Cancer (PIN, GP3-5, Met) vs. Noncancer(BPH and Normal)

Probe set	Probe_set	p-value	bonferroni(p-value)	qvalue(p-value)	t
230577_at	230577_at	8.01E-16	1.44E-13	2.91E-14	9.64046
204942_s_at	204942_s_at	9.61E-13	1.73E-10	2.32E-11	-8.20941
232176_at	204942_s_at	4.82E-12	8.68E-10	8.74E-11	7.88005
202908_at	204942_s_at	2.04E-10	3.68E-08	2.69E-09	7.10332
235976_at	204942_s_at	2.23E-10	4.01E-08	2.69E-09	7.08522
222666_s_at	204942_s_at	3.36E-10	6.05E-08	3.15E-09	-6.99853
229912_at	204942_s_at	3.47E-10	6.25E-08	3.15E-09	-6.99159
206574_s_at	204942_s_at	8.89E-10	1.60E-07	7.16E-09	-6.79246
233063_s_at	204942_s_at	1.96E-09	3.53E-07	1.42E-08	-6.6234
238156_at	204942_s_at	7.25E-09	1.31E-06	4.78E-08	-6.34049
1559315_s_at	204942_s_at	1.22E-08	2.19E-06	7.36E-08	6.22712
213459_at	204942_s_at	3.14E-08	5.66E-06	1.75E-07	-6.01771
201605_x_at	204942_s_at	3.86E-08	6.95E-06	2.00E-07	5.97162
225625_at	204942_s_at	6.03E-08	1.09E-05	2.91E-07	-5.87191
229899_s_at	204942_s_at	8.33E-08	1.50E-05	3.77E-07	-5.79919
227490_at	204942_s_at	1.90E-07	3.42E-05	8.11E-07	5.61136
1555270_a_at	204942_s_at	2.44E-07	4.39E-05	9.81E-07	5.55428
222018_at	204942_s_at	7.29E-07	0.000131308	2.78E-06	-5.29883
226671_at	204942_s_at	1.28E-06	0.000230969	4.65E-06	5.16494
229407_at	204942_s_at	1.76E-06	0.000316747	6.08E-06	-5.08929
1557129_a_at	204942_s_at	6.08E-06	0.001094007	1.94E-05	-4.7865
230334_at	204942_s_at	6.15E-06	0.001107897	1.94E-05	-4.78336
226448_at	204942_s_at	1.64E-05	0.002948667	4.95E-05	4.53657
202270_at	204942_s_at	2.58E-05	0.004645457	7.48E-05	4.41936
1564907_s_at	204942_s_at	5.07E-05	0.00912843	0.000141413	-4.24173
202269_x_at	204942_s_at	5.45E-05	0.009817746	0.000146458	4.22232
231577_s_at	204942_s_at	6.94E-05	0.012495086	0.000179741	4.15764
230306_at	204942_s_at	9.83E-05	0.017698792	0.000245817	-4.06317
212425_at	204942_s_at	0.000126919	0.022845341	0.00030672	3.99305
205968_at	204942_s_at	0.000169282	0.030470809	0.000395902	-3.91299
218611_at	204942_s_at	0.000318964	0.057413433	0.000722652	3.73314
210787_s_at	204942_s_at	0.000355523	0.063994181	0.000781074	-3.70178
200974_at	204942_s_at	0.000366606	0.065989136	0.000781734	3.69288
209156_s_at	204942_s_at	0.000389193	0.070054763	0.000806186	3.6755
231029_at	204942_s_at	0.000453328	0.081599022	0.000912952	-3.63092
230896_at	204942_s_at	0.000520426	0.0936766	0.001019753	-3.59027
219122_s_at	204942_s_at	0.000620874	0.111757319	0.001184562	-3.53785
213778_x_at	204942_s_at	0.000781638	0.140694844	0.001453045	-3.46869
205680_at	204942_s_at	0.000911421	0.164055869	0.001651951	-3.42204
202132_at	204942_s_at	0.00100496	0.180892828	0.001777064	3.39215
223741_s_at	204942_s_at	0.00113688	0.204639011	0.001962477	3.35417
205726_at	204942_s_at	0.00123659	0.222586929	0.002084955	-3.32811
221261_x_at	204942_s_at	0.00134404	0.241927416	0.002214613	3.30215
238127_at	204942_s_at	0.0022215	0.399869587	0.00357908	-3.14259
238619_at	204942_s_at	0.00232609	0.418695929	0.003666118	3.12771
238339_x_at	204942_s_at	0.00264035	0.475262166	0.004072873	-3.08647
227010_at	204942_s_at	0.00278841	0.501914481	0.004183293	-3.0686
242445_at	204942_s_at	0.00282733	0.508919237	0.004183293	3.06405
230762_at	204942_s_at	0.0045972	0.827496685	0.006665946	2.9014
221919_at	204942_s_at	0.00481556	0.8668001	0.006845643	-2.88554

204695_at	204942_s_at	0.00548477	0.98725928	0.00764704	-2.84077
200756_x_at	204942_s_at	0.0063946	1	0.00863232	-2.78734
221208_s_at	204942_s_at	0.00642959	1	0.00863232	2.78542
236229_at	204942_s_at	0.00659372	1	0.008691724	2.77658
202551_s_at	204942_s_at	0.00683055	1	0.008843116	2.76416
218523_at	204942_s_at	0.00857204	1	0.010903039	2.6833
204624_at	204942_s_at	0.00963929	1	0.012049109	-2.64085
205776_at	204942_s_at	0.0106328	1	0.013065713	-2.60501
227997_at	204942_s_at	0.0108732	1	0.013138474	2.59679
240278_at	204942_s_at	0.0129038	1	0.015198108	-2.53326
239242_at	204942_s_at	0.012997	1	0.015198108	-2.53056
214291_at	204942_s_at	0.0138966	1	0.01599216	-2.50541
243724_at	204942_s_at	0.0148563	1	0.016829353	2.48014
219301_s_at	204942_s_at	0.0156092	1	0.017410291	2.46132
228489_at	204942_s_at	0.0168849	1	0.018547855	-2.4312
214038_at	204942_s_at	0.0186459	1	0.020176507	-2.3928
243063_at	204942_s_at	0.0193128	1	0.02059088	-2.3791
217099_s_at	204942_s_at	0.0207164	1	0.021767221	-2.35157
204384_at	204942_s_at	0.0242665	1	0.025133195	-2.2887
244116_at	204942_s_at	0.0247806	1	0.025304173	-2.28027
202552_s_at	204942_s_at	0.0290222	1	0.029223773	2.2161
224327_s_at	204942_s_at	0.0310332	1	0.030661658	2.18851
202238_s_at	204942_s_at	0.031296	1	0.030661658	-2.18501
238526_at	204942_s_at	0.0337488	1	0.032623795	-2.15362
206143_at	204942_s_at	0.0357737	1	0.034126225	2.12915
1554348_s_at	204942_s_at	0.0379664	1	0.035747592	-2.10398
241360_at	204942_s_at	0.0492413	1	0.045110648	-1.99147
240110_at	204942_s_at	0.0499523	1	0.045110648	1.98514
229370_at	204942_s_at	0.0501724	1	0.045110648	-1.9832
235974_at	204942_s_at	0.0505908	1	0.045110648	-1.97953
214845_s_at	204942_s_at	0.0510217	1	0.045110648	-1.97577
208181_at	204942_s_at	0.0574837	1	0.050211684	-1.92244
231468_at	204942_s_at	0.058506	1	0.050496267	1.91448
230631_s_at	204942_s_at	0.0656153	1	0.055966007	1.86211
203294_s_at	204942_s_at	0.0712061	1	0.060028386	-1.82416
228496_s_at	204942_s_at	0.0733113	1	0.061092731	1.81052
1561542_at	204942_s_at	0.0796532	1	0.065623359	-1.77129
238920_at	204942_s_at	0.0827164	1	0.067093927	-1.75326
239615_at	204942_s_at	0.083289	1	0.067093927	1.74995
241652_x_at	204942_s_at	0.0884187	1	0.070443493	-1.72111
204696_s_at	204942_s_at	0.102011	1	0.080388988	-1.65081
1552266_at	204942_s_at	0.109598	1	0.085439182	-1.61482
226592_at	204942_s_at	0.110782	1	0.085443838	-1.60938
201289_at	204942_s_at	0.121403	1	0.09264992	1.5626
231011_at	204942_s_at	0.125231	1	0.094575201	-1.54654
206984_s_at	204942_s_at	0.129804	1	0.09553919	-1.52785
206085_s_at	204942_s_at	0.130121	1	0.09553919	-1.52657
215253_s_at	204942_s_at	0.13046	1	0.09553919	-1.52521
222315_at	204942_s_at	0.132446	1	0.096023516	-1.51729
229590_at	204942_s_at	0.133788	1	0.096036072	-1.51199
210764_s_at	204942_s_at	0.135865	1	0.096570903	1.50386
217013_at	204942_s_at	0.161016	1	0.112393761	1.41246

235405_at	204942_s_at	0.162392	1	0.112393761	1.40778
221737_at	204942_s_at	0.162777	1	0.112393761	-1.40648
227048_at	204942_s_at	0.165484	1	0.113184748	-1.39739
218825_at	204942_s_at	0.170095	1	0.11514829	-1.38217
227019_at	204942_s_at	0.171531	1	0.11514829	1.37749
227126_at	204942_s_at	0.181899	1	0.120987835	1.34457
244786_at	204942_s_at	0.189098	1	0.124632449	-1.32254
222304_x_at	204942_s_at	0.193997	1	0.126709837	1.3079
204795_at	204942_s_at	0.204528	1	0.131234465	1.27735
238573_at	204942_s_at	0.204545	1	0.131234465	-1.2773
239342_at	204942_s_at	0.211015	1	0.134197947	-1.2591
235173_at	204942_s_at	0.214108	1	0.134981115	1.25055
231926_at	204942_s_at	0.221708	1	0.138567472	-1.2299
228603_at	204942_s_at	0.242077	1	0.150005104	1.177
230133_at	204942_s_at	0.28934	1	0.176278819	-1.0654
203265_s_at	204942_s_at	0.296984	1	0.179428114	1.04856
208352_x_at	204942_s_at	0.303603	1	0.181910635	-1.03422
214870_x_at	204942_s_at	0.313436	1	0.186263446	-1.0133
239877_at	204942_s_at	0.32617	1	0.192254392	-0.986854
233230_s_at	204942_s_at	0.333018	1	0.194707899	0.972911
216960_s_at	204942_s_at	0.337346	1	0.195660655	0.964195
239642_at	204942_s_at	0.359904	1	0.20546044	-0.919905
1553346_a_at	204942_s_at	0.35991	1	0.20546044	0.919894
208782_at	204942_s_at	0.371571	1	0.210460392	0.897694
1560071_a_at	204942_s_at	0.374934	1	0.210718999	-0.891374
206463_s_at	204942_s_at	0.390556	1	0.217810347	-0.86247
220080_at	204942_s_at	0.412512	1	0.228298463	-0.823027
225727_at	204942_s_at	0.426399	1	0.234196351	-0.798729
229443_at	204942_s_at	0.440377	1	0.237480453	-0.774741
232345_at	204942_s_at	0.441191	1	0.237480453	-0.773358
204896_s_at	204942_s_at	0.442205	1	0.237480453	-0.771637
205020_s_at	204942_s_at	0.468745	1	0.249882457	0.72738
1563469_at	204942_s_at	0.47231	1	0.249944887	0.721545
242722_at	204942_s_at	0.482593	1	0.253536224	0.704849
241837_at	204942_s_at	0.491424	1	0.255727275	0.690667
228806_at	204942_s_at	0.498942	1	0.255727275	-0.678704
220031_at	204942_s_at	0.500745	1	0.255727275	-0.675849
202134_s_at	204942_s_at	0.500873	1	0.255727275	0.675646
226064_s_at	204942_s_at	0.514565	1	0.260880641	-0.654148
1554531_at	204942_s_at	0.54868	1	0.275858015	0.601847
213422_s_at	204942_s_at	0.551716	1	0.275858015	-0.597274
216307_at	204942_s_at	0.573963	1	0.285016044	-0.564136
225726_s_at	204942_s_at	0.580902	1	0.286499188	-0.55393
233002_at	204942_s_at	0.590707	1	0.287262491	-0.539604
220016_at	204942_s_at	0.592943	1	0.287262491	0.536352
228702_at	204942_s_at	0.598255	1	0.287262491	0.528651
220363_s_at	204942_s_at	0.598298	1	0.287262491	0.528588
232797_at	204942_s_at	0.604046	1	0.288114097	-0.520291
214222_at	204942_s_at	0.612752	1	0.290356237	0.507792
214947_at	204942_s_at	0.623651	1	0.293601748	0.492256
232348_at	204942_s_at	0.642777	1	0.300653965	-0.465275
225731_at	204942_s_at	0.665204	1	0.307247483	0.434067

215145_s_at	204942_s_at	0.66535	1	0.307247483	0.433865
235526_at	204942_s_at	0.679541	1	0.311814696	0.414339
231399_at	204942_s_at	0.775632	1	0.350588279	-0.285812
230443_at	204942_s_at	0.776512	1	0.350588279	-0.28466
1552685_a_at	204942_s_at	0.778548	1	0.350588279	0.281995
204077_x_at	204942_s_at	0.789255	1	0.352183965	-0.268017
238228_at	204942_s_at	0.795824	1	0.352183965	0.259468
1554522_at	204942_s_at	0.796664	1	0.352183965	-0.258376
205131_x_at	204942_s_at	0.821843	1	0.361112636	0.225786
238853_at	204942_s_at	0.832839	1	0.363739826	-0.211631
215064_at	204942_s_at	0.851729	1	0.369762398	0.187413
235360_at	204942_s_at	0.863898	1	0.370636629	0.171869
207980_s_at	204942_s_at	0.863967	1	0.370636629	-0.171782
235125_x_at	204942_s_at	0.884635	1	0.377270746	0.145479
226848_at	204942_s_at	0.895422	1	0.379637798	-0.131792
1561595_x_at	204942_s_at	0.904086	1	0.379892516	0.120817
222412_s_at	204942_s_at	0.912842	1	0.379892516	-0.109741
229677_at	204942_s_at	0.913435	1	0.379892516	0.108991
217826_s_at	204942_s_at	0.916982	1	0.379892516	0.104508
239045_at	204942_s_at	0.922434	1	0.379979756	0.097622
209357_at	204942_s_at	0.93139	1	0.381501475	0.08632
242739_at	204942_s_at	0.937408	1	0.38180928	0.078732
1556678_a_at	204942_s_at	0.955441	1	0.386980437	0.05602
205391_x_at	204942_s_at	0.994622	1	0.400611492	-0.006758

red text probe sets with absent call on all samples

Mean(N-nc	Mean(Y-ca	MeanRatio(N/Y)	MeanDiff(N-Y)	MeanDiff(Y-N	FoldDiff(Y/N)	FoldDiff(Y/Nsigned)
8.85407	4.29417	2.06188	4.55991	-4.5599	0.042396824	-23.58667252
3.92593	6.61917	0.593115	-2.69324	2.69324	6.467642788	6.467642788
4.92222	2.80306	1.75602	2.11917	-2.11916	0.230180895	-4.344409209
6.66296	5.61694	1.18623	1.04602	-1.04602	0.484302381	-2.064825695
4.52556	2.67417	1.69232	1.85139	-1.85139	0.277125236	-3.608476852
2.02296	2.87806	0.702892	-0.855093	0.8551	1.808884133	1.808884133
2.69889	4.705	0.573621	-2.00611	2.00611	4.01697644	4.01697644
2.67037	4.46236	0.598421	-1.79199	1.79199	3.462922259	3.462922259
3.61889	4.54347	0.796503	-0.924583	0.92458	1.898131574	1.898131574
7.37296	8.10444	0.909743	-0.731482	0.73148	1.660341493	1.660341493
5.36407	3.62056	1.48156	1.74352	-1.74351	0.298642211	-3.348488469
6.66148	7.51917	0.885933	-0.857685	0.85769	1.812134451	1.812134451
5.53667	4.87514	1.13569	0.661528	-0.66153	0.632207476	-1.581759214
4.61852	5.33514	0.865679	-0.71662	0.71662	1.643327472	1.643327472
4.46296	5.80014	0.769458	-1.33718	1.33718	2.526569735	2.526569735
3.70185	3.24806	1.13971	0.453796	-0.45379	0.730122275	-1.3696336
3.23481	2.70264	1.19691	0.532176	-0.53217	0.691513825	-1.446102686
6.95185	7.71889	0.900629	-0.767037	0.76704	1.701774642	1.701774642
8.8837	7.83347	1.13407	1.05023	-1.05023	0.482891174	-2.070859966
2.67704	4.22875	0.633056	-1.55171	1.55171	2.931644157	2.931644157
1.92222	2.59583	0.740503	-0.673611	0.67361	1.595059233	1.595059233
3.22741	3.63042	0.888991	-0.403009	0.40301	1.32226377	1.32226377
2.58741	2.21278	1.1693	0.37463	-0.37463	0.771303199	-1.296507004
8.18593	6.74444	1.21373	1.44148	-1.44149	0.368186848	-2.716012275
2.91259	3.30694	0.88075	-0.394352	0.39435	1.314350452	1.314350452
8.18815	6.73375	1.21599	1.4544	-1.4544	0.364906815	-2.740425662
8.36185	6.94375	1.20423	1.4181	-1.4181	0.374204808	-2.672333382
6.24889	6.74944	0.925838	-0.500556	0.50055	1.414752807	1.414752807
3.81667	3.33625	1.144	0.480417	-0.48042	0.716768927	-1.395149766
5.66481	6.79306	0.833913	-1.12824	1.12825	2.185934239	2.185934239
5.92704	5.20014	1.13978	0.726898	-0.7269	0.6042008	-1.655078907
2.94222	3.72389	0.790094	-0.781667	0.78167	1.719119699	1.719119699
12.6074	11.9118	1.0584	0.695602	-0.6956	0.617452474	-1.619557848
7.19778	6.11694	1.17669	1.08083	-1.08084	0.472753486	-2.115267324
2.4063	3.97528	0.605315	-1.56898	1.56898	2.966948737	2.966948737
7.83778	8.87292	0.883337	-1.03514	1.03514	2.049312503	2.049312503
5.50593	6.01333	0.91562	-0.507407	0.5074	1.421486108	1.421486108
2.78111	3.12917	0.888771	-0.348056	0.34806	1.27284787	1.27284787
2.3963	3.78333	0.633382	-1.38704	1.38703	2.615397082	2.615397082
7.65815	7.11417	1.07646	0.543981	-0.54398	0.685876152	-1.457989167
5.96222	5.34333	1.11582	0.618889	-0.61889	0.651171742	-1.535693174
7.62296	8.17611	0.932346	-0.553148	0.55315	1.467285893	1.467285893
7.66444	6.11903	1.25256	1.54542	-1.54541	0.342598324	-2.918870085
3.12444	3.88056	0.805154	-0.756111	0.75612	1.688942251	1.688942251
4.68815	4.15458	1.12843	0.533565	-0.53357	0.690843101	-1.447506674
1.90444	2.045	0.931269	-0.140556	0.14056	1.102332917	1.102332917
1.72111	1.88556	0.912787	-0.164444	0.16445	1.120738736	1.120738736
1.8763	1.74472	1.07541	0.131574	-0.13158	0.912831195	-1.095492798
3.79222	3.38458	1.12044	0.407639	-0.40764	0.753855543	-1.32651409
5.03667	5.33792	0.943564	-0.30125	0.30125	1.232211581	1.232211581

3.96852	4.34639	0.913061	-0.37787	0.37787	1.299421967	1.299421967
3.89815	4.18542	0.931364	-0.287268	0.28727	1.220328873	1.220328873
6.75963	6.29792	1.07331	0.461713	-0.46171	0.726125086	-1.377173189
6.86037	6.31944	1.0856	0.540926	-0.54093	0.687327696	-1.454910089
7.84444	7.44847	1.05316	0.395972	-0.39597	0.759978231	-1.315827163
3.24222	3.09931	1.04611	0.142917	-0.14291	0.905690481	-1.104129966
4.3537	4.88208	0.891772	-0.52838	0.52838	1.44230872	1.44230872
3.13778	4.24722	0.738784	-1.10944	1.10944	2.157618804	2.157618804
6.62333	5.78764	1.14439	0.835694	-0.83569	0.560314992	-1.784710411
2.05963	2.25125	0.914883	-0.19162	0.19162	1.142045397	1.142045397
2.18111	2.53903	0.859034	-0.357917	0.35792	1.281576856	1.281576856
4.25889	4.76139	0.894464	-0.5025	0.5025	1.416666332	1.416666332
4.45889	4.30819	1.03498	0.150694	-0.1507	0.900813279	-1.110107969
9.56185	8.94069	1.06948	0.621157	-0.62116	0.650147966	-1.538111404
2.10481	2.80403	0.75064	-0.699213	0.69922	1.623626734	1.623626734
2.55519	3.04514	0.839103	-0.489954	0.48995	1.404396202	1.404396202
3.39222	3.96375	0.855811	-0.571528	0.57153	1.486098766	1.486098766
4.0463	4.52319	0.894566	-0.476898	0.47689	1.391740273	1.391740273
6.20778	6.60431	0.939959	-0.396528	0.39653	1.316338017	1.316338017
5.42889	6.20181	0.875372	-0.772917	0.77292	1.708724727	1.708724727
8.15259	7.85653	1.03768	0.296065	-0.29606	0.814473689	-1.227786745
2.71889	2.54597	1.06792	0.172917	-0.17292	0.887045492	-1.127337898
4.18444	4.70639	0.889099	-0.521944	0.52195	1.435894745	1.435894745
7.12778	7.37514	0.96646	-0.247361	0.24736	1.187032965	1.187032965
4.01148	2.95292	1.35848	1.05856	-1.05856	0.480111035	-2.082851523
1.97185	2.22042	0.888055	-0.248565	0.24857	1.188028956	1.188028956
2.58815	2.94167	0.879824	-0.353519	0.35352	1.277674197	1.277674197
3.12704	2.77681	1.12613	0.350231	-0.35023	0.784459026	-1.274763839
3.29556	3.54319	0.930109	-0.247639	0.24763	1.187255138	1.187255138
2.48222	2.75389	0.901352	-0.271667	0.27167	1.207204426	1.207204426
3.8837	4.26236	0.911163	-0.378657	0.37866	1.300133708	1.300133708
1.94593	2.03958	0.95408	-0.0936574	0.09365	1.067066435	1.067066435
3.34667	2.99931	1.11581	0.347361	-0.34736	0.786021129	-1.272230431
3.01037	2.76194	1.08995	0.248426	-0.24843	0.841812011	-1.187913675
2.29444	2.36625	0.969654	-0.0718056	0.07181	1.051034481	1.051034481
9.22593	8.98931	1.02632	0.23662	-0.23662	0.848731425	-1.178229026
3.52222	3.97819	0.885382	-0.455972	0.45597	1.371704764	1.371704764
2.82556	3.04181	0.928907	-0.21625	0.21625	1.161710023	1.161710023
3.0837	2.89306	1.0659	0.190648	-0.19064	0.876216933	-1.141269887
1.93778	2.07486	0.933931	-0.137083	0.13708	1.099677127	1.099677127
1.95481	2.03764	0.959353	-0.0828241	0.08283	1.059093529	1.059093529
2.37481	2.60764	0.910715	-0.232824	0.23283	1.175137848	1.175137848
3.65815	3.97514	0.920257	-0.316991	0.31699	1.245728781	1.245728781
10.1474	9.80569	1.03485	0.341713	-0.34171	0.789105445	-1.267257762
2.69407	2.84556	0.946766	-0.151482	0.15149	1.110716016	1.110716016
1.51148	1.58597	0.953031	-0.0744907	0.07449	1.052988733	1.052988733
1.66074	1.72	0.965547	-0.0592593	0.05926	1.041931187	1.041931187
2.03481	2.11667	0.96133	-0.0818519	0.08186	1.058381684	1.058381684
3.47259	3.74889	0.926299	-0.276296	0.2763	1.211084896	1.211084896
7.37037	7.65944	0.962259	-0.289074	0.28907	1.221852385	1.221852385
6.26444	5.86556	1.06801	0.398889	-0.39888	0.758446856	-1.318483942
2.74815	2.62569	1.04664	0.122454	-0.12246	0.918619937	-1.088589481

7.63963	7.25056	1.05366	0.389074	-0.38907	0.763621697	-1.309548961
6.91111	7.03569	0.982293	-0.124583	0.12458	1.090190308	1.090190308
1.50185	1.65292	0.908607	-0.151065	0.15107	1.110392709	1.110392709
3.31519	3.44681	0.961814	-0.13162	0.13162	1.095523172	1.095523172
3.1537	2.99931	1.05148	0.154398	-0.15439	0.898512201	-1.112950941
2.83333	2.58556	1.09583	0.247778	-0.24777	0.842197209	-1.187370356
4.50037	4.76444	0.944574	-0.264074	0.26407	1.200861692	1.200861692
6.30481	5.91639	1.06565	0.388426	-0.38842	0.763965821	-1.308959083
2.30519	2.22111	1.03785	0.0840741	-0.08408	0.943385937	-1.060011561
4.28	4.51	0.949002	-0.23	0.23	1.172834949	1.172834949
1.74741	1.78444	0.979245	-0.037037	0.03703	1.02599948	1.02599948
5.62481	5.41583	1.03859	0.208981	-0.20898	0.865148684	-1.155870683
2.10556	2.19347	0.959919	-0.0879167	0.08791	1.06282937	1.06282937
6.04778	5.84264	1.03511	0.205139	-0.20514	0.867454505	-1.15279821
2.23111	2.30319	0.968703	-0.0720833	0.07208	1.0512312	1.0512312
3.87556	3.73556	1.03748	0.14	-0.14	0.907519155	-1.101905116
2.57778	2.67556	0.963455	-0.0977778	0.09778	1.0701255	1.0701255
9.67111	9.76514	0.990371	-0.0940278	0.09403	1.067347533	1.067347533
1.6863	1.71111	0.985498	-0.0248148	0.02481	1.017345701	1.017345701
2.06926	1.97931	1.04545	0.0899537	-0.08995	0.939555311	-1.064333295
6.88593	6.78389	1.01504	0.102037	-0.10204	0.931714596	-1.073290044
1.99889	2.05486	0.972761	-0.0559722	0.05597	1.039557818	1.039557818
1.56778	1.53819	1.01923	0.0295833	-0.02959	0.979698679	-1.020722005
11.8126	11.6965	1.00992	0.116065	-0.1161	0.922678535	-1.083801088
1.77926	1.85292	0.960248	-0.0736574	0.07366	1.05238311	1.05238311
2.23667	2.28375	0.979383	-0.0470833	0.04708	1.033171677	1.033171677
1.84963	1.91569	0.965514	-0.0660648	0.06606	1.046853818	1.046853818
7.27704	7.4425	0.977768	-0.165463	0.16546	1.121523616	1.121523616
2.28407	2.36708	0.964932	-0.0830092	0.08301	1.059225677	1.059225677
2.14037	2.17167	0.985589	-0.0312963	0.0313	1.021932566	1.021932566
1.59111	1.61403	0.985802	-0.0229167	0.02292	1.016013802	1.016013802
7.40333	7.26222	1.01943	0.141111	-0.14111	0.906821185	-1.102753241
2.90519	2.795	1.03942	0.110185	-0.11019	0.92646604	-1.079370378
7.82519	7.66069	1.02147	0.164491	-0.1645	0.892237692	-1.120777579
5.57333	5.3875	1.03449	0.185833	-0.18583	0.879143149	-1.137471186
7.15556	7.28222	0.982606	-0.126667	0.12666	1.09176322	1.09176322
1.79259	1.81111	0.989775	-0.0185185	0.01852	1.012919835	1.012919835
2.4137	2.36639	1.01999	0.0473148	-0.04731	0.967739061	-1.033336403
2.53185	2.62875	0.963139	-0.0968981	0.0969	1.069472955	1.069472955
2.23889	2.19889	1.01819	0.04	-0.04	0.972654947	-1.028113827
4.83185	4.93486	0.979126	-0.103009	0.10301	1.074011916	1.074011916
1.60259	1.62014	0.98917	-0.0175463	0.01755	1.012239024	1.012239024
9.30259	9.39486	0.990179	-0.0922684	0.09227	1.066046228	1.066046228
1.72593	1.76917	0.975559	-0.0432407	0.04324	1.030425356	1.030425356
2.94296	2.88069	1.02162	0.0622685	-0.06227	0.957755958	-1.044107314
7.25148	7.15222	1.01388	0.0992592	-0.09926	0.933511694	-1.07122386
2.14704	2.11319	1.01601	0.0338426	-0.03385	0.976810085	-1.023740454
2.82148	2.90431	0.971482	-0.0828241	0.08283	1.059093529	1.059093529
3.40852	3.31597	1.02791	0.0925463	-0.09255	0.937863586	-1.066253147
2.0063	1.92639	1.04148	0.0799074	-0.07991	0.946116667	-1.056952102
1.96444	1.98264	0.990823	-0.0181944	0.0182	1.012695187	1.012695187
8.43	8.36306	1.008	0.0669445	-0.06694	0.954660717	-1.047492562

3.59148	3.47597	1.03323	0.115509	-0.11551	0.923055948	-1.08335795
4.87704	4.81181	1.01356	0.0652314	-0.06523	0.955792929	-1.046251724
4.39926	4.47361	0.98338	-0.0743518	0.07435	1.052886556	1.052886556
2.39481	2.41875	0.990104	-0.0239352	0.02394	1.016732388	1.016732388
1.69185	1.68292	1.00531	0.00893518	-0.00893	0.993829313	-1.006209001
4.2537	4.27847	0.994211	-0.0247685	0.02477	1.017317495	1.017317495
5.96815	5.92194	1.0078	0.0462037	-0.04621	0.968477207	-1.032548823
1.96556	1.98222	0.991592	-0.0166667	0.01666	1.011614766	1.011614766
2.73963	2.72056	1.00701	0.0190741	-0.01907	0.986868662	-1.013306065
5.25519	5.30819	0.990014	-0.0530093	0.053	1.037419937	1.037419937
1.74185	1.73458	1.00419	0.0072685	-0.00727	0.994973495	-1.005051898
5.57185	5.53667	1.00635	0.0351852	-0.03518	0.975909992	-1.024684661
4.54037	4.59361	0.98841	-0.0532408	0.05324	1.037592531	1.037592531
8.9337	8.91597	1.00199	0.0177315	-0.01773	0.987785708	-1.012365326
6.92037	6.94431	0.996553	-0.0239352	0.02394	1.016732388	1.016732388
2.39926	2.39278	1.00271	0.00648149	-0.00648	0.995518478	-1.004501696
8.0937	8.11458	0.997427	-0.0208796	0.02088	1.014578153	1.014578153
3.29556	3.29	1.00169	0.00555556	-0.00556	0.996153518	-1.003861334
8.68519	8.66875	1.0019	0.0164353	-0.01644	0.988669341	-1.011460514
2.17741	2.16944	1.00367	0.00796296	-0.00797	0.994490848	-1.005539671
7.72333	7.70833	1.00195	0.015	-0.015	0.989656656	-1.010451446
2.13889	2.12861	1.00483	0.0102778	-0.01028	0.992899774	-1.007151
4.94556	4.93681	1.00177	0.00874998	-0.00875	0.993953317	-1.006083467
2.59259	2.59319	0.999768	-0.000601869	0.0006	1.000415975	1.000415975

NegLOG10(p-v	Representative_Pul	UniGene_ID	Gene_Title	Gene_Symbol
15.09613	AW014022	Hs.170953	Transcribed locus	---
12.01713	NM_000695	Hs.87539	aldehyde dehydrog	ALDH3B2
11.31681	R70320	Hs.525105	SLIT and NTRK-like	SLITRK6
9.68962	NM_006005	Hs.518602	Wolfram syndrome	WFS1
9.65222	AI680986	Hs.525105	SLIT and NTRK-like	SLITRK6
9.47344	BC001025	Hs.194121	RNA terminal phosp	RCL1
9.45915	AL042166	Hs.655699	sidekick homolog 1,	SDK1
9.05112	NM_007079	Hs.43666	protein tyrosine pho	PTP4A3
8.70765	AK023629	Hs.188825	CDNA FLJ33709 fis	---
8.13955	AW205632	Hs.663159	Transcribed locus	---
7.91446	AK054607	Hs.602278	hypothetical protein	LOC144481
7.50283	AU155515	Hs.433701	ribosomal protein L3	RPL37A
7.41301	NM_004368	Hs.651923	calponin 2	CNN2
7.21966	AI865555	Hs.374458	alkB, alkylation repa	ALKBH2
7.07952	AI625235	Hs.356766	chromosome 20 op	C20orf199
6.72112	T87542	Hs.208550	WD repeat and FY\	WDFY2
6.61327	BC030130	Hs.518602	Wolfram syndrome	WFS1
6.13698	AI992187	Hs.505735	nascent polypeptide	NACA /// N
5.89172	AI150000	Hs.496684	Lysosomal-associat	LAMP2
5.75456	AF131799	Hs.655699	sidekick homolog 1,	SDK1
5.21625	AA960844	Hs.186579	family with sequenc	FAM111B
5.21077	AA398901	Hs.97661	CDNA clone IMAGE	---
4.78565	AI130705	Hs.38516	family with sequenc	FAM89A
4.58824	NM_002053	Hs.62661	guanylate binding p	GBP1
4.29488	AJ224167	Hs.268939	matrin 3 /// small nu	MATR3 ///
4.26326	BC002666	Hs.62661	guanylate binding p	GBP1
4.15853	AW014593	Hs.62661	guanylate binding p	GBP1
4.00733	AA514326	Hs.334684	vacuolar protein sor	VPS26B
3.89647	AL049223	Hs.482587	secretory carrier me	SCAMP1
3.77139	NM_002252	Hs.414489	potassium voltage-g	KCNS3
3.49626	NM_016545	Hs.15725	immediate early res	IER5
3.44913	AF140507	Hs.297343	calcium/calmodulin-	CAMKK2
3.43580	NM_001613	Hs.500483	actin, alpha 2, smoo	ACTA2
3.40983	AY029208	Hs.420269	collagen, type VI, al	COL6A2
3.34359	AI740541	Hs.30054	coagulation factor V	F5
3.28364	AA833830	Hs.120591	coiled-coil domain c	CCDC4
3.20700	NM_017872	Hs.353090	tRNA-histidine guar	THG1L
3.10699	AI983201	Hs.290154	zinc finger protein 2	ZNF276
3.04028	NM_002425	Hs.2258	matrix metallopeptic	MMP10
2.99785	AA081084	Hs.699296	WW domain contair	WWTR1
2.94429	BC004233	Hs.27935	tweety homolog 2 (I	TTYH2
2.90777	NM_006729	Hs.696382	diaphanous homolo	DIAPH2
2.87159	NM_030801	Hs.571729	melanoma antigen f	MAGED4 ///
2.65335	AI479082	Hs.369201	hypothetical LOC65	FLJ41484
2.63337	AA417078	Hs.662069	CDNA FLJ26188 fis	---
2.57834	AI356774	Hs.518055	leucine-rich repeats	LRIG1
2.55464	BF438330	Hs.12798	CDNA clone IMAGE	---
2.54862	AA296351	Hs.117835	FYVE, RhoGEF and	FGD4
2.33751	AI281932	Hs.556090	Full-length cDNA cl	---
2.31735	AW450929	Hs.656277	heterogeneous nucl	HNRNPA1 //

2.26084	AI343459	Hs.437705	cell division cycle 2	CDC25A
2.19419	U67280	Hs.702061	calumenin	CALU
2.19182	NM_024631	Hs.146079	chromosome 11 op	C11orf61
2.18087	AW014345	Hs.661286	Transcribed locus	---
2.16554	BG546884	Hs.699247	cysteine rich transm	CRIM1
2.06692	NM_022126	Hs.527748	phospholysine phos	LHPP
2.01595	NM_000053	Hs.492280	ATPase, Cu++ tran	ATP7B
1.97335	NM_001461	Hs.642706	flavin containing mo	FMO5
1.96364	AW007080	Hs.150725	interleukin 17 recep	IL17RD
1.88928	AI939548	Hs.476270	Ras association (Ra	RASSF1
1.88616	AI807887	Hs.632282	CDNA FLJ34775 fis	---
1.85709	AA522618	Hs.647189	ribosomal protein L	hCG_200459
1.82809	AW979182	Hs.554251	Transcribed locus	---
1.80662	AU144598	Hs.655684	contactin associate	CNTNAP2
1.77250	AI721164	Hs.22026	transmembrane 4 L	TM4SF18
1.72942	AI984980	Hs.699804	chemokine (C-C mo	CCL8
1.71415	BF109773	Hs.199685	Transcribed locus	---
1.68369	AF258545	Hs.499620	gem (nuclear organ	GEMIN4
1.61499	NM_004486	Hs.155827	golgi autoantigen, g	GOLGA2
1.60589	AI194016	Hs.223837	Transcribed locus	---
1.53727	NM_016441	Hs.699247	cysteine rich transm	CRIM1
1.50817	AB048286	Hs.334305	diacylglycerol O-acy	DGAT2
1.50451	NM_006169	Hs.503911	nicotinamide N-met	NNMT
1.47174	AL119897	Hs.258209	RAB3A interacting p	RAB3IP
1.44644	NM_000111	Hs.1650	solute carrier family	SLC26A3
1.42060	BC018086	Hs.156506	CDKN2A interacting	CDKN2AIPNL
1.30767	BG413368	Hs.287555	coiled-coil domain c	CCDC15
1.30144	AI090874	Hs.59889	3-hydroxy-3-methyl	HMGCS2
1.29954	BF507344	Hs.535041	Transcribed locus	---
1.29593	AI857698	Hs.321273	exocyst complex co	EXOC4
1.29225	AF257659	Hs.702061	calumenin	CALU
1.24046	NM_003543	Hs.591790	histone cluster 1, H	HIST1H4H
1.23280	BF224439	---	---	---
1.18299	AI202642	Hs.512211	Full-length cDNA cl	---
1.14748	U09716	Hs.465295	lectin, mannose-bin	LMAN1
1.13483	AW243081	Hs.699247	Cysteine rich transm	CRIM1
1.09880	BU632652	---	---	---
1.08241	BE222450	---	---	---
1.07941	AI768445	---	---	---
1.05346	T82147	Hs.624171	Transcribed locus	---
0.99135	NM_001789	Hs.437705	cell division cycle 2	CDC25A
0.96020	NM_145004	Hs.521545	ADAM metallopepti	ADAM32
0.95553	AA031404	Hs.349208	zinc finger protein 6	ZNF618
0.91577	NM_001554	Hs.8867	cysteine-rich, angio	CYR61
0.90229	AI339785	Hs.657067	La ribonucleoprotei	LARP2
0.88671	NM_002930	Hs.464985	Ras-like without CA	RIT2
0.88565	NM_001902	Hs.19904	cystathionase (cyst	CTH
0.88452	AL049369	Hs.282326	regulator of calcine	RCAN1
0.87796	AW972855	Hs.575983	Transcribed locus	---
0.87358	AI369389	Hs.410817	Ribosomal protein L	RPL13
0.86689	AF003114	Hs.8867	cysteine-rich, angio	CYR61
0.79313	AC004522	Hs.568109	similar to alpha-2-gl	LOC646282

0.78944	N79662	Hs.485557	glutathione S-transf	GSTA4
0.78841	AK024696	Hs.487341	guanine nucleotide	GNA12
0.78124	AI990816	Hs.270364	laminin, alpha 1	LAMA1
0.76931	NM_016215	Hs.91481	EGF-like-domain, m	EGFL7
0.76566	AA129774	Hs.447011	hypothetical gene s	FLJ13137
0.74017	AI857788	Hs.594755	Transcribed locus	---
0.72331	AW972850	Hs.448753	small nucleolar RNA	SNHG10
0.71220	AW514038	Hs.524431	olfactory receptor, f	OR7E47P
0.68925	NM_025263	Hs.118354	proline rich 3	PRR3
0.68921	H19488	Hs.194081	Transcribed locus	---
0.67569	AI567554	Hs.502461	diacylglycerol kinas	DGKZ
0.66937	AA093668	---	hCG1806964	hCG_180696
0.65422	AK023744	Hs.654639	epidermal growth fa	EPS15L1
0.61605	AA977481	Hs.595349	Transcribed locus	---
0.53859	BF972355	Hs.533499	ring finger and CCC	RC3H2
0.52727	AA810268	Hs.514681	mitogen-activated p	MAP2K4
0.51769	NM_020479	Hs.654438	ankyrin 1, erythrocy	ANK1
0.50385	AC002045	Hs.694739	nuclear pore compl	LOC339047
0.48656	AI499833	---	hypothetical protein	LOC157740
0.47753	AV723459	Hs.479677	SLAIN motif family,	SLAIN2
0.47192	AL049646	Hs.472221	zinc finger protein 1	ZNF133
0.44381	H95280	Hs.593807	Full-length cDNA cl	---
0.44381	NM_020847	Hs.655057	trinucleotide repeat	TNRC6A
0.42996	BC000055	Hs.269512	follistatin-like 1	FSTL1
0.42605	T94585	---	---	---
0.40832	NM_005794	Hs.272499	dehydrogenase/red	DHRS2
0.38456	NM_018378	---	F-box and leucine-r	FBXL8
0.37018	AB033026	Hs.594236	pleckstrin homology	PLEKHH1
0.35618	AI686131	Hs.93235	Chromosome 6 ope	C6orf125
0.35537	AU158529	Hs.529006	Niemann-Pick disea	NPC1
0.35438	AI675173	Hs.199248	prostaglandin E rec	PTGER4
0.32906	NM_005738	Hs.245540	ADP-ribosylation fa	ARL4A
0.32577	AL832681	Hs.684023	MRNA; cDNA DKFZ	---
0.31642	AA100793	Hs.207631	LIM domain 7	LMO7
0.30854	AI289774	---	---	---
0.30195	AI218580	Hs.256022	RAR-related orphar	RORC
0.30038	NM_020205	Hs.98322	OTU domain contai	OTUD7B
0.30027	NM_015472	Hs.699296	WW domain contair	WWTR1
0.28856	AW469523	Hs.334305	diacylglycerol O-acy	DGAT2
0.26068	BC032355	Hs.288772	tetratricopeptide rep	TTC12
0.25828	AW888223	Hs.515687	matrix-remodelling a	LOC727882
0.24112	AB018261	Hs.567255	diacylglycerol kinas	DGKB
0.23590	AB033026	Hs.594236	pleckstrin homology	PLEKHH1
0.22863	AB046842	Hs.259599	KIAA1622	KIAA1622
0.22699	NM_024060	Hs.502756	AHNAK nucleoprote	AHNAK
0.22311	AL569506	Hs.150556	hypothetical protein	FLJ43663
0.22308	NM_022086	Hs.210469	engulfment and cell	ELMO2
0.21893	AU144005	Hs.656287	CDNA FLJ11397 fis	---
0.21272	AB023161	Hs.97403	dynein, axonemal, h	DNAH7
0.20506	AF052146	Hs.155085	CDNA FLJ43660 fis	---
0.19194	AK024370	Hs.529006	Niemann-Pick disea	NPC1
0.17705	BF196876	Hs.480694	ankyrin repeat dom	ANKRD50

0.17695	AC005378	Hs.655684	contactin associate	CNTNAP2
0.16778	BE748802	Hs.368226	SRY (sex determini	SOX6
0.11034	BE671491	Hs.258209	RAB3A interacting p	RAB3IP
0.10985	AI288202	Hs.182255	NHP2 non-histone c	NHP2L1
0.10871	NM_014552	Hs.418493	grainyhead-like 1 (D	GRHL1
0.10278	NM_004901	Hs.444389	ectonucleoside triph	ENTPD4
0.09918	AI732206	---	---	---
0.09872	BC021222	Hs.696431	cyclin M2	CNNM2
0.08521	NM_002975	Hs.512680	C-type lectin domai	CLEC11A
0.07944	AI436813	Hs.258209	RAB3A interacting p	RAB3IP
0.06970	AK027246	Hs.287749	sterol-C5-desaturas	SC5DL
0.06354	AW967747	Hs.159188	CDNA clone IMAGE	---
0.06350	NM_006079	Hs.82071	Cbp/p300-interactin	CITED2
0.05324	AI078279	Hs.632419	family with sequenc	FAM73A
0.04797	AI571166	Hs.657764	CDNA FLJ39306 fis	---
0.04379	BC042816	Hs.324978	Full length insert cD	---
0.03960	AW150923	Hs.518346	signal sequence rec	SSR3
0.03932	AA535975	Hs.515046	solute carrier family	SLC39A3
0.03764	NM_016021	Hs.163776	ubiquitin-conjugatin	UBE2J1
0.03506	AW194689	Hs.657858	Transcribed locus	---
0.03087	AF109161	Hs.82071	Cbp/p300-interactin	CITED2
0.02807	AA121544	Hs.519855	Chromosome 6 ope	C6orf201
0.01980	AF086256	Hs.660152	Full length insert cD	---
0.00234	M28880	Hs.654438	ankyrin 1, erythrocy	ANK1

Chromosomal_Loca	Entrez_Gene	SwissProt	RefSeq_Protein_ID	RefSeq_Transcript_
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chr11q13	222	P48448 /// Q53Y98	NP_000686.2 /// NF	NM_000695 /// NM_
chr13q31.1	84189	A8K9S8 /// Q9H5Y7	NP_115605.2	NM_032229
chr4p16	7466	O76024	NP_005996.1	NM_006005
chr13q31.1	84189	A8K9S8 /// Q9H5Y7	NP_115605.2	NM_032229
chr9p24.1-p23	10171	Q5VYW8 /// Q5VZL	NP_005763.3	NM_005772
chr7p22.2	221935	A8MRT8 /// Q7Z5N4	NP_001073121.1 //	NM_001079653 /// I
chr8q24.3	11156	O75365 /// Q6ZRA5	NP_009010.2 /// NF	NM_007079 /// NM_
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chr12q22	144481	---	XP_001128090.1 //	XM_001128090 /// X
chr2q35	6168	P61513 /// Q6FGF5	NP_000989.1	NM_000998
chr19p13.3	1265	A5D8U8 /// Q53GK7	NP_004359.1 /// NF	NM_004368 /// NM_
chr12q24.11	121642	A4PET2 /// Q6NS38	NP_001001655.1	NM_001001655
chr20q13.13	441951	Q5QHF1 /// Q8N5E	XP_934843.1 /// XP	NR_003604 /// NR_
chr13q14.3	115825	Q5W0C0 /// Q96LK	NP_443182.1	NM_052950
chr4p16	7466	O76024	NP_005996.1	NM_006005
chr12q23-q24.1 /// c	389240 /// 4666 /// 8	A6NNW5 /// A8MTN	NP_001106672.1 //	NM_001113201 /// I
chrXq24	3920	A8K4X5 /// P13473	NP_002285.1 /// NF	NM_002294 /// NM_
chr7p22.2	221935	A8MRT8 /// Q7Z5N4	NP_001073121.1 //	NM_001079653 /// I
chr11q12.1	374393	Q6SJ93	NP_945185.1	NM_198947
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chr1q42.2	375061	Q96GI7	NP_940954.1 /// XP	NM_198552 /// XM_
chr1p22.2	2633	P32455 /// Q59H47	NP_002044.1	NM_002053
chr5q31.2	724102 /// 9782	A8MXP9 /// P43243	NP_061322.2 /// NF	NM_018834 /// NM_
chr1p22.2	2633	P32455 /// Q59H47	NP_002044.1	NM_002053
chr1p22.2	2633	P32455 /// Q59H47	NP_002044.1	NM_002053
chr11q25	112936	Q4G0F5	NP_443107.1	NM_052875
chr5q13.3-q14.1	9522	A8K2G0 /// O15126	NP_004857.4 /// NF	NM_004866 /// NM_
chr2p24	3790	Q4ZFY1 /// Q9BQ3	NP_002243.3	NM_002252
chr1q25.3	51278	Q32P56 /// Q5VY09	NP_057629.2	NM_016545
chr12q24.2	10645	A8K7Q7 /// Q8IZW1	NP_006540.3 /// NF	NM_006549 /// NM_
chr10q23.3	59	P62736 /// Q13707	NP_001604.1	NM_001613
chr21q22.3	1292	P12110 /// Q6FHW9	NP_001840.3 /// NF	NM_001849 /// NM_
chr1q23	2153	A8K6E8 /// P12259	NP_000121.2	NM_000130
chr4p13	389206	A1A5D6 /// A1A5D7	NP_997289.2 /// XP	NM_207406 /// XM_
chr5q33.3	54974	Q9H8R6 /// Q9NWX	NP_060342.2	NM_017872
chr16q24.3	92822	A8K186 /// Q3KR18	NP_689500.2	NM_152287
chr11q22.3	4319	P09238 /// Q53HH9	NP_002416.1	NM_002425
chr3q23-q24	25937	Q6ZS93 /// Q9GZV9	NP_056287.1	NM_015472
chr17q25.1	94015	Q8N3U8 /// Q9BSA	NP_116035.5 /// NF	NM_032646 /// NM_
chrXq22	1730	A6NG19 /// A6NML	NP_006720.1 /// NF	NM_006729 /// NM_
chrXp11.22	728239 /// 81557	A8K093 /// Q5HYN6	NP_001092270.1 //	NM_001098800 /// I
chr13q34	650669	Q6ZW81	NP_001034888.1	NM_001039799
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chr3p14	26018	Q5XWD3 /// Q96JA	NP_056356.2	NM_015541
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chr12p11.21	121512	Q49A55 /// Q96M96	NP_640334.1	NM_139241
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chr12q13.1 /// chr1	3178 /// 728844	A8K4Z8 /// P09651	NP_002127.1 /// NF	NM_002136 /// NM_

chr3p21	993	A8K3D9 /// P30304	NP_001780.2 /// NF	NM_001789 /// NM_
chr7q32	813	O43852 /// Q6IAW5	NP_001210.1	NM_001219
chr11q24.2	79684	Q6P1R3	NP_078907.1	NM_024631
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chr2p21	51232	Q4ZG85 /// Q53TH	NP_057525.1	NM_016441
chr10q26.13	64077	Q5T1Z0 /// Q9H008	NP_071409.2	NM_022126
chr13q14.3	540	P35670 /// Q17RT3	NP_000044.2 /// NF	NM_000053 /// NM_
chr1q21.1	2330	P49326 /// Q53H53	NP_001452.1	NM_001461
chr3p14.3	54756	Q8NFM7	NP_001074442.1 ///	NM_001080973 /// I
chr3p21.3	11186	A8K9C3 /// Q0VGC	NP_009113.3 /// NF	NM_007182 /// NM_
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chr10q22.1 /// chr1(	442232 /// 6139 /// (	A8MSU5 /// A8MU0	NP_000976.1 /// NF	NM_000985 /// NM_
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chr7q35-q36	26047	O75852 /// Q75LG9	NP_054860.1	NM_014141
chr3q25.1	116441	Q96CE8	NP_620141.1	NM_138786
chr17q11.2	6355	P80075	NP_005614.2	NM_005623
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chr17p13	50628	P57678 /// Q8WUM	NP_056536.2	NM_015721
chr9q34.11	2801	Q08379 /// Q5HYE(	NP_004477.2	NM_004486
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chr2p21	51232	Q4ZG85 /// Q53TH	NP_057525.1	NM_016441
chr11q13.5	84649	A6ND76 /// Q96PD	NP_115953.2	NM_032564
chr11q23.1	4837	P40261 /// Q6FH49	NP_006160.1	NM_006169
chr12q14.3	117177	Q68K28 /// Q96QF(	NP_001019818.1 ///	NM_001024647 /// I
chr7q31	1811	P40879 /// Q6MZW	NP_000102.1	NM_000111
chr5q31.1	91368	Q8WVE3 /// Q96HC	NP_542387.1	NM_080656
chr11q24.2	80071	Q0P6D6	NP_079280.2	NM_025004
chr1p13-p12	3158	P54868 /// Q5SZU2	NP_005509.1	NM_005518
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chr7q31	60412	Q541U8 /// Q6NX5	NP_001032203.1 ///	NM_001037126 /// I
chr7q32	813	O43852 /// Q6IAW5	NP_001210.1	NM_001219
chr6p21.3	8365	A2VCL0 /// P62805	NP_003534.1	NM_003543
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chr18q21.3-q22	3998	A0PJ85 /// P49257	NP_005561.1	NM_005570
chr2p21	51232	Q9NZV1	NP_057525.1	NM_016441
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chr3p21	993	A8K3D9 /// P30304	NP_001780.2 /// NF	NM_001789 /// NM_
chr8p11.23	203102	A6NCM2 /// A8MTF	NP_659441.3 /// XF	NM_145004 /// XM_
chr9q32	114991	A1L4R1 /// Q5T7W(	NP_001035152.1 ///	NM_001040063 /// I
chr1p31-p22	3491	O00622 /// O95694	NP_001545.2	NM_001554
chr4q28.2	55132	Q659C4	NP_060548.2 /// NF	NM_018078 /// NM_
chr18q12.3	6014	Q99578	NP_002921.1	NM_002930
chr1p31.1	1491	P32929 /// Q53FB3	NP_001893.2 /// NF	NM_001902 /// NM_
chr21q22.1-q22.2|2	1827	P53805 /// Q6FGP2	NP_004405.3 /// NF	NM_004414 /// NM_
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chr16q24.3|17p11.2	6137	A8K4C8 /// O60250	NP_000968.2 /// NF	NM_000977 /// NM_
chr1p31-p22	3491	O00622 /// O95694	NP_001545.2	NM_001554
chr7q22.1	646282	A8MT79	---	XR_017216

chr6p12.1	2941	O15217 /// Q6P4G1	NP_001503.1	NM_001512
chr7p22.2	2768	A4D204 /// Q03113	NP_031379.2	NM_007353
chr18p11.31	284217	A6NN17 /// P25391	NP_005550.2 /// XP	NM_005559 /// XM_
chr9q34.3	51162	Q9UHF1	NP_057299.1 /// NP	NM_016215 /// NM_
chr1q23.3	400793	A1L170	NP_001078844.1 //	NM_001085375 ///
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chr14q32.13	283596	---	---	NR_001459 /// NR_
chr12q13.13	26628	---	---	---
chr6p21.33	80742	A1A4H4 /// A6NDA2	NP_001070965.1 //	NM_001077497 ///
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chr11p11.2	8525	Q13574 /// Q59F26	NP_001099010.1 //	NM_001105540 ///
chr3q25.1	401093	---	XP_379228.1 /// XP	XM_379228 /// XM_
chr19p13.11	58513	A2RRF3 /// A5PKY0	NP_067058.1	NM_021235
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chr9q34	54542	Q9HBD1	NP_001094058.1 //	NM_001100588 ///
chr17p11.2	6416	P45985 /// Q6FHX4	NP_003001.1	NM_003010
chr8p11.1	286	A0PJN8 /// A6NJ23	NP_000028.3 /// NP	NM_000037 /// NM_
chr16p13-p11 /// ch	339047 /// 642799 /	A6NMU5 /// O1510	NP_008916.2 /// XP	NM_006985 /// XM_
chr8p23.1	157740	Q96KT8	---	---
chr4p12	57606	A8K4P1 /// A8MSR	NP_065897.1 /// XP	NM_020846 /// XM_
chr20p11.23-p11.2	7692	A8K5S4 /// P52736	NP_001076799.1 //	NM_001083330 ///
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chr16p11.2	27327	Q8NDV7	NP_055309.2 /// NP	NM_014494 /// NM_
chr3q13.33	11167	A8K523 /// Q12841	NP_009016.1	NM_007085
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chr14q11.2	10202	Q13268 /// Q53GS4	NP_005785.1 /// NP	NM_005794 /// NM_
chr16q22.1	55336	Q96CD0	NP_060848.2	NM_018378
chr14q24.1	57475	Q9ULM0	NP_065766.1	NM_020715
chr6p21.31	84300	Q1M2P6 /// Q6ZSG	NP_115716.1	NM_032340
chr18q11-q12	4864	Q96DM3	NP_000262.1	NM_000271
chr5p13.1	5734	A0PJF5 /// P35408	NP_000949.1	NM_000958
chr7p21-p15.3	10124	A4D119 /// P40617	NP_001032241.1 //	NM_001037164 ///
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chr13q22.2	4008	Q5JV86 /// Q5TBK5	NP_005349.3	NM_005358
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chr1q21	6097	P51449 /// Q53FZ4	NP_001001523.1 //	NM_001001523 ///
chr1q21.2	56957	Q5SZ59 /// Q5SZ6(	NP_064590.2	NM_020205
chr3q23-q24	25937	Q6ZS93 /// Q9GZV5	NP_056287.1	NM_015472
chr11q13.5	84649	A6ND76 /// Q96PD7	NP_115953.2	NM_032564
chr11q23.1	54970	A8K8G6 /// Q53G14	NP_060338.3	NM_017868
chr1p36.33	54587 /// 727882	Q9BRK3	NP_115724.1	NM_032348 /// XR_
chr7p21.2	1607	A4D116 /// A4D117	NP_004071.1 /// NP	NM_004080 /// NM_
chr14q24.1	57475	Q9ULM0	NP_065766.1	NM_020715
chr14q32.13	57718	Q6NUP7	NP_066009.2 /// NP	NM_020958 /// NM_
chr11q12.2	79026	A1A586 /// Q09666	NP_001611.1 /// NP	NM_001620 /// NM_
chr7q32.3	378805	---	XP_380146.3 /// XP	XM_380146 /// XM_
chr20q13	63916	Q5BLP5 /// Q5JVZ4	NP_573403.1 /// NP	NM_133171 /// NM_
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chr2q32.3	56171	O00433 /// O95492	NP_061720.2	NM_018897
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chr18q11-q12	4864	Q96DM3	NP_000262.1	NM_000271
chr4q28.1	57182	A8K4V3 /// Q8TB46	NP_065070.1	NM_020337

chr7q35-q36	26047	O75852 /// Q75LG9	NP_054860.1	NM_014141
chr11p15.3	55553	P35712	NP_059978.1 /// NP	NM_017508 /// NM_
chr12q14.3	117177	Q68K28 /// Q96QF0	NP_001019818.1 ///	NM_001024647 /// N
chr22q13.2-q13.31	4809	P55769 /// Q6FHM6	NP_001003796.1 ///	NM_001003796 /// N
chr2p25.1	29841	A6NLA4 /// Q9NZI5	NP_055367.2 /// NP	NM_014552 /// NM_
chr8p21.3	9583	Q8NE73 /// Q9Y227	NP_004892.1	NM_004901
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chr10q24.32	54805	Q9H8M5	NP_060119.3 /// NP	NM_017649 /// NM_
chr19q13.3	6320	A0AUH1 /// Q5U0B9	NP_002966.1	NM_002975
chr12q14.3	117177	Q68K28 /// Q96QF0	NP_001019818.1 ///	NM_001024647 /// N
chr11q23.3	6309	O75845 /// Q6GTM8	NP_001020127.1 ///	NM_001024956 /// N
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chr6q23.3	10370	Q99967	NP_006070.2	NM_006079
chr1p31.1	374986	Q8NAN2	NP_940951.1	NM_198549
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chr3q25.31	6747	Q9UNL2	NP_009038.1	NM_007107
chr19p13.3	29985	Q9BRY0 /// Q9BVY	NP_653165.2 /// NP	NM_144564 /// NM_
chr6q15	51465	A8K3F9 /// Q53F25	NP_057105.2	NM_016021
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chr6q23.3	10370	Q99967	NP_006070.2	NM_006079
chr6p25.2	404220	Q7Z4U5 /// Q8WTU	NP_001078870.1 ///	NM_001085401 /// N
---	---	---	---	---
chr8p11.1	286	A0PJN8 /// A6NJ23	NP_000028.3 /// NP	NM_000037 /// NM_

Gene_Ontology_Bi	Gene_Ontology_Ce	Gene_Ontology_Mo	Pathway
0006066 // alcohol r	---	0004028 // 3-chloro	---
---	0016020 // membra	0005515 // protein b	---
0006091 // generati	0005624 // membra	---	---
---	0016020 // membra	0005515 // protein b	---
---	0005634 // nucleus	0003824 // catalytic	---
0007155 // cell adh	0016020 // membra	0005515 // protein b	---
0006470 // protein a	0005768 // endosor	0004721 // phospho	---
---	---	---	---
---	---	---	---
---	---	---	---
0006412 // translati	0005622 // intracell	0003735 // structura	---
0007010 // cytoskel	0005856 // cytoskel	0003779 // actin bin	Smooth_muscle_contraction // GenMAPP
0006281 // DNA rep	0005634 // nucleus	0003684 // damage	---
---	---	---	---
---	---	0008270 // zinc ion	---
0006091 // generati	0005624 // membra	---	---
0006350 // transcrip	0005634 // nucleus	0003677 // DNA bin	DNA_replication_Reactome // GenMAPP /// G
0005977 // glycoger	0005624 // membra	---	---
0007155 // cell adh	0016020 // membra	0005515 // protein b	---
---	---	0003824 // catalytic	---
---	---	---	---
---	---	---	---
0006955 // immune	0005886 // plasma r	0000166 // nucleotic	---
---	0005622 // intracell	0000166 // nucleotic	---
0006955 // immune	0005886 // plasma r	0000166 // nucleotic	---
0006955 // immune	0005886 // plasma r	0000166 // nucleotic	---
0006810 // transpor	0005737 // cytoplas	0005515 // protein b	---
0006810 // transpor	0005624 // membra	---	---
0006810 // transpor	0005624 // membra	0005216 // ion chan	---
---	---	---	---
0000165 // MAPKKK	0005622 // intracell	0000166 // nucleotic	---
---	0005737 // cytoplas	0000166 // nucleotic	Smooth_muscle_contraction // GenMAPP /// S
0006817 // phospha	0005576 // extracell	0005198 // structura	---
0007155 // cell adh	0005576 // extracell	0005507 // copper i	Blood_Clotting_Cascade // GenMAPP /// Bloo
---	---	---	---
0006400 // tRNA m	0005737 // cytoplas	0008193 // tRNA gu	---
0006350 // transcrip	0005622 // intracell	0003676 // nucleic a	---
0006508 // proteoly	0005576 // extracell	0003824 // catalytic	Matrix_Metalloproteinases // GenMAPP
0000122 // negative	0005634 // nucleus	0003713 // transcrip	---
0006810 // transpor	0005886 // plasma r	0005216 // ion chan	---
0000910 // cytokine	0005737 // cytoplas	0003779 // actin bin	DNA_replication_Reactome // GenMAPP
---	---	---	---
---	---	---	---
---	---	---	---
---	0016020 // membra	0005515 // protein b	---
---	---	---	---
0007010 // cytoskel	0001726 // ruffle // i	0003779 // actin bin	---
---	---	---	---
0000398 // nuclear	0005634 // nucleus	0000166 // nucleotic	---

0000079 // regulati	0005622 // intracell	0004721 // phospho	Cell_cycle_KEGG // GenMAPP /// G1_to_S_c
---	0005576 // extracell	0005509 // calcium	---
---	---	---	---
---	---	---	---
0001558 // regulatic	0005576 // extracell	0004197 // cysteine	---
0008152 // metabol	---	0003824 // catalytic	---
0006810 // transpor	0005737 // cytoplas	0000166 // nucleotic	---
0006118 // electron	0005783 // endopla	0004497 // monooxy	---
---	0000139 // Golgi m	0004872 // receptor	---
0007049 // cell cycl	0005634 // nucleus	0005515 // protein b	---
---	---	---	Electron_Transport_Chain // GenMAPP
0006412 // translati	0005622 // intracell	0003723 // RNA bin	Ribosomal_Proteins // GenMAPP
---	---	---	---
0007155 // cell adh	0016020 // membra	0005102 // receptor	---
---	0016020 // membra	---	---
0006816 // calcium	0005576 // extracell	0004871 // signal tr	---
---	---	---	---
0006364 // rRNA pr	0005634 // nucleus	0005515 // protein b	---
---	0005794 // Golgi ap	0005515 // protein b	---
---	---	---	---
0001558 // regulatic	0005576 // extracell	0004197 // cysteine	---
0006071 // glycerol	0005624 // membra	0004144 // diacylgly	---
---	0005737 // cytoplas	0008112 // nicotinar	---
0006810 // transpor	0005634 // nucleus	0005085 // guanyl-r	---
0006810 // transpor	0005624 // membra	0003700 // transcrip	---
---	---	---	---
---	---	---	---
0006694 // steroid b	0005739 // mitocho	0003824 // catalytic	Synthesis_and_Degradation_of_Keton_Bodie
---	---	---	---
0006810 // transpor	0000145 // exocyst	0003676 // nucleic a	---
---	0005576 // extracell	0005509 // calcium	---
0006325 // establis	0000786 // nucleos	0003677 // DNA bin	---
---	---	---	---
---	---	---	---
0006457 // protein f	0000139 // Golgi m	0005515 // protein b	---
0001558 // regulatic	0005576 // extracell	0004197 // cysteine	---
---	---	---	---
---	---	---	---
---	---	---	---
---	---	---	---
0000079 // regulatic	0005622 // intracell	0004721 // phospho	Cell_cycle_KEGG // GenMAPP /// G1_to_S_c
0006508 // proteoly	0016020 // membra	0004222 // metalloe	---
0006350 // transcrip	0005622 // intracell	0003676 // nucleic a	---
0001558 // regulatic	0005576 // extracell	0005515 // protein b	Hypertrophy_model // GenMAPP /// Hypertrop
---	---	0003723 // RNA bin	---
0007165 // signal tr	0005622 // intracell	0000166 // nucleotic	---
0006520 // amino a	0005737 // cytoplas	0003824 // catalytic	---
0007165 // signal tr	0005634 // nucleus	0003677 // DNA bin	---
---	---	---	---
0006412 // translati	0005622 // intracell	0003723 // RNA bin	Ribosomal_Proteins // GenMAPP
0001558 // regulatic	0005576 // extracell	0005515 // protein b	Hypertrophy_model // GenMAPP /// Hypertrop
0006955 // immune	0016020 // membra	---	---

0006950 // respons 0005737 // cytopla 0004364 // glutathic ---
0007165 // signal tr 0016020 // membra 0000166 // nucleoti G_Protein_Signaling // GenMAPP /// G_Prote
0007155 // cell adh 0005576 // extracell 0005102 // receptor ---
0001525 // angioge 0005576 // extracell 0005509 // calcium ---
--- --- --- ---
--- --- --- ---
--- --- --- ---
--- --- --- ---
--- --- 0003676 // nucleic a ---
--- --- --- ---
0007165 // signal tr 0005634 // nucleus 0004143 // diacylgly Smooth_muscle_contraction // GenMAPP /// S
--- --- --- ---
0006897 // endocyt 0005634 // nucleus 0004872 // receptor ---
--- --- --- ---
--- 0005624 // membra 0003676 // nucleic a ---
0006468 // protein a --- 0000166 // nucleoti Apoptosis // GenMAPP /// Apoptosis_GenMAI
0006887 // exocytos 0005737 // cytoplas 0005198 // structura ---
0006810 // transpor 0005634 // nucleus --- ---
--- --- --- ---
--- --- --- ---
0006350 // transcrip 0005622 // intracell 0003676 // nucleic a ---
--- --- --- ---
--- 0005737 // cytoplas 0000166 // nucleoti ---
--- 0005576 // extracell 0005509 // calcium ---
--- --- --- ---
0006118 // electron 0005634 // nucleus 0003824 // catalytic ---
0006512 // ubiquitin --- --- ---
--- 0005856 // cytoskel 0005488 // binding / ---
--- --- --- ---
0006897 // endocyt 0005635 // nuclear 0008158 // hedgeho ---
0006955 // immune 0005886 // plasma r 0001584 // rhodops GPCRDB_Class_A_Rhodopsin-like // GenMA
0007264 // small GT 0005622 // intracell 0000166 // nucleoti ---
--- --- --- ---
0016567 // protein u 0000151 // ubiquitin 0003779 // actin bin ---
--- --- --- ---
0006350 // transcrip 0005634 // nucleus 0003677 // DNA bin Nuclear_Receptors // GenMAPP
0006512 // ubiquitin 0005634 // nucleus 0003677 // DNA bin ---
0000122 // negative 0005634 // nucleus 0003713 // transcrip ---
0006071 // glycerol 0005624 // membra 0004144 // diacylgly ---
--- --- 0005488 // binding / ---
--- 0016020 // membra --- ---
0007205 // protein k 0005737 // cytoplas 0004143 // diacylgly ---
--- 0005856 // cytoskel 0005488 // binding / ---
--- --- 0005488 // binding / ---
0007399 // nervous 0005634 // nucleus 0003676 // nucleic a ---
--- --- --- ---
0006909 // phagocy 0005737 // cytoplas 0005488 // binding / ---
--- --- --- ---
0001539 // ciliary or 0005858 // axonem 0000166 // nucleoti ---
--- --- --- ---
0006897 // endocyt 0005635 // nuclear 0008158 // hedgeho ---
--- --- --- ---

0007155 // cell adh	0016020 // membr	0005102 // receptor	---
0006325 // establisl	0005634 // nucleus	0003677 // DNA bin	---
0006810 // transpor	0005634 // nucleus	0005085 // guanyl-r	---
0006397 // mRNA p	0005634 // nucleus	0003723 // RNA bin	---
0006350 // transcrip	0005634 // nucleus	0003677 // DNA bin	---
0006256 // UDP cat	0005764 // lysosom	0000287 // magnes	---
---	---	---	---
0006810 // transpor	0016020 // membra	---	---
0008284 // positive	0005576 // extracell	0005529 // sugar bi	---
0006810 // transpor	0005634 // nucleus	0005085 // guanyl-r	---
0006629 // lipid met	0005783 // endopla	0000248 // C-5 ster	Cholesterol_Biosynthesis // GenMAPP
---	---	---	---
0006350 // transcrip	0005634 // nucleus	0003700 // transcrip	---
---	0016020 // membra	---	---
---	---	---	---
---	---	---	---
0006613 // cotransl	0005783 // endopla	0005048 // signal se	---
0006810 // transpor	0016020 // membra	0008270 // zinc ion	---
0006512 // ubiquitin	0005783 // endopla	0004842 // ubiquitin	---
---	---	---	---
0006350 // transcrip	0005634 // nucleus	0003700 // transcrip	---
0006464 // protein r	---	0004190 // aspartic	---
---	---	---	---
0006887 // exocytos	0005737 // cytoplas	0005198 // structura	---

G1_to_S_cell_cycle_Reactome // GenMAPP

Smooth_muscle_contraction // GenMAPP /// Smooth_muscle_contraction // GenMAPP /// Striated_musc

od_Clotting_Cascade // GenMAPP /// Blood_Clotting_Cascade // GenMAPP /// Blood_Clotting_Cascade

:ell_cycle_Reactome // GenMAPP

:s_KEGG // GenMAPP

:ell_cycle_Reactome // GenMAPP

)hy_model // GenMAPP /// Hypertrophy_model // GenMAPP

)hy_model // GenMAPP /// Hypertrophy_model // GenMAPP

in_Signaling // GenMAPP

Smooth_muscle_contraction // GenMAPP /// Smooth_muscle_contraction // GenMAPP

PP // GenMAPP /// MAPK_Cascade // GenMAPP

APP /// Prostaglandin_synthesis_regulation // GenMAPP /// Small_ligand_GPCRs // GenMAPP

cle_contraction // GenMAPP /// Striated_muscle_contraction // GenMAPP /// Striated_muscle_contractior

// GenMAPP

n // GenMAPP