	---	---	---	---
I	0	peptidyl arginine	Pdi2	---	protein-arginine	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Vps24p protein	LOC282834	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Sel1 (suppressor)	Sel1h	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Kruppel-like factor	Klf3	regulation of t	DNA binding	nucleus	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	calcium/calmodulin	Camk2b	protein amino	protein kinase	calcium/ca	---
I	0	---	---	---	---	---	---
I	0	beta-1,3-glucuronidase	B3gat1	---	galactosylgalactose	Golgi appa	---
I	0	TPR-containing protein	TRIP8b	---	---	---	---
I	0	major histocompatibility complex class II	Hla-dma	---	---	---	---
I	0	RAB6, member RAB GTPase family	Rab6	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	norvegicus myosin heavy chain 13	Mybph	striated muscle	cell adhesion molecule	striated muscle	G13_Signaling
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	selective LIM binding protein	Sib	---	---	---	---
I	0	methionine adenosyltransferase 2A	Mat2a	one-carbon metabolism	magnesium ion	---	---
I	0	protein phosphatase 1 gamma	Ppm1g	---	PP2C;catalytic	---	---
MI	0,01	nuclear receptor subfamily 2, class 2, member 2	Nr2f2	regulation of transcription	DNA binding //	nucleus	Nuclear_Receptor
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	---	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Kruppel-like factor 15	Klf15	---	---	---	---
I	0	integrin beta 4	Itgb4	cell adhesion	receptor activity	integrin complex	---
I	0	adenylyl cyclase 2	Cap2	cytoskeleton c	---	membrane	---
I	0	6-pyruvoyl-tetrahydropterin synthase	Pts	phenylalanine	magnesium ion	---	---
I	0	prosaposin	Psap	sphingolipid metabolism	---	extracellular	---

I	0	synaptosomal-as	Snap23	---	---	---	---
I	0	glutamate-cystei	Gclc	glutathione bi	glutamate-cyst	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	numb gene hom	Numb	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	heat shock prote	Hsp86	---	chaperone acti	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	single-stranded	Ssbp1	DNA replicatio	DNA binding	mitochond	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	ATPase, Na+/K+	Atp1b3	potassium ion	sodium/potass	sodium/po	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	septin-like protei	Slpa	---	GTP_CDC;GT	---	---
I	0	lecithin cholester	Lcat	lipid metabolis	catalytic activit	extracellula	---
I	0	von Hippel-Linda	Vhl	regulation of t	transcription fa	nucleus ///	---
I	0	RAB2, member R	Rab2	two-compone	DNA binding ///	endoplasm	---
I	0	tubulin, beta 5	Tubb5	microtubule-b	chaperone acti	microtubul	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	endothelial mon	Scye1	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	ras-related prote	Rab10	intracellular p	small monome	---	---
I	0	Rattus norvegicu	---	---	---	---	---

I	0	Rattus norvegicus	---	---	---	---	---
I	0	P11 protein	Cdtw1	---	---	---	---
I	0	Unconventional myosin IIA	Myr5	cytoskeleton motor activity // cytoskeleton	---	---	---
I	0	bone morphogenetic protein 6	Bmp6	regulation of cytokine activity	---	---	---
I	0	nuclear receptor subfamily 1, group A, member 2	Nr2f2	regulation of transcription // DNA binding // nucleus	---	---	Nuclear_R
I	0	Rattus norvegicus	---	---	---	---	---
I	0	rabaptin 5	LOC54190	---	Rabaptin;GTPase	---	---
I	0	calcium/calmodulin-dependent protein kinase 2 gamma	Camk2g	protein amino acid phosphorylation	protein kinase	---	---
I	0	Rattus norvegicus	---	---	UQ_con;ubiquitin	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	mannosidase, alpha	Man2c1	carbohydrate catabolic process	alpha-mannosidase	endoplasmic reticulum	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	ribosomal protein S27	Rps27	---	Ribosomal_S27	---	---
I	0	serine threonine kinase 39	Stk39	protein amino acid phosphorylation	protein kinase	---	---
I	0	dystroglycan 1	Dag1	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	protein kinase C-epsilon	Prkcl1	protein amino acid phosphorylation	protein kinase	intracellular	GPCRs_C
I	0	cyclin-dependent kinase 1A	Cdkn1a	---	CDI;cyclin-dependent kinase	---	---
I	0	guanine nucleotide-binding protein G(i)1	Gnai1	signal transduction	signal transduction	---	G_Protein
I	0	CUG triplet repeat binding protein 2	Cugbp2	mRNA splicing	pre-mRNA splicing	nucleus	---
I	0	ring finger protein 34	Rnf34	---	ubiquitin-protein ligase	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rho-associated protein kinase 2	Rock2	protein amino acid phosphorylation	protein kinase	intracellular	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	protease, serine,	Prss15	---	LON;ATP-depe	---	---
I	0	protein tyrosine p	Ptpnf	homophilic ce	---	---	---
I	0	regulator of G-pr	Rgs2	negative regul	RGS;signal tra	---	---
I	0	ubiquitin fusion d	Ufd1l	UFD1;ubiquiti	---	---	---
I	0	synaptorin	LOC66030	---	---	MARVEL;r	---
I	0	trans-Golgi prote	Gmx33	---	---	---	---
I	0	N-ethylmaleimide	Nsf	---	cdc48_N;ATP	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	acidic ribosomal	Arbp	---	Ribosomal_L1	---	Ribosomal
I	0	calcium- and inte	Sip2-28	---	efhand;calcium	---	---
MI	0,01	lectin, mannose-	Lman1	transport /// he	sugar binding	endoplasm	---
MI	0	protein phosphat	Ppm1a	protein amino	protein phosph	protein ser	---
I	0	amphiphysin	Amph1	BAR;endocyte	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	small glutamine	Sgt2	---	---	---	---
I	0	adenosine A1 re	Adora1	G-protein cou	rhodopsin-like	plasma me	GPCRs_O
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	maternal G10 tra	G10	---	---	---	---
I	0	voltage-depende	Cacng4	ion transport /	ion channel ac	voltage-ga	Calcium_C
I	0	Rattus norvegicu	---	---	---	---	---
I	0	drebrin-like	Dbnl	---	cofilin_ADF;ac	---	---
I	0	5-aminoimidazol	Atic	---	MGS;catalytic	---	---
I	0	Rattus norvegicu	---	---	---	---	---
MI	0,01	Rattus norvegicu	---	---	---	---	---
I	0	beta-catenin	Catnb	---	beta-catenin bi	cytoplasm	TGF_Beta

MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	adenylate cyclase	Adcyap1r1	G-protein coupled	G-protein coupled	extracellular	GPCRs_C
I	0	lectin, galactose	Lgals8	heterophilic cell	sugar binding	---	---
I	0	HRAS like suppressor	Hrasl3	---	---	---	---
I	0	nuclease sensitive	Nsep1	regulation of transcription	DNA binding	nucleus	---
I	0	hyperpolarization	Hcn2	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
MI	0	Rattus norvegicus	---	---	---	---	---
I	0	protein phosphatase	Ppp1r2	glycogen metabolism	protein phosphatase	---	---
MI	0,01	Werner syndrome	Wrip	---	AAA;ATP binding	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	neural precursor	Nedd4a	protein modification	ubiquitin-protein	ubiquitin ligase	---
I	0	Saccharomyces cerevisiae	pEachy	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	matrix metalloproteinase	Mmp14	proteolysis and	metalloendopeptidase	extracellular	Matrix_Me
I	0	actin-related protein	Actr3	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---
MI	0,01	Rattus norvegicus	---	---	---	---	---
I	0	Rattus norvegicus	---	---	---	---	---

I	0	protein kinase, c	Prkar2a	protein amino	cAMP-depende	cAMP-dep	G_Protein
I	0	phosphoribosyla	Paics	purine nucleo	catalytic activit	phosphorit	---
I	0	carnitine palmito	Cpt1a	fatty acid met	carnitine O-pal	membrane	Fatty_Acid
MI	0,01	prolactin recepto	Prlr	---	receptor activit	membrane	---
I	0	vacuolar protein	Vps33b	transport /// in	protein transpo	membrane	---
MI	0	solute carrier fan	Slc29a3	---	---	---	---
I	0	BH3 interacting c	Bid3	apoptosis	protein binding	---	---

D	1	Rattus norvegicu	---	---	---	---	---
MD	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	homer, neuronal	Homer1	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Plasminogen act	Plaur	---	---	---	---
D	1	glutamic-pyruvat	Gpt	biosynthesis	alanine transar	---	Alanine-As
D	1	Ca+/Calmodulin	Camkk2	---	pkinase;proteir	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	discs, large hom	Dlgh4	intracellular si	sugar porter ac	---	---
D	1	protease, serine	Prss11	---	---	---	---
D	1	voltage-depende	Cacng8	ion transport /	ion channel ac	membrane	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	hydroxysteroid 1	Hsd11b1	metabolism ///	11-beta-hydrox	microsome	C-21_Ster
D	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	guanine nucleoti	Gnb1	signal transdu	heterotrimeric	heterotrime	G_Protein
D	1	Rattus norvegicu	---	---	---	---	---
D	1	discs, large hom	Dlgh4	intracellular si	sugar porter ac	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---
D	1	Rattus norvegicu	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	glutathione S-transferase	Gstm1	glutathione conjugation	glutathione transferase	---	---
D	1	ribonuclease, RNase4	Rnase4	---	nucleic acid binding	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	cyclophilin B	Ppib	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	CUG triplet repeat	Cugbp2	mRNA splicing	pre-mRNA splicing	nucleus	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	inhibin binding protein	InhBP	---	coreceptor activity	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	activity regulated	Arc	pattern specific	actin binding	cytoplasm	---
D	1	CUG triplet repeat	Cugbp2	mRNA splicing	pre-mRNA splicing	nucleus	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	glutathione S-transferase	Gstm5	glutathione conjugation	glutathione transferase	---	---
D	1	kinesin 1C	Kif1c	microtubule-binding	motor activity	kinesin complex	---
D	1	thyroid hormone receptor	Thrsp	---	---	nucleus	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	ribonuclease, RNase4	Rnase4	---	nucleic acid binding	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	heat shock 70 kD	Hspa4	response to h	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	ATP-binding cas	Abcd3	transport /// p	nucleotide bind	extracellula	---
D	1	apolipoprotein C	Apoc1	lipid transport	lipid transporte	extracellula	---
D	1	transient recepto	Trpc3	regulation of t	DNA binding //	membrane	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	DEXRAS1 (Dextr	Rasd1	nitric oxide me	RAS small mor	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	chemokine (C-X-	Cxcl12	chemotaxis ///	cytokine activit	extracellula	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	prominin	Prom	glucose home	---	---	---
D	1	solute carrier fan	Slc7a10	aa_permease	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	nasal embryonic	Nelf	---	---	---	---
D	1	preoptic regulato	Porf1	---	---	---	---
D	1	echinoderm micr	Eml2	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Munc13-3	Unc13h3	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	opioid-binding pr	Opcml	cell adhesion	cell adhesion r	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	mitogen activate	Mapk8ip	anti-apoptosis	apoptosis inhib	---	---
D	1	sterol carrier pro	Scp2	acyl-CoA met	sterol carrier p	mitochond	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	thymine-DNA gly	Tdg	base-excision	uracil DNA N-g	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	protein tyrosine p	Ptpn16	intracellular si	MAP kinase ph	---	Phosphatic
D	1	ER transmembra	Dri42	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	solute carrier family 21 member 14	Slc21a14	transport // ion	transporter activity	membrane	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	KIFC2 protein	KIFC2	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	acyl-CoA: dihydroxyphenylacetate acyltransferase	Gnpat	metabolism	acyltransferase activity	peroxisome	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	glutathione S-transferase gamma 3	Gstm3	glutathione conjugation	glutathione transferase activity	---	---
D	1	transferrin receptor 1	Tfrc	proteolysis and protein processing	receptor activity	endosome	---
D	1	SEC23A (S. cerevisiae)	Sec23a	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	homer, neuronal	Homer1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	R. norvegicus mF	---	---	dNK;ATP bindi	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	SH3 domain bind	Cr16	---	---	---	---
D	1	glucose-6-phosp	LOC303565	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	sideroflexin 5	Sfxn5	---	---	---	---
D	1	poly(A) binding p	Pabpn1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	gonadotropin-reg	GrIacs	---	AMP-binding;c	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	aldolase C, fruct	Aldoc	glycolysis	fructose-bispho	---	Glycolysis
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	---	---	---	---	---	---
D	1	glycoprotein Ib (p	Gp1bb	---	GTP_CDC;GT	---	---
D	1	brain-specific an	Baiap2	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	exchange factor	EFA6	neuron differe	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	crystallin, alpha I	Cryab	sensory organ	heat shock pro	cytoplasm	---
D	1	camello-like 3	Cml3	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	myelin and lymph	Mal	intracellular p	structural cons	peripheral	---
D	1	arginine vasopre	Avp	regulation of h	hormone activi	extracellula	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	tuberous scleros	Tsc2	signal transdu	GTPase activa	nucleus	---
D	1	contactin associa	Cntnap1	cell adhesion	cell adhesion n	integral to	---
D	1	evectin-1	Evt1	regulation of s	---	---	---
D	1	ER transmembra	Dri42	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	GABA(A) recept	Gabarapl2	transport /// in	actin binding ///	Golgi appa	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	O linked N-acety	Ogt	O-linked glyco	N-acetyltransfe	intracellular	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	paralemmin	Palm	regulation of c	---	internal sid	---
D	1	muscle glycogen	Pygm	carbohydrate	catalytic activit	---	Glycogen
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	synaptogyrin 1	Syngr1	synaptic vesic	---	membrane	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	ATPase, Ca++ tr	Atp2b1	cation transpo	magnesium ion	membrane	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	potassium voltag	Kcnc2	transport /// io	ion channel ac	voltage-ga	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	nesprin-1	Syne1	---	structural mole	nuclear me	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	milk fat globule-EMfge8	---	cell adhesion	---	extracellula	---
D	1	N-myc downstre	Ndrp2	signal transdu	---	---	---
D	1	collybistin I	Arhgef9	small GTPase	---	---	---
D	1	guanylate-cyclas	GCRP	---	---	---	---
D	1	calcium/calmodu	Camk2a	protein amino	protein kinase	calcium/ca	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	neogenin	Neo1	cell adhesion	cell adhesion n	integral to	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	glutaminase	Gls	glutamine me	glutaminase ac	mitochond	---
D	1	solute carrier fan	Slc12a2	aa_permease	---	---	---
D	1	liver mitochondri	Ga	glutamine me	glutaminase ac	mitochond	Glutamate
D	1	Rattus norvegicus	---	---	---	---	---
D	1	hypothetical prot	LOC362246	---	---	---	---
D	1	monoamine oxid	Maoa	electron trans	amine oxidase	mitochond	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	ATP-binding cas	Abca5	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	syntrophin assoc	Sast	---	kinase;protein	---	---
D	1	Jun D proto-onc	Jund	regulation of t	DNA binding //	nucleus	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	complexin 1	Cplx1	neurotransmit	SNARE binding	---	---
D	1	prostaglandin-en	Ptgs2	regulation of	peroxidase act	nuclear me	Eicosanoid
D	1	Rat hemoglobin	---	globin;oxygen	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	claudin 5	Cldn5	---	structural mole	extracellula	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	olfactomedin rela	Olfm1	development	---	endoplasm	---
D	1	HLA-B-associate	Bat1a	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	neuritin	Nrn	---	---	---	---
D	1	angiotensinogen	Agt	cell surface re	endopeptidase	extracellular	---
MD	1	hemoglobin, alpha	Hba1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	globin;oxygen	---	---	---
D	1	myelin-associate	Mobp	neurogenesis	structural cons	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	prickle-like 1 (Dre	Prickle1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	utrophin	Utrn	neuromuscula	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	karyopherin alpha	Kpna1	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	heat shock 20-kD	Loc192245	regulation of r	---	---	---
D	1	glutamate recept	Grin1	transport /// ion	magnesium ion	extracellula	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	cystatin N	Cst6	---	cystatin;cysteir	---	---
MD	0,99	Munc13-3	Unc13h3	DAG_PE-bind	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	inositol 1,4,5-trip	Itpr1	ion transport /	receptor activit	endoplasm	Calcium_C
MD	0,99	brevican	Bcan	cell adhesion	sugar binding /	extracellula	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	carbonic anhydrase	CAR-XI	---	carb_anhydrase	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	centaurin, gamma	Centg1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	hemoglobin beta	Hbb	transport /// oxygen transport	hemoglobin	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	prodynorphin	Pdyn	transport /// neuropeptide	extracellular	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	lymphoid enhancer	Lef1	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	aldehyde dehydrogenase	Aldh1a1	metabolism /// aldehyde dehydrogenase	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	protein kinase, A	Prkg1	fatty acid biosynthesis	SNF1A/AMP-activated	nucleus	Fatty_Acid
MD	1	FXFD domain-containing	Fxyd7	ion transport	ion channel activity	membrane	---

D	1	myelin-associated	Mobp	neurogenesis	structural cons	---	---
D	1	thyroid hormone	Thrsp	---	---	nucleus	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	band 83	Band83	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	synaptic vesicle	Sv2a	neurotransmitt	transporter act	integral to	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	v-raf murine sar	Araf1	regulation of	protein kinase	intracellular	---
MD	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	limkain b1	Lkap	---	---	---	---
D	1	platelet derived	Pdgfra	protein amino	protein kinase	extracellular	---
MD	0,99	---	---	---	---	---	---
D	1	malate dehydrog	Mdh1	---	malate dehydro	---	Glycolysis
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	poly(A) binding	Pabpn1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	cadherin 10	Cdh10	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	RNA binding protein	Hub	---	RNA binding	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	tripartite motif protein	Trim9	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	carbonic anhydrase	Ca2	one-carbon co	carbonate dehy	---	---
D	1	cholecystokinin	Cck	---	hormone activi	extracellula	---
D	1	actinin, alpha 1	Actn1	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	N-ethylmaleimide	Napa	transport /// in	intracellular tra	endoplasm	---
D	1	carbonic anhydrase	Ca2	one-carbon co	carbonate dehy	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	BMP/retinoic acid	BRINP2	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	protein phosphatase	Ppp1r14c	---	---	---	---
D	1	regulator of G-protein	Rgs5	signal transdu	signal transduc	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	globin;oxygen	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	myelin oligodendrocyte glycoprotein	Mog	---	---	integral to	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	carbonic anhydrase 1B	CAR-XI	---	carb_anhydrase 1B	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	BCL2/adenovirus 1	Bnip3l	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	dystrophin-related protein 2	Drp2	central nervous system	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
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D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
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D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	glycoprotein m6b	Gpm6b	---	---	---	---
D	1	myosin VIIA and	Myrip	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	alpha thalassaemia	Atrx	DNA repair	DNA binding //	nucleus	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	---	---	---	---	---	---
MD	0,99	basigin	Bsg	---	---	extracellular	Matrix_Me
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---

D	1	Rattus norvegicus	---	---	---	---	---
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D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	calcium channel	Cacna1d	ion transport	/ion channel ac	voltage-ga	Calcium_C
D	1	serine-arginine-r	Srrp86	---	---	---	---
D	1	calcium/calmodu	Camk1g	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	heat shock facto	Hsf2	regulation of t	DNA binding //	nucleus ///	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	cell division cycle	Cdc42	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	1	protein phosphat	Ppp3cb	---	protein phosph	protein ser	G_Protein
D	1	lin-10 protein hor	Lin10	---	---	---	---
D	1	---	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
D	1	Rattus norvegicus	---	---	---	---	---
MD	0,99	Mk1 protein	Mk1	---	---	---	---
MD	1	Rattus norvegicus	---	---	---	---	---