

Suppl. Table IX: Exon array results for cells treated with IL+IFN for 24h

Probe Set ID	Transcript Cluster ID	exon_id	Gene Title	Gene Symbol	Entrez Gene ID	Splicing index	up/down
6139153	7123129	1185075	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	2,22	down
6191235	7123129	1185087	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,84	up
6529901	7123129	1185074	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,58	up
5684183	7123129	1185077	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,51	up
6398999	7123129	1185084	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,48	up
6082119	7123129	1185075	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,39	down
5951730	7123129	1185079	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,36	up
6227440	7123129	1185090	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,36	down
6615231	7123129	1185090	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,35	down
5940962	7123129	1185085	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,31	down
6040880	7123129	1185081	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,27	up
6514900	7123129	1185080	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,20	down
6052829	7123129	1185078	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,20	up
5805844	7123129	1185085	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,19	down
5626073	7123129	1185078	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,14	up
5822387	7123129	1185083	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,10	up
6571098	7123129	1185082	1-acylglycerol-3-phosphate O-acyltransferase 9	Agpat9	305166	1,07	down
5807245	7241995	1478332	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	2,75	up
6379605	7241995	1478327	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,70	down
6255177	7241995	1478334	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,33	down
6169421	7241995	1478322	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,32	down
6407481	7241995	1478325	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,28	up
6248676	7241995	1478330	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,27	down
6110186	7241995	1478329	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,27	up
6272587	7241995	1478323	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,26	down
5644567	7241995	1478326	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,22	up
6348981	7241995	1478326	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,17	up
5871243	7241995	1478324	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,13	up
5627369	7241995	1478331	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,12	down
6444793	7241995	1478321	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,12	down
6588461	7241995	1478334	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,10	up
6258074	7241995	1478321	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,05	up
6491832	7241995	1478334	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,04	down
6722020	7241995	1478335	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,03	up
6447075	7241995	1478326	1-aminocyclopropane-1-carboxylate synthase homolog (Arabidopsis)(non-functional)	Accs	311218	1,03	down
6737496	7098544	1123991	2'-5' oligoadenylate synthetase II	Oas1i	304507	2,29	up
6009478	7098544	1123987	2'-5' oligoadenylate synthetase II	Oas1i	304507	2,00	up
6695587	7098544	1123991	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,81	down
5709365	7098544	1123986	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,56	down
6448471	7098544	1123991	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,40	up
6147486	7098544	1123990	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,21	up
6381908	7098544	1123985	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,20	down
6115857	7098544	1123989	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,05	up
6196405	7098544	1123988	2'-5' oligoadenylate synthetase II	Oas1i	304507	1,03	down
5864118	7102456	1133678	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	2,13	up
5786554	7102456	1133677	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,57	up
5769351	7102456	1133680	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,43	down
6638916	7102456	1133679	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,40	up
6604582	7102456	1133676	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,18	up
5672696	7102456	1133681	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,17	down
5973989	7102456	1133676	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,02	down
6725783	7102456	1133681	2'-5' oligoadenylate synthetase 1K	Oas1k	494198	1,01	down
6451268	7075780	1069975	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	2,56	down
6141378	7075780	1069973	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,64	up
5850028	7075780	1069970	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,62	up

6216542	7075780	1069975	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,25	down
6543439	7075780	1069968	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,19	up
5903591	7075780	1069971	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,15	up
5627675	7075780	1069974	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,15	down
5910322	7075780	1069969	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,10	down
5828456	7075780	1069967	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,08	down
5825191	7075780	1069968	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,08	down
5946106	7075780	1069972	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,04	down
6271567	7075780	1069975	2,4-dienoyl CoA reductase 2, peroxisomal	Decr2	64461	1,01	down
6390640	7098547	1124002	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	3,73	down
6426242	7098547	1123998	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	3,41	up
6542543	7098547	1123997	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	2,77	up
6236607	7098547	1124000	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	2,31	down
6275519	7098547	1124003	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	2,21	down
5937137	7098547	1124001	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,20	down
5879969	7098547	1123996	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,06	down
5620428	7098547	1123999	2'-5' oligoadenylate synthetase 1A	Oas1a	192281	1,06	down
6063513	7102451	1133670	2-5 oligoadenylate synthetase 1B	Oas1b	246268	2,70	up
6346138	7102451	1133666	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,77	down
5775546	7102451	1133668	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,31	down
6091554	7102451	1133671	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,09	down
6358784	7102451	1133667	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,09	up
5747176	7102451	1133666	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,07	down
6724804	7102451	1133669	2-5 oligoadenylate synthetase 1B	Oas1b	246268	1,03	down
5696318	7102441	1133637	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	2,11	down
5979118	7102441	1133636	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,30	down
5846825	7102441	1133637	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,29	up
6632389	7102441	1133638	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,19	down
5864058	7102441	1133637	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,15	up
5882472	7102441	1133642	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,12	down
6034364	7102441	1133641	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,08	up
6242705	7102441	1133640	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,05	down
6464771	7102441	1133639	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,05	up
6215122	7102441	1133636	2'-5' oligoadenylate synthetase 1D	Oas1d	304508	1,03	down
5651934	7103001	1135104	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	6,53	down
6056295	7103001	1135098	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	2,09	up
6435093	7103001	1135103	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,60	down
5656665	7103001	1135104	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,59	up
6215854	7103001	1135101	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,28	up
6486269	7103001	1135100	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,20	down
6563387	7103001	1135099	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,15	up
6615309	7103001	1135102	2'-5' oligoadenylate synthetase-like 2	Oas12	304549	1,09	up
6328359	7103432	1136220	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	2,58	down
6108591	7103432	1136215	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,85	up
6252603	7103432	1136219	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,83	up
6517825	7103432	1136222	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,73	down
6337497	7103432	1136213	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,54	up
6251715	7103432	1136218	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,38	down
6564864	7103432	1136213	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,32	down
5733611	7103432	1136214	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,25	down
6172069	7103432	1136221	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,23	down
6218833	7103432	1136212	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,19	down
6701470	7103432	1136217	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,15	down
5854719	7103432	1136216	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,12	down
6127610	7103432	1136212	2'-5'-oligoadenylate synthetase 2, 69/71kDa	Oas2	363938	1,10	down
5644169	7102992	1135089	2'-5'-oligoadenylate synthetase-like	Oasl	304545	2,01	down
6482496	7102992	1135085	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,52	down

5879021	7102992	1135088	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,22	up
6237389	7102992	1135086	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,14	up
6364778	7102992	1135083	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,13	down
6072279	7102992	1135087	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,11	down
5903505	7102992	1135084	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,09	up
5975456	7102992	1135089	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,06	up
6135576	7102992	1135084	2'-5'-oligoadenylate synthetase-like	Oasl	304545	1,05	up
5968974	7211896	1403089	3 beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase type II	Hsd3b	682974	1,27	up
6279239	7211896	1403090	3 beta-hydroxysteroid dehydrogenase/delta-5-delta-4 isomerase type II	Hsd3b	682974	1,08	down
6238512	7279207	1571051	3-oxoacid CoA transferase 2A	Oxct2a	366463	2,61	up
5621988	7279207	1571051	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,60	up
5939630	7279207	1571053	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,37	down
6197080	7279207	1571051	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,36	down
5924895	7279207	1571052	3-oxoacid CoA transferase 2A	Oxct2a	366463	1,04	down
6634040	7120565	1178740	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	2,28	down
5714556	7120565	1178731	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,35	down
5689516	7120565	1178742	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,25	up
6021086	7120565	1178733	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,21	up
5669297	7120565	1178735	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,20	up
6495335	7120565	1178737	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,11	up
5975733	7120565	1178739	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,11	up
6635414	7120565	1178743	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,09	up
6411386	7120565	1178734	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,06	down
5977166	7120565	1178736	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,03	up
6615295	7120565	1178738	4-nitrophenylphosphatase domain and non-neuronal SNAP25-like protein homolog 1 (C. elegans)	Nipsnap1	360971	1,00	up
6090736	7171112	1302524	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	2,28	up
6153161	7171112	1302522	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,48	down
6640519	7171112	1302523	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,15	up
5865612	7171112	1302525	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,12	down
6387483	7171112	1302521	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,11	down
6725860	7171112	1302521	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,04	up
5619380	7171112	1302524	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,04	up
6360730	7171112	1302526	5-hydroxytryptamine (serotonin) receptor 4	Htr4	25324	1,03	up
5730998	7154584	1262105	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	2,50	up
5669460	7154584	1262121	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,91	down
5781411	7154584	1262117	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,53	up
5720087	7154584	1262115	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,46	down
6504485	7154584	1262112	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,34	up
6690693	7154584	1262118	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,26	up
6488624	7154584	1262110	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,21	up
6495892	7154584	1262106	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,20	down
5711692	7154584	1262113	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,14	down
6407482	7154584	1262111	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,10	down
5697838	7154584	1262109	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,09	up
6005324	7154584	1262113	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,09	down
6638684	7154584	1262116	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,06	up
6567969	7154584	1262119	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,05	down
6248099	7154584	1262119	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,03	up
6455025	7154584	1262122	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,02	down
5875782	7154584	1262106	5-methyltetrahydrofolate-homocysteine methyltransferase reductase	Mtrr	290947	1,02	up
6108420	7082672	1085396	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	3,16	down
6584009	7082672	1085397	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,46	down
6130011	7082672	1085391	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,31	up
6248073	7082672	1085399	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,30	up
6277042	7082672	1085400	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,18	down
5859267	7082672	1085394	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,14	down
5775276	7082672	1085393	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,11	down

6618510	7082672	1085395	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,08	down
6708063	7082672	1085398	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,07	up
5968169	7082672	1085392	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,06	down
6105191	7082672	1085401	5'-nucleotidase, cytosolic III-like	Nt5c3l	360629	1,04	down
6610158	7329185	1693629	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,87	up
5968919	7329185	1693625	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,74	up
6370957	7329185	1693635	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,60	up
6494408	7329185	1693624	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,56	up
6488681	7329185	1693646	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,49	up
5636561	7329185	1693627	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,48	down
5678497	7329185	1693645	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,44	down
5970989	7329185	1693646	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,43	up
6407511	7329185	1693626	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,41	down
6064554	7329185	1693627	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,37	down
6013296	7329185	1693639	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,33	up
6576477	7329185	1693643	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,30	up
5936126	7329185	1693636	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,28	down
6294035	7329185	1693642	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,24	down
6491869	7329185	1693620	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,24	up
6679991	7329185	1693623	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,23	down
6205421	7329185	1693644	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,21	down
5973245	7329185	1693641	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,19	down
6490430	7329185	1693638	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,19	down
5734901	7329185	1693640	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,13	down
6474858	7329185	1693637	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,08	up
6664222	7329185	1693622	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,08	up
6521530	7329185	1693621	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,06	up
6684078	7329185	1693632	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,06	down
6186997	7329185	1693631	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,04	up
6132683	7329185	1693634	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,04	up
5641087	7329185	1693630	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,03	up
6650915	7329185	1693628	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,02	up
5636944	7329185	1693633	5-oxoprolinase (ATP-hydrolysing)	Oplah	116684	1,01	down
6115158	7159665	1274322	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	3,86	down
5942631	7159665	1274306	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	2,90	down
6152977	7159665	1274318	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	2,58	up
6181114	7159665	1274321	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	2,48	down
5666908	7159665	1274315	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,85	up
5737247	7159665	1274307	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,75	down
6263159	7159665	1274323	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,65	down
6228567	7159665	1274320	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,56	down
6129802	7159665	1274312	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,50	up
5670352	7159665	1274319	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,46	up
6287777	7159665	1274313	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,36	up
5648566	7159665	1274311	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,35	up
6216325	7159665	1274317	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,32	down
5889366	7159665	1274306	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,30	down
5789613	7159665	1274308	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,22	down
6504948	7159665	1274310	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,20	up
5688951	7159665	1274316	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,14	up
5700872	7159665	1274314	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,13	down
6523159	7159665	1274309	6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 3	Pfkfb3	117276	1,06	up
6700887	7210810	1400935	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	2,34	up
6703677	7210810	1400946	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,98	down
6426258	7210810	1400938	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,62	up
6701240	7210810	1400957	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,58	up
5935986	7210810	1400944	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,56	down

5729196	7210810	1400935	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,54	up
6182607	7210810	1400946	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,52	up
6111755	7210810	1400947	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,48	up
5845523	7210810	1400940	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,48	down
6209776	7210810	1400950	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,32	down
5981079	7210810	1400955	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,29	down
5998598	7210810	1400943	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,28	down
6708646	7210810	1400939	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,28	up
6185194	7210810	1400951	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,26	down
6011889	7210810	1400937	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,25	down
6719593	7210810	1400945	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,22	down
6085510	7210810	1400941	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,21	up
5895819	7210810	1400949	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,17	up
5897752	7210810	1400948	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,16	up
5888472	7210810	1400956	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,15	up
6005070	7210810	1400957	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,15	up
5650716	7210810	1400936	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,14	up
5738985	7210810	1400936	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,14	up
5844104	7210810	1400942	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,13	down
5771980	7210810	1400952	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,13	down
5964536	7210810	1400944	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,11	up
6571466	7210810	1400953	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,09	up
6156682	7210810	1400954	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,07	down
6560522	7210810	1400944	a disintegrin and metallopeptidase domain 15 (metargidin)	Adam15	57025	1,03	down
6377729	7261580	1526745	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,68	down
6566955	7261580	1526758	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,38	down
6653390	7261580	1526746	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,24	up
5904555	7261580	1526763	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,24	down
5695889	7261580	1526759	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,23	down
6405358	7261580	1526762	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,22	down
6443906	7261580	1526765	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,21	up
5802629	7261580	1526755	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,16	up
5672307	7261580	1526754	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,16	down
6543739	7261580	1526751	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,13	up
6167647	7261580	1526757	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,12	down
6203186	7261580	1526747	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,09	up
6103800	7261580	1526749	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,06	down
5742196	7261580	1526752	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,04	up
6572892	7261580	1526748	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,03	up
5872598	7261580	1526761	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,03	up
6691406	7261580	1526756	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,01	up
5969982	7261580	1526764	A kinase (PRKA) anchor protein (yotiao) 9	Akap9	246150	1,00	down
6567780	7026578	952715	A kinase (PRKA) anchor protein 12	Akap12	83425	3,50	down
5916080	7026578	952719	A kinase (PRKA) anchor protein 12	Akap12	83425	2,06	up
6427730	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,93	up
6379541	7026578	952716	A kinase (PRKA) anchor protein 12	Akap12	83425	1,84	down
6313994	7026578	952715	A kinase (PRKA) anchor protein 12	Akap12	83425	1,50	down
6272205	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,46	down
6283187	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,46	up
6396395	7026578	952713	A kinase (PRKA) anchor protein 12	Akap12	83425	1,33	down
6089645	7026578	952713	A kinase (PRKA) anchor protein 12	Akap12	83425	1,27	down
6018267	7026578	952718	A kinase (PRKA) anchor protein 12	Akap12	83425	1,19	up
6039369	7026578	952718	A kinase (PRKA) anchor protein 12	Akap12	83425	1,17	up
6565976	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,10	down
6165531	7026578	952718	A kinase (PRKA) anchor protein 12	Akap12	83425	1,05	down
6680764	7026578	952714	A kinase (PRKA) anchor protein 12	Akap12	83425	1,03	down
6635629	7026578	952717	A kinase (PRKA) anchor protein 12	Akap12	83425	1,01	down

6063099	7275485	1561232	A kinase (PRKA) anchor protein 2	Akap2	298024	2,74	up
6592868	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,84	up
5945636	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,53	down
6190223	7275485	1561231	A kinase (PRKA) anchor protein 2	Akap2	298024	1,43	down
5734643	7275485	1561232	A kinase (PRKA) anchor protein 2	Akap2	298024	1,27	up
5803797	7275485	1561234	A kinase (PRKA) anchor protein 2	Akap2	298024	1,16	down
5653344	7275485	1561235	A kinase (PRKA) anchor protein 2	Akap2	298024	1,12	down
6227700	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,11	up
6010770	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,07	up
6679373	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,06	up
5720544	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,05	down
6126581	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,03	down
6050343	7275485	1561233	A kinase (PRKA) anchor protein 2	Akap2	298024	1,02	down
5889874	7303954	1632434	abhydrolase domain containing 1	Abhd1	313917	2,62	up
5853413	7303954	1632441	abhydrolase domain containing 1	Abhd1	313917	1,59	down
5810314	7303954	1632442	abhydrolase domain containing 1	Abhd1	313917	1,43	down
6438509	7303954	1632433	abhydrolase domain containing 1	Abhd1	313917	1,29	down
6306891	7303954	1632437	abhydrolase domain containing 1	Abhd1	313917	1,20	up
5619084	7303954	1632440	abhydrolase domain containing 1	Abhd1	313917	1,17	down
6394465	7303954	1632438	abhydrolase domain containing 1	Abhd1	313917	1,16	down
5843059	7303954	1632441	abhydrolase domain containing 1	Abhd1	313917	1,15	down
5862387	7303954	1632435	abhydrolase domain containing 1	Abhd1	313917	1,11	up
6615890	7303954	1632439	abhydrolase domain containing 1	Abhd1	313917	1,09	down
6329960	7303954	1632434	abhydrolase domain containing 1	Abhd1	313917	1,08	down
6682124	7303954	1632436	abhydrolase domain containing 1	Abhd1	313917	1,06	down
6192786	7103027	1135211	acetyl-Coenzyme A carboxylase beta	Acacb	116719	2,01	down
6041808	7103027	1135231	acetyl-Coenzyme A carboxylase beta	Acacb	116719	2,01	up
6034010	7103027	1135215	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,96	down
6518268	7103027	1135195	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,94	down
6521092	7103027	1135218	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,68	up
6239277	7103027	1135206	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,67	up
6545824	7103027	1135238	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,59	up
6418074	7103027	1135197	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,56	down
5960373	7103027	1135220	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,50	down
6366153	7103027	1135204	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,45	down
6495898	7103027	1135240	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,44	down
6396753	7103027	1135224	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,44	up
6614966	7103027	1135226	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,38	down
6711875	7103027	1135199	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,38	up
5675944	7103027	1135214	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,32	down
6080897	7103027	1135196	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,29	up
5850662	7103027	1135208	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,28	up
6318391	7103027	1135229	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,28	down
5637877	7103027	1135221	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,27	down
6719243	7103027	1135228	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,27	down
6146914	7103027	1135232	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,24	down
6671364	7103027	1135192	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,24	up
5751103	7103027	1135233	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,24	down
6281133	7103027	1135240	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,22	up
5661294	7103027	1135194	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,21	down
6697809	7103027	1135203	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,16	down
6656928	7103027	1135234	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,16	up
6182056	7103027	1135239	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,14	up
5748458	7103027	1135238	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,13	up
5924657	7103027	1135216	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,13	down
5878665	7103027	1135206	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,11	down
5711451	7103027	1135222	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,10	down

6648824	7103027	1135230	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,10	down
6300298	7103027	1135207	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,09	down
6630656	7103027	1135190	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,09	down
6688882	7103027	1135212	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,09	down
6515599	7103027	1135201	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,09	down
6737245	7103027	1135225	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,08	down
6610683	7103027	1135205	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,08	up
6200744	7103027	1135223	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,08	down
6266072	7103027	1135220	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,07	down
6186442	7103027	1135227	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,07	up
5721708	7103027	1135219	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,06	down
6678061	7103027	1135200	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,06	up
6165862	7103027	1135210	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,06	up
5749714	7103027	1135213	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,05	up
6652794	7103027	1135217	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,04	down
6740959	7103027	1135237	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,03	down
5756773	7103027	1135202	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,03	up
6574023	7103027	1135209	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,01	down
5729856	7103027	1135193	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,01	up
5947918	7103027	1135198	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,01	down
5635096	7103027	1135191	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,01	up
5810389	7103027	1135235	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,00	up
5986378	7103027	1135236	acetyl-Coenzyme A carboxylase beta	Acacb	116719	1,00	down
6362339	7127103	1194295	actin binding LIM protein family, member 2	Ablim2	360958	2,54	up
6057062	7127103	1194299	actin binding LIM protein family, member 2	Ablim2	360958	2,02	down
5650865	7127103	1194293	actin binding LIM protein family, member 2	Ablim2	360958	1,87	up
6469587	7127103	1194307	actin binding LIM protein family, member 2	Ablim2	360958	1,62	up
5699391	7127103	1194306	actin binding LIM protein family, member 2	Ablim2	360958	1,41	up
6412100	7127103	1194305	actin binding LIM protein family, member 2	Ablim2	360958	1,40	down
5820231	7127103	1194297	actin binding LIM protein family, member 2	Ablim2	360958	1,38	down
5830220	7127103	1194299	actin binding LIM protein family, member 2	Ablim2	360958	1,36	up
5959460	7127103	1194296	actin binding LIM protein family, member 2	Ablim2	360958	1,32	down
6193571	7127103	1194292	actin binding LIM protein family, member 2	Ablim2	360958	1,25	down
6511931	7127103	1194298	actin binding LIM protein family, member 2	Ablim2	360958	1,24	down
5830969	7127103	1194300	actin binding LIM protein family, member 2	Ablim2	360958	1,20	up
6378579	7127103	1194304	actin binding LIM protein family, member 2	Ablim2	360958	1,19	up
5854021	7127103	1194301	actin binding LIM protein family, member 2	Ablim2	360958	1,16	down
6032974	7127103	1194294	actin binding LIM protein family, member 2	Ablim2	360958	1,16	up
6374131	7127103	1194302	actin binding LIM protein family, member 2	Ablim2	360958	1,15	down
6639974	7127103	1194291	actin binding LIM protein family, member 2	Ablim2	360958	1,06	up
6137274	7127103	1194303	actin binding LIM protein family, member 2	Ablim2	360958	1,04	down
5930890	7176368	1315597	actin binding LIM protein family, member 3	Ablim3	307395	1,49	down
6711760	7176368	1315559	actin binding LIM protein family, member 3	Ablim3	307395	1,40	up
6309726	7243253	1481236	actin, alpha, cardiac muscle 1	Actc1	29275	2,18	down
6318563	7243253	1481235	actin, alpha, cardiac muscle 1	Actc1	29275	1,47	down
6223516	7243253	1481231	actin, alpha, cardiac muscle 1	Actc1	29275	1,28	up
6544547	7243253	1481230	actin, alpha, cardiac muscle 1	Actc1	29275	1,22	up
6276633	7243253	1481234	actin, alpha, cardiac muscle 1	Actc1	29275	1,16	up
5659483	7243253	1481235	actin, alpha, cardiac muscle 1	Actc1	29275	1,16	up
6351826	7243253	1481229	actin, alpha, cardiac muscle 1	Actc1	29275	1,12	down
6045991	7243253	1481233	actin, alpha, cardiac muscle 1	Actc1	29275	1,11	up
5622270	7243253	1481233	actin, alpha, cardiac muscle 1	Actc1	29275	1,05	down
6291293	7243253	1481236	actin, alpha, cardiac muscle 1	Actc1	29275	1,01	up
6163375	7243253	1481232	actin, alpha, cardiac muscle 1	Actc1	29275	1,00	down
5844530	7115771	1166590	actin, gamma 1	Actg1	287876	1,06	up
6334363	7266571	1538391	actin, gamma 2, smooth muscle, enteric	Actg2	25365	2,21	up
6308722	7266571	1538399	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,81	down

5785704	7266571	1538396	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,70	up
6066317	7266571	1538395	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,66	up
5700523	7266571	1538398	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,56	down
6667831	7266571	1538394	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,38	up
5618001	7266571	1538397	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,18	up
5807894	7266571	1538400	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,11	up
6450895	7266571	1538393	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,07	up
5894614	7266571	1538399	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,01	down
6568307	7266571	1538392	actin, gamma 2, smooth muscle, enteric	Actg2	25365	1,00	down
5808607	7064134	1041422	actin-binding LIM protein 1	Ablim1	307989	1,26	up
6105617	7064134	1041438	actin-binding LIM protein 1	Ablim1	307989	1,21	up
6692455	7064134	1041442	actin-binding LIM protein 1	Ablim1	307989	1,20	up
6687015	7064134	1041423	actin-binding LIM protein 1	Ablim1	307989	1,17	down
6339126	7064134	1041420	actin-binding LIM protein 1	Ablim1	307989	1,15	up
6549708	7064134	1041415	actin-binding LIM protein 1	Ablim1	307989	1,15	up
6223297	7064134	1041428	actin-binding LIM protein 1	Ablim1	307989	1,14	down
5953826	7064134	1041438	actin-binding LIM protein 1	Ablim1	307989	1,14	up
6042115	7064134	1041419	actin-binding LIM protein 1	Ablim1	307989	1,12	up
5689178	7064134	1041414	actin-binding LIM protein 1	Ablim1	307989	1,08	down
6391435	7064134	1041436	actin-binding LIM protein 1	Ablim1	307989	1,08	down
6220311	7064134	1041430	actin-binding LIM protein 1	Ablim1	307989	1,06	down
5989057	7064134	1041418	actin-binding LIM protein 1	Ablim1	307989	1,05	up
6463497	7064134	1041427	actin-binding LIM protein 1	Ablim1	307989	1,05	down
5827823	7064134	1041429	actin-binding LIM protein 1	Ablim1	307989	1,03	down
6741722	7064134	1041417	actin-binding LIM protein 1	Ablim1	307989	1,01	down
6306794	7192902	1357758	actin-like 6A	Actl6a	361925	1,79	down
6438730	7192902	1357752	actin-like 6A	Actl6a	361925	1,71	down
6061409	7192902	1357764	actin-like 6A	Actl6a	361925	1,70	down
6603439	7192902	1357754	actin-like 6A	Actl6a	361925	1,56	up
5940955	7192902	1357751	actin-like 6A	Actl6a	361925	1,27	up
5859384	7192902	1357766	actin-like 6A	Actl6a	361925	1,23	down
5841337	7192902	1357757	actin-like 6A	Actl6a	361925	1,19	up
5886998	7192902	1357762	actin-like 6A	Actl6a	361925	1,18	up
6369130	7192902	1357765	actin-like 6A	Actl6a	361925	1,15	up
6312803	7192902	1357749	actin-like 6A	Actl6a	361925	1,15	down
5876724	7192902	1357766	actin-like 6A	Actl6a	361925	1,10	up
5666514	7192902	1357763	actin-like 6A	Actl6a	361925	1,09	up
5783745	7192902	1357753	actin-like 6A	Actl6a	361925	1,07	up
6085654	7192902	1357759	actin-like 6A	Actl6a	361925	1,02	down
6477006	7120550	1178697	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,70	up
6158947	7120550	1178703	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,67	down
5971662	7120550	1178681	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,34	up
6297403	7120550	1178699	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,29	up
5931299	7120550	1178703	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,28	down
6171827	7120550	1178691	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,25	up
5745745	7120550	1178680	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,19	up
5973865	7120550	1178696	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,17	up
5904717	7120550	1178675	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,16	up
6052068	7120550	1178702	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,15	up
6654131	7120550	1178700	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,15	down
6310846	7120550	1178694	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,14	down
6525701	7120550	1178703	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,13	up
6455176	7120550	1178685	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,10	down
6310652	7120550	1178693	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,09	up
6065123	7120550	1178686	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,08	down
6128741	7120550	1178677	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,08	down
6143124	7120550	1178682	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,04	up

5964055	7120550	1178701	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,04	down
5623749	7120550	1178690	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,03	up
6503190	7120550	1178692	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,03	down
6631716	7120550	1178687	activating signal cointegrator 1 complex subunit 2	Ascc2	498402	1,03	up
5847261	7259221	1520628	activating transcription factor 7 interacting protein	Atf7ip	312800	2,35	down
6698614	7259221	1520619	activating transcription factor 7 interacting protein	Atf7ip	312800	1,58	down
5940203	7259221	1520621	activating transcription factor 7 interacting protein	Atf7ip	312800	1,23	up
6309099	7259221	1520624	activating transcription factor 7 interacting protein	Atf7ip	312800	1,13	down
6533881	7259221	1520627	activating transcription factor 7 interacting protein	Atf7ip	312800	1,12	up
6299790	7259221	1520622	activating transcription factor 7 interacting protein	Atf7ip	312800	1,12	up
6255262	7259221	1520626	activating transcription factor 7 interacting protein	Atf7ip	312800	1,11	down
6581704	7259221	1520627	activating transcription factor 7 interacting protein	Atf7ip	312800	1,10	down
6361529	7259221	1520618	activating transcription factor 7 interacting protein	Atf7ip	312800	1,06	down
6330381	7259221	1520622	activating transcription factor 7 interacting protein	Atf7ip	312800	1,06	down
5824065	7259221	1520618	activating transcription factor 7 interacting protein	Atf7ip	312800	1,06	down
5848705	7259221	1520625	activating transcription factor 7 interacting protein	Atf7ip	312800	1,00	down
6461886	7320875	1674486	activin A receptor type II-like 1	Acvr1l	25237	2,30	down
6728727	7320875	1674496	activin A receptor type II-like 1	Acvr1l	25237	1,63	up
5906254	7320875	1674489	activin A receptor type II-like 1	Acvr1l	25237	1,59	down
6290228	7320875	1674486	activin A receptor type II-like 1	Acvr1l	25237	1,55	down
6717175	7320875	1674496	activin A receptor type II-like 1	Acvr1l	25237	1,50	down
6706907	7320875	1674497	activin A receptor type II-like 1	Acvr1l	25237	1,42	up
6493152	7320875	1674496	activin A receptor type II-like 1	Acvr1l	25237	1,40	down
6032294	7320875	1674496	activin A receptor type II-like 1	Acvr1l	25237	1,33	down
6330185	7320875	1674492	activin A receptor type II-like 1	Acvr1l	25237	1,23	up
5887998	7320875	1674485	activin A receptor type II-like 1	Acvr1l	25237	1,22	down
6059289	7320875	1674494	activin A receptor type II-like 1	Acvr1l	25237	1,21	up
5905754	7320875	1674484	activin A receptor type II-like 1	Acvr1l	25237	1,14	up
6208984	7320875	1674484	activin A receptor type II-like 1	Acvr1l	25237	1,13	up
6411582	7320875	1674488	activin A receptor type II-like 1	Acvr1l	25237	1,13	up
6619643	7320875	1674490	activin A receptor type II-like 1	Acvr1l	25237	1,12	down
6254818	7320875	1674487	activin A receptor type II-like 1	Acvr1l	25237	1,09	down
6038926	7320875	1674493	activin A receptor type II-like 1	Acvr1l	25237	1,06	down
6521907	7320875	1674488	activin A receptor type II-like 1	Acvr1l	25237	1,04	up
6210692	7320875	1674495	activin A receptor type II-like 1	Acvr1l	25237	1,04	up
6599185	7320875	1674496	activin A receptor type II-like 1	Acvr1l	25237	1,03	up
5700747	7320875	1674491	activin A receptor type II-like 1	Acvr1l	25237	1,01	down
5990747	7239196	1471579	activin A receptor, type I	Acvr1	79558	2,08	down
6092675	7239196	1471577	activin A receptor, type I	Acvr1	79558	1,91	down
5787510	7239196	1471572	activin A receptor, type I	Acvr1	79558	1,60	down
5628756	7239196	1471572	activin A receptor, type I	Acvr1	79558	1,46	up
5897803	7239196	1471580	activin A receptor, type I	Acvr1	79558	1,28	down
6325303	7239196	1471575	activin A receptor, type I	Acvr1	79558	1,25	up
5648670	7239196	1471573	activin A receptor, type I	Acvr1	79558	1,25	down
6693926	7239196	1471576	activin A receptor, type I	Acvr1	79558	1,22	up
6506163	7239196	1471578	activin A receptor, type I	Acvr1	79558	1,09	down
6324467	7239196	1471574	activin A receptor, type I	Acvr1	79558	1,05	up
6623095	7239196	1471579	activin A receptor, type I	Acvr1	79558	1,04	up
6626885	7239196	1471579	activin A receptor, type I	Acvr1	79558	1,02	down
6511940	7239196	1471576	activin A receptor, type I	Acvr1	79558	1,01	up
5672711	7081748	1083337	acyl-CoA synthetase family member 2	Acsf2	619561	2,13	up
6381000	7081748	1083349	acyl-CoA synthetase family member 2	Acsf2	619561	1,59	down
5905567	7081748	1083336	acyl-CoA synthetase family member 2	Acsf2	619561	1,46	down
6726971	7081748	1083347	acyl-CoA synthetase family member 2	Acsf2	619561	1,27	down
6395472	7081748	1083342	acyl-CoA synthetase family member 2	Acsf2	619561	1,23	down
6480623	7081748	1083358	acyl-CoA synthetase family member 2	Acsf2	619561	1,21	down
6216988	7081748	1083349	acyl-CoA synthetase family member 2	Acsf2	619561	1,20	up

5888548	7081748	1083344	acyl-CoA synthetase family member 2	Acsf2	619561	1,19	up
5912545	7081748	1083353	acyl-CoA synthetase family member 2	Acsf2	619561	1,17	down
6453126	7081748	1083352	acyl-CoA synthetase family member 2	Acsf2	619561	1,16	down
6388684	7081748	1083355	acyl-CoA synthetase family member 2	Acsf2	619561	1,15	down
6365148	7081748	1083350	acyl-CoA synthetase family member 2	Acsf2	619561	1,13	down
6509407	7081748	1083354	acyl-CoA synthetase family member 2	Acsf2	619561	1,12	down
6302614	7081748	1083341	acyl-CoA synthetase family member 2	Acsf2	619561	1,12	down
5948903	7081748	1083340	acyl-CoA synthetase family member 2	Acsf2	619561	1,09	down
5988218	7081748	1083348	acyl-CoA synthetase family member 2	Acsf2	619561	1,09	up
5736905	7081748	1083357	acyl-CoA synthetase family member 2	Acsf2	619561	1,08	up
6198363	7081748	1083351	acyl-CoA synthetase family member 2	Acsf2	619561	1,07	down
6619568	7081748	1083339	acyl-CoA synthetase family member 2	Acsf2	619561	1,06	down
6279788	7081748	1083338	acyl-CoA synthetase family member 2	Acsf2	619561	1,00	up
5937196	7247817	1492006	acyl-CoA thioesterase 8	Acot8	170588	2,17	up
5839203	7247817	1492010	acyl-CoA thioesterase 8	Acot8	170588	1,98	down
6118815	7247817	1492009	acyl-CoA thioesterase 8	Acot8	170588	1,32	up
6546299	7247817	1492008	acyl-CoA thioesterase 8	Acot8	170588	1,18	up
6475245	7247817	1492005	acyl-CoA thioesterase 8	Acot8	170588	1,12	down
6299947	7247817	1492010	acyl-CoA thioesterase 8	Acot8	170588	1,09	up
6001054	7247817	1492005	acyl-CoA thioesterase 8	Acot8	170588	1,08	down
6245672	7247817	1492007	acyl-CoA thioesterase 8	Acot8	170588	1,03	up
6367742	7058149	1027311	ADAM metallopeptidase domain 12	Adam12	679837	1,59	down
6687697	7305030	1635030	ADAM metallopeptidase domain 17	Adam17	57027	4,16	down
6667859	7305030	1635034	ADAM metallopeptidase domain 17	Adam17	57027	1,58	down
6075687	7305030	1635047	ADAM metallopeptidase domain 17	Adam17	57027	1,53	down
6013104	7305030	1635029	ADAM metallopeptidase domain 17	Adam17	57027	1,50	up
5889071	7305030	1635028	ADAM metallopeptidase domain 17	Adam17	57027	1,43	down
6636088	7305030	1635039	ADAM metallopeptidase domain 17	Adam17	57027	1,25	down
6315945	7305030	1635041	ADAM metallopeptidase domain 17	Adam17	57027	1,23	up
5748860	7305030	1635040	ADAM metallopeptidase domain 17	Adam17	57027	1,20	down
6015830	7305030	1635031	ADAM metallopeptidase domain 17	Adam17	57027	1,19	down
6191108	7305030	1635033	ADAM metallopeptidase domain 17	Adam17	57027	1,18	up
6102773	7305030	1635042	ADAM metallopeptidase domain 17	Adam17	57027	1,18	up
5622829	7305030	1635044	ADAM metallopeptidase domain 17	Adam17	57027	1,17	up
6525177	7305030	1635045	ADAM metallopeptidase domain 17	Adam17	57027	1,11	down
5797415	7305030	1635032	ADAM metallopeptidase domain 17	Adam17	57027	1,10	down
6444347	7305030	1635047	ADAM metallopeptidase domain 17	Adam17	57027	1,09	down
6657066	7305030	1635046	ADAM metallopeptidase domain 17	Adam17	57027	1,09	up
6213050	7305030	1635037	ADAM metallopeptidase domain 17	Adam17	57027	1,09	down
6088127	7305030	1635043	ADAM metallopeptidase domain 17	Adam17	57027	1,04	up
5905395	7305030	1635038	ADAM metallopeptidase domain 17	Adam17	57027	1,04	up
6627896	7305030	1635035	ADAM metallopeptidase domain 17	Adam17	57027	1,01	up
6500463	7305030	1635036	ADAM metallopeptidase domain 17	Adam17	57027	1,00	up
6460283	7146964	1243204	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	2,37	down
6659604	7146964	1243207	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,91	up
6423354	7146964	1243200	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,63	up
6565324	7146964	1243212	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,60	down
5715313	7146964	1243208	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,48	down
6065540	7146964	1243209	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,44	down
6615141	7146964	1243201	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,38	up
6455689	7146964	1243216	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,33	down
6104670	7146964	1243218	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,33	down
6043436	7146964	1243215	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,27	up
6582653	7146964	1243213	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,25	up
5930916	7146964	1243217	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,22	up
6610402	7146964	1243219	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,14	up
5797536	7146964	1243206	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,11	down

6716575	7146964	1243205	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,10	up
6352511	7146964	1243213	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,09	up
6362527	7146964	1243216	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,09	up
6280411	7146964	1243208	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,09	down
6407654	7146964	1243200	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,08	down
6464988	7146964	1243211	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,07	up
6395699	7146964	1243203	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,06	down
6346082	7146964	1243214	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,06	up
6098452	7146964	1243210	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,06	down
5647716	7146964	1243202	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,05	up
6464572	7146964	1243200	ADAM metallopeptidase domain 3A (cyritestin 1)	Adam3a	57021	1,01	down
6334601	7170845	1301893	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	2,41	up
6108954	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,91	up
6685081	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,86	down
5960244	7170845	1301851	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,80	down
6606149	7170845	1301865	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,65	up
6422011	7170845	1301863	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,60	down
5826985	7170845	1301887	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,48	down
6431355	7170845	1301880	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,42	down
5937768	7170845	1301851	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,41	up
6506654	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,32	up
6618109	7170845	1301882	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,20	down
6112386	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,20	down
6370456	7170845	1301909	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,20	down
5852467	7170845	1301909	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,19	down
6221855	7170845	1301910	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,19	up
5811465	7170845	1301890	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,12	up
5736941	7170845	1301871	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,08	up
6631347	7170845	1301904	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,08	up
6567457	7170845	1301876	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,06	down
6226015	7170845	1301862	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,05	down
6369979	7170845	1301867	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,05	down
5928867	7170845	1301884	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,05	up
6064018	7170845	1301902	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,04	down
6000458	7170845	1301858	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,03	up
6553930	7170845	1301889	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,02	down
6499757	7170845	1301852	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,02	up
6563008	7170845	1301860	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,01	up
6066535	7170845	1301900	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,01	up
5752884	7170845	1301874	ADAM metallopeptidase with thrombospondin type 1 motif, 19	Adamts19	361332	1,00	down
5660563	7189184	1347572	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	2,00	up
5840588	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	2,00	down
6178464	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,80	up
5727536	7189184	1347595	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,68	up
6155553	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,63	down
5867399	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,59	up
6129623	7189184	1347617	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,58	down
6454457	7189184	1347587	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,57	up
6077020	7189184	1347586	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,56	up
6162342	7189184	1347612	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,55	down
6653855	7189184	1347575	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,50	down
5619445	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,48	up
6026304	7189184	1347617	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,42	down
6030370	7189184	1347581	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,36	up
6276211	7189184	1347590	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,35	up
5675496	7189184	1347583	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,33	down
6117210	7189184	1347588	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,30	down

6524293	7189184	1347588	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,29	down
6622888	7189184	1347574	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,25	down
6707443	7189184	1347599	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,24	down
5911988	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,23	down
5725781	7189184	1347578	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,21	down
6418051	7189184	1347598	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,21	down
6046553	7189184	1347592	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,21	up
6481982	7189184	1347611	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,16	up
5715081	7189184	1347572	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,15	up
6255030	7189184	1347573	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,14	up
6409605	7189184	1347616	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,11	down
5624631	7189184	1347573	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,11	down
6427885	7189184	1347597	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,10	down
5864955	7189184	1347594	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,10	up
5855702	7189184	1347579	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,06	up
6298168	7189184	1347609	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,03	down
5632620	7189184	1347570	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,03	up
6530646	7189184	1347591	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,01	up
6007909	7189184	1347601	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,01	up
5622841	7189184	1347600	ADAM metallopeptidase with thrombospondin type 1 motif, 6	Adamts6	361886	1,00	down
6570927	7312532	1653218	ADAMTS-like 5	Adamts15	314626	1,46	down
6209335	7312532	1653220	ADAMTS-like 5	Adamts15	314626	1,43	down
6659364	7312532	1653219	ADAMTS-like 5	Adamts15	314626	1,36	down
6204701	7312532	1653217	ADAMTS-like 5	Adamts15	314626	1,34	up
5668341	7312532	1653217	ADAMTS-like 5	Adamts15	314626	1,29	up
6244911	7312532	1653213	ADAMTS-like 5	Adamts15	314626	1,04	down
6330258	7312532	1653220	ADAMTS-like 5	Adamts15	314626	1,02	up
6473044	7312532	1653216	ADAMTS-like 5	Adamts15	314626	1,01	up
5964931	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	3,02	up
5921747	7180943	1327453	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,53	up
6331058	7180943	1327466	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,43	up
6374013	7180943	1327460	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,36	down
5638184	7180943	1327459	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,33	down
5760842	7180943	1327468	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,30	down
6576647	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,23	down
6089128	7180943	1327457	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,22	up
5836494	7180943	1327467	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,22	down
6172384	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,18	down
6062326	7180943	1327454	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,17	up
5825106	7180943	1327457	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,16	down
6316899	7180943	1327461	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,16	down
5924718	7180943	1327452	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,15	up
6315828	7180943	1327463	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,15	down
6313737	7180943	1327462	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,12	up
6079323	7180943	1327450	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,10	up
5793027	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,09	down
6156399	7180943	1327458	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,09	down
5974718	7180943	1327452	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,07	up
5787755	7180943	1327451	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,07	up
5770665	7180943	1327447	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,07	up
6291658	7180943	1327455	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,07	down
6133850	7180943	1327469	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,06	down
6355748	7180943	1327449	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,04	up
6265378	7180943	1327464	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,03	up
6342903	7180943	1327465	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,01	down
6600911	7180943	1327450	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,01	down
6380079	7180943	1327456	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,00	down

5687229	7180943	1327466	adaptor-related protein complex 1, gamma 1 subunit	Ap1g1	171494	1,00	up
6354477	7095081	1115334	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,47	up
6470639	7095081	1115324	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,26	down
6313727	7095081	1115331	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,23	down
5974306	7095081	1115329	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,17	down
6541704	7095081	1115332	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,16	down
5650882	7095081	1115333	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,13	up
5862963	7095081	1115325	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,07	up
6535624	7095081	1115334	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,04	up
5666345	7095081	1115324	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,03	down
6313775	7095081	1115328	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,02	down
5850180	7095081	1115325	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,02	up
5827265	7095081	1115326	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,02	down
6373420	7095081	1115327	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,01	down
6494931	7095081	1115330	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,01	up
6270687	7095081	1115324	adaptor-related protein complex 2, mu 1 subunit	Ap2m1	116563	1,00	down
6600090	7217639	1417147	adenosine deaminase, RNA-specific, B1	Adarb1	25367	2,10	down
5794875	7217639	1417146	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,68	down
6200011	7217639	1417145	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,48	up
6331952	7217639	1417141	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,43	down
6342249	7217639	1417142	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,28	up
6664089	7217639	1417140	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,28	up
5779546	7217639	1417144	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,18	up
6625769	7217639	1417148	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,16	up
5896028	7217639	1417144	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,12	down
6736965	7217639	1417140	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,11	up
6522400	7217639	1417147	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,08	up
6423752	7217639	1417143	adenosine deaminase, RNA-specific, B1	Adarb1	25367	1,01	down
6427824	7212698	1404869	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,78	down
6371594	7212698	1404862	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,33	down
6178362	7212698	1404864	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,30	down
5956996	7212698	1404852	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,25	down
6094255	7212698	1404866	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,24	down
5831979	7212698	1404859	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,20	down
5838478	7212698	1404857	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,20	down
6001284	7212698	1404853	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,17	down
6437591	7212698	1404863	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,15	down
6078598	7212698	1404856	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,15	down
5712271	7212698	1404861	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,14	up
6613623	7212698	1404867	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,14	up
5949695	7212698	1404865	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,12	down
6377619	7212698	1404858	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,09	down
5860245	7212698	1404860	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,09	up
5942920	7212698	1404863	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,06	up
6309420	7212698	1404854	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,06	up
6103479	7212698	1404857	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,01	down
5991884	7212698	1404855	adenosine monophosphate deaminase 2 (isoform L)	Ampd2	362015	1,00	up
6117587	7035439	974518	adenosine monophosphate deaminase 3	Ampd3	25095	2,36	up
6159958	7035439	974522	adenosine monophosphate deaminase 3	Ampd3	25095	1,92	down
6323337	7035439	974524	adenosine monophosphate deaminase 3	Ampd3	25095	1,69	up
5793062	7035439	974525	adenosine monophosphate deaminase 3	Ampd3	25095	1,67	up
6142147	7035439	974517	adenosine monophosphate deaminase 3	Ampd3	25095	1,63	down
5890536	7035439	974527	adenosine monophosphate deaminase 3	Ampd3	25095	1,51	down
6429091	7035439	974521	adenosine monophosphate deaminase 3	Ampd3	25095	1,30	up
5940864	7035439	974520	adenosine monophosphate deaminase 3	Ampd3	25095	1,28	down
6062165	7035439	974526	adenosine monophosphate deaminase 3	Ampd3	25095	1,22	down
6177078	7035439	974523	adenosine monophosphate deaminase 3	Ampd3	25095	1,21	down

5998261	7035439	974518	adenosine monophosphate deaminase 3	Ampd3	25095	1,17	down
6134958	7035439	974519	adenosine monophosphate deaminase 3	Ampd3	25095	1,16	down
5640590	7035439	974517	adenosine monophosphate deaminase 3	Ampd3	25095	1,16	down
6390974	7035439	974529	adenosine monophosphate deaminase 3	Ampd3	25095	1,15	down
5989487	7035439	974528	adenosine monophosphate deaminase 3	Ampd3	25095	1,15	up
5984708	7035439	974530	adenosine monophosphate deaminase 3	Ampd3	25095	1,13	down
5630337	7035439	974528	adenosine monophosphate deaminase 3	Ampd3	25095	1,11	up
5656838	7035439	974531	adenosine monophosphate deaminase 3	Ampd3	25095	1,00	down
6380030	7120827	1179349	adenylate cyclase 1 (brain)	Adcy1	305509	1,79	up
6237884	7120827	1179347	adenylate cyclase 1 (brain)	Adcy1	305509	1,69	up
6565636	7120827	1179344	adenylate cyclase 1 (brain)	Adcy1	305509	1,62	down
6114134	7120827	1179325	adenylate cyclase 1 (brain)	Adcy1	305509	1,41	up
5864537	7120827	1179301	adenylate cyclase 1 (brain)	Adcy1	305509	1,40	down
5926080	7120827	1179332	adenylate cyclase 1 (brain)	Adcy1	305509	1,38	down
6051396	7120827	1179317	adenylate cyclase 1 (brain)	Adcy1	305509	1,37	up
5971454	7120827	1179329	adenylate cyclase 1 (brain)	Adcy1	305509	1,37	down
6087249	7120827	1179324	adenylate cyclase 1 (brain)	Adcy1	305509	1,36	down
6664250	7120827	1179340	adenylate cyclase 1 (brain)	Adcy1	305509	1,34	up
5732850	7120827	1179343	adenylate cyclase 1 (brain)	Adcy1	305509	1,34	down
5837466	7120827	1179306	adenylate cyclase 1 (brain)	Adcy1	305509	1,30	down
5992479	7120827	1179349	adenylate cyclase 1 (brain)	Adcy1	305509	1,27	up
6050307	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,27	down
6455171	7120827	1179328	adenylate cyclase 1 (brain)	Adcy1	305509	1,26	down
6070511	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,24	up
6726064	7120827	1179323	adenylate cyclase 1 (brain)	Adcy1	305509	1,19	up
6178534	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,18	up
6326124	7120827	1179313	adenylate cyclase 1 (brain)	Adcy1	305509	1,13	down
6192535	7120827	1179334	adenylate cyclase 1 (brain)	Adcy1	305509	1,10	up
5903240	7120827	1179349	adenylate cyclase 1 (brain)	Adcy1	305509	1,08	up
6465347	7120827	1179333	adenylate cyclase 1 (brain)	Adcy1	305509	1,07	down
5740295	7120827	1179311	adenylate cyclase 1 (brain)	Adcy1	305509	1,05	up
6687466	7120827	1179327	adenylate cyclase 1 (brain)	Adcy1	305509	1,05	down
5676370	7120827	1179311	adenylate cyclase 1 (brain)	Adcy1	305509	1,04	down
6510984	7120827	1179341	adenylate cyclase 1 (brain)	Adcy1	305509	1,02	up
6025810	7295800	1610637	adenylate cyclase 3	Adcy3	64508	2,30	down
6022214	7295800	1610644	adenylate cyclase 3	Adcy3	64508	2,06	up
5853488	7295800	1610639	adenylate cyclase 3	Adcy3	64508	1,92	up
6024860	7295800	1610643	adenylate cyclase 3	Adcy3	64508	1,53	up
5801033	7295800	1610634	adenylate cyclase 3	Adcy3	64508	1,53	up
5682020	7295800	1610625	adenylate cyclase 3	Adcy3	64508	1,37	down
6163244	7295800	1610625	adenylate cyclase 3	Adcy3	64508	1,32	down
5716510	7295800	1610635	adenylate cyclase 3	Adcy3	64508	1,29	down
6598605	7295800	1610638	adenylate cyclase 3	Adcy3	64508	1,26	up
6019482	7295800	1610630	adenylate cyclase 3	Adcy3	64508	1,21	up
6270863	7295800	1610625	adenylate cyclase 3	Adcy3	64508	1,20	down
6719872	7295800	1610642	adenylate cyclase 3	Adcy3	64508	1,18	down
6261759	7295800	1610632	adenylate cyclase 3	Adcy3	64508	1,17	down
6475132	7295800	1610638	adenylate cyclase 3	Adcy3	64508	1,13	up
6390180	7295800	1610629	adenylate cyclase 3	Adcy3	64508	1,10	down
6368843	7295800	1610646	adenylate cyclase 3	Adcy3	64508	1,08	down
6315057	7295800	1610627	adenylate cyclase 3	Adcy3	64508	1,07	down
6248464	7295800	1610633	adenylate cyclase 3	Adcy3	64508	1,06	up
6674409	7295800	1610626	adenylate cyclase 3	Adcy3	64508	1,06	up
5842191	7295800	1610640	adenylate cyclase 3	Adcy3	64508	1,06	down
5669832	7295800	1610636	adenylate cyclase 3	Adcy3	64508	1,05	down
5721311	7295800	1610645	adenylate cyclase 3	Adcy3	64508	1,04	up
6487179	7295800	1610624	adenylate cyclase 3	Adcy3	64508	1,04	down

6596490	7295800	1610628	adenylate cyclase 3	Adcy3	64508	1,03	down
6144642	7295800	1610631	adenylate cyclase 3	Adcy3	64508	1,02	down
5972230	7295800	1610641	adenylate cyclase 3	Adcy3	64508	1,00	up
6017902	7093853	1112300	adenylate cyclase 5	Adcy5	64532	2,22	down
5884158	7093853	1112288	adenylate cyclase 5	Adcy5	64532	2,11	down
6683858	7093853	1112300	adenylate cyclase 5	Adcy5	64532	1,53	up
5989120	7093853	1112280	adenylate cyclase 5	Adcy5	64532	1,48	down
6334293	7093853	1112296	adenylate cyclase 5	Adcy5	64532	1,40	down
5701111	7093853	1112291	adenylate cyclase 5	Adcy5	64532	1,33	up
5657871	7093853	1112289	adenylate cyclase 5	Adcy5	64532	1,27	down
6515435	7093853	1112299	adenylate cyclase 5	Adcy5	64532	1,27	up
5898624	7093853	1112281	adenylate cyclase 5	Adcy5	64532	1,24	down
6172291	7093853	1112295	adenylate cyclase 5	Adcy5	64532	1,23	down
5629245	7093853	1112298	adenylate cyclase 5	Adcy5	64532	1,22	up
6244713	7093853	1112285	adenylate cyclase 5	Adcy5	64532	1,22	down
6561860	7093853	1112286	adenylate cyclase 5	Adcy5	64532	1,20	up
6053850	7093853	1112290	adenylate cyclase 5	Adcy5	64532	1,19	down
5930320	7093853	1112284	adenylate cyclase 5	Adcy5	64532	1,17	down
5931331	7093853	1112293	adenylate cyclase 5	Adcy5	64532	1,16	up
6444242	7093853	1112287	adenylate cyclase 5	Adcy5	64532	1,16	up
5702554	7093853	1112281	adenylate cyclase 5	Adcy5	64532	1,13	down
6044603	7093853	1112282	adenylate cyclase 5	Adcy5	64532	1,12	up
5682171	7093853	1112297	adenylate cyclase 5	Adcy5	64532	1,09	down
6731761	7093853	1112301	adenylate cyclase 5	Adcy5	64532	1,07	up
5732284	7093853	1112283	adenylate cyclase 5	Adcy5	64532	1,07	down
6559404	7093853	1112294	adenylate cyclase 5	Adcy5	64532	1,06	up
6200047	7093853	1112292	adenylate cyclase 5	Adcy5	64532	1,04	up
5967970	7093853	1112300	adenylate cyclase 5	Adcy5	64532	1,03	down
6396872	7093853	1112300	adenylate cyclase 5	Adcy5	64532	1,01	up
6003054	7093853	1112280	adenylate cyclase 5	Adcy5	64532	1,00	down
6150674	7279784	1572508	adenylate kinase 2	Ak2	24184	2,48	up
5841993	7279784	1572514	adenylate kinase 2	Ak2	24184	1,52	down
5639772	7279784	1572511	adenylate kinase 2	Ak2	24184	1,42	up
6347600	7279784	1572513	adenylate kinase 2	Ak2	24184	1,20	down
6725014	7279784	1572512	adenylate kinase 2	Ak2	24184	1,14	down
6671909	7279784	1572509	adenylate kinase 2	Ak2	24184	1,13	down
6585271	7279784	1572510	adenylate kinase 2	Ak2	24184	1,12	up
6439364	7277738	1567143	adenylate kinase 3-like 1	Ak311	29223	3,92	down
5952112	7277738	1567149	adenylate kinase 3-like 1	Ak311	29223	1,76	down
6586292	7277738	1567147	adenylate kinase 3-like 1	Ak311	29223	1,52	down
5774829	7277738	1567144	adenylate kinase 3-like 1	Ak311	29223	1,23	up
6214954	7277738	1567148	adenylate kinase 3-like 1	Ak311	29223	1,21	down
6629164	7277738	1567145	adenylate kinase 3-like 1	Ak311	29223	1,15	up
5714837	7277738	1567147	adenylate kinase 3-like 1	Ak311	29223	1,06	down
6746468	7277738	1567146	adenylate kinase 3-like 1	Ak311	29223	1,06	up
6566542	7335637	1708462	adhesion molecule, interacts with CXADR antigen 1	Amica1	315610	1,40	down
5891084	7105289	1140773	adiponectin receptor 1	Adipor1	289036	2,17	down
6253177	7105289	1140772	adiponectin receptor 1	Adipor1	289036	1,42	up
6234150	7105289	1140778	adiponectin receptor 1	Adipor1	289036	1,19	up
6098719	7105289	1140771	adiponectin receptor 1	Adipor1	289036	1,17	up
5781502	7105289	1140774	adiponectin receptor 1	Adipor1	289036	1,14	up
6263585	7105289	1140773	adiponectin receptor 1	Adipor1	289036	1,12	down
6252984	7105289	1140777	adiponectin receptor 1	Adipor1	289036	1,06	down
6278141	7105289	1140778	adiponectin receptor 1	Adipor1	289036	1,06	down
6355997	7105289	1140775	adiponectin receptor 1	Adipor1	289036	1,04	down
5734268	7105289	1140778	adiponectin receptor 1	Adipor1	289036	1,01	down
5721237	7105289	1140776	adiponectin receptor 1	Adipor1	289036	1,01	up

6300511	7236343	1464191	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	2,45	down
6645304	7236343	1464201	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,74	down
6503795	7236343	1464201	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,40	down
6171302	7236343	1464195	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,40	up
5868829	7236343	1464201	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,26	down
5971534	7236343	1464193	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,19	down
6114393	7236343	1464196	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,18	up
6186993	7236343	1464194	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,17	up
5724646	7236343	1464203	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,10	up
6580692	7236343	1464197	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,07	up
6409187	7236343	1464202	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,06	up
5776523	7236343	1464198	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,05	up
6488817	7236343	1464201	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,04	up
5807055	7236343	1464201	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,03	up
6659628	7236343	1464199	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,03	down
6729536	7236343	1464200	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,02	down
5918089	7236343	1464192	ADP-ribosylation factor GTPase activating protein 1	Arfgap1	246310	1,00	up
6150860	7369781	1795038	ADP-ribosylation factor-like 13B	Arl13b	304037	2,17	down
5972866	7369781	1795031	ADP-ribosylation factor-like 13B	Arl13b	304037	2,15	up
6338455	7369781	1795029	ADP-ribosylation factor-like 13B	Arl13b	304037	1,90	up
6568790	7369781	1795035	ADP-ribosylation factor-like 13B	Arl13b	304037	1,36	up
5879365	7369781	1795030	ADP-ribosylation factor-like 13B	Arl13b	304037	1,35	down
6314542	7369781	1795027	ADP-ribosylation factor-like 13B	Arl13b	304037	1,21	down
6088616	7369781	1795038	ADP-ribosylation factor-like 13B	Arl13b	304037	1,17	down
5767839	7369781	1795028	ADP-ribosylation factor-like 13B	Arl13b	304037	1,12	up
6336936	7369781	1795032	ADP-ribosylation factor-like 13B	Arl13b	304037	1,10	up
6590033	7369781	1795036	ADP-ribosylation factor-like 13B	Arl13b	304037	1,03	down
6223895	7369781	1795025	ADP-ribosylation factor-like 13B	Arl13b	304037	1,02	up
6251070	7160453	1276369	ADP-ribosylation factor-like 5B	Arl5b	364788	3,61	up
5709799	7160453	1276370	ADP-ribosylation factor-like 5B	Arl5b	364788	1,27	down
6196915	7160453	1276367	ADP-ribosylation factor-like 5B	Arl5b	364788	1,26	down
5989881	7160453	1276365	ADP-ribosylation factor-like 5B	Arl5b	364788	1,21	up
5619996	7160453	1276369	ADP-ribosylation factor-like 5B	Arl5b	364788	1,18	up
6400060	7160453	1276368	ADP-ribosylation factor-like 5B	Arl5b	364788	1,13	up
5829878	7160453	1276366	ADP-ribosylation factor-like 5B	Arl5b	364788	1,07	down
6267033	7160453	1276370	ADP-ribosylation factor-like 5B	Arl5b	364788	1,06	down
5772837	7105375	1140962	ADP-ribosylation factor-like 8A	Arl8a	498234	4,05	down
5879878	7105375	1140967	ADP-ribosylation factor-like 8A	Arl8a	498234	1,34	up
6281000	7105375	1140965	ADP-ribosylation factor-like 8A	Arl8a	498234	1,26	up
6507629	7105375	1140968	ADP-ribosylation factor-like 8A	Arl8a	498234	1,15	up
6549266	7105375	1140964	ADP-ribosylation factor-like 8A	Arl8a	498234	1,13	up
6672387	7105375	1140963	ADP-ribosylation factor-like 8A	Arl8a	498234	1,09	down
5802298	7105375	1140966	ADP-ribosylation factor-like 8A	Arl8a	498234	1,05	up
6574963	7105375	1140962	ADP-ribosylation factor-like 8A	Arl8a	498234	1,05	down
5775851	7105375	1140968	ADP-ribosylation factor-like 8A	Arl8a	498234	1,04	up
6733914	7245118	1485651	adrenergic, alpha-1D-, receptor	Adra1d	29413	2,10	up
5640185	7245118	1485652	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,80	down
5742033	7245118	1485652	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,21	down
6615964	7245118	1485650	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,20	down
6145353	7245118	1485653	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,12	up
6398445	7245118	1485653	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,11	down
6540916	7245118	1485653	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,11	down
6212543	7245118	1485652	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,08	down
6663635	7245118	1485653	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,07	up
5972128	7245118	1485651	adrenergic, alpha-1D-, receptor	Adra1d	29413	1,04	up
6198700	7319785	1671896	adrenomedullin 2	Adm2	399475	2,16	up
6743144	7319785	1671893	adrenomedullin 2	Adm2	399475	1,35	down

6663844	7319785	1671896	adrenomedullin 2	Adm2	399475	1,25	up
6484671	7319785	1671894	adrenomedullin 2	Adm2	399475	1,18	up
6509790	7319785	1671895	adrenomedullin 2	Adm2	399475	1,16	up
6675710	7319785	1671895	adrenomedullin 2	Adm2	399475	1,10	down
5698540	7319785	1671895	adrenomedullin 2	Adm2	399475	1,02	down
5934295	7319785	1671893	adrenomedullin 2	Adm2	399475	1,00	down
6326835	7128704	1198032	aftiphilin	Aftph	305544	2,79	down
6201214	7128704	1198032	aftiphilin	Aftph	305544	1,39	down
6439762	7033297	969403	aggrecan	Acan	58968	2,11	up
6569029	7033297	969410	aggrecan	Acan	58968	2,08	down
5933922	7033297	969406	aggrecan	Acan	58968	1,49	down
6613875	7033297	969409	aggrecan	Acan	58968	1,48	up
5679642	7033297	969413	aggrecan	Acan	58968	1,43	down
6498666	7033297	969411	aggrecan	Acan	58968	1,41	down
5792164	7033297	969408	aggrecan	Acan	58968	1,37	down
6617722	7033297	969408	aggrecan	Acan	58968	1,35	up
5941447	7033297	969408	aggrecan	Acan	58968	1,33	up
5977101	7033297	969398	aggrecan	Acan	58968	1,21	up
6675000	7033297	969408	aggrecan	Acan	58968	1,19	down
5915368	7033297	969399	aggrecan	Acan	58968	1,15	down
6146374	7033297	969397	aggrecan	Acan	58968	1,10	down
6572675	7033297	969408	aggrecan	Acan	58968	1,09	down
6174680	7033297	969414	aggrecan	Acan	58968	1,09	up
5885276	7033297	969407	aggrecan	Acan	58968	1,08	up
6541624	7033297	969408	aggrecan	Acan	58968	1,08	down
5728561	7033297	969412	aggrecan	Acan	58968	1,06	down
6010643	7033297	969404	aggrecan	Acan	58968	1,05	down
6054862	7033297	969405	aggrecan	Acan	58968	1,05	down
6703969	7033297	969408	aggrecan	Acan	58968	1,04	up
6181279	7033297	969408	aggrecan	Acan	58968	1,04	down
6106056	7033297	969401	aggrecan	Acan	58968	1,04	up
6607326	7033297	969400	aggrecan	Acan	58968	1,03	up
6107099	7033297	969402	aggrecan	Acan	58968	1,02	up
5799724	7281188	1575804	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,65	down
5694463	7281188	1575805	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,39	down
6019617	7281188	1575806	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,33	up
6554656	7281188	1575803	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,31	down
6270867	7281188	1575810	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,16	down
6301458	7281188	1575803	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,13	down
6345874	7281188	1575808	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,06	up
5641805	7281188	1575811	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,04	up
5728878	7281188	1575803	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,04	down
6103169	7281188	1575807	agmatine ureohydrolase (agmatinase)	Agmat	298607	1,02	down
5660723	7293870	1605859	agrin	Agrn	25592	3,74	down
5814122	7293870	1605884	agrin	Agrn	25592	2,86	down
6006194	7293870	1605858	agrin	Agrn	25592	2,70	down
6288380	7293870	1605884	agrin	Agrn	25592	2,60	down
6392617	7293870	1605868	agrin	Agrn	25592	2,09	down
5908888	7293870	1605856	agrin	Agrn	25592	2,04	down
5778430	7293870	1605859	agrin	Agrn	25592	2,01	down
6291195	7293870	1605874	agrin	Agrn	25592	1,64	up
5957655	7293870	1605877	agrin	Agrn	25592	1,61	up
5988385	7293870	1605863	agrin	Agrn	25592	1,52	up
6598535	7293870	1605867	agrin	Agrn	25592	1,48	up
6360333	7293870	1605878	agrin	Agrn	25592	1,46	down
5895251	7293870	1605853	agrin	Agrn	25592	1,42	up
6333688	7293870	1605882	agrin	Agrn	25592	1,42	down

6399048	7293870	1605877	agrin	Agrrn	25592	1,42	up
6316997	7293870	1605855	agrin	Agrrn	25592	1,40	down
6041590	7293870	1605883	agrin	Agrrn	25592	1,40	down
5839298	7293870	1605857	agrin	Agrrn	25592	1,39	down
6020066	7293870	1605861	agrin	Agrrn	25592	1,35	down
5858959	7293870	1605875	agrin	Agrrn	25592	1,29	up
5811015	7293870	1605879	agrin	Agrrn	25592	1,28	up
6716412	7293870	1605870	agrin	Agrrn	25592	1,27	up
6496651	7293870	1605881	agrin	Agrrn	25592	1,27	up
6390742	7293870	1605876	agrin	Agrrn	25592	1,26	up
6027515	7293870	1605873	agrin	Agrrn	25592	1,22	down
6511366	7293870	1605862	agrin	Agrrn	25592	1,22	down
5667382	7293870	1605854	agrin	Agrrn	25592	1,21	down
6272933	7293870	1605866	agrin	Agrrn	25592	1,21	down
5698755	7293870	1605871	agrin	Agrrn	25592	1,21	up
5711304	7293870	1605852	agrin	Agrrn	25592	1,19	up
5952972	7293870	1605851	agrin	Agrrn	25592	1,19	up
6292571	7293870	1605878	agrin	Agrrn	25592	1,18	up
5909265	7293870	1605850	agrin	Agrrn	25592	1,14	down
6420669	7293870	1605848	agrin	Agrrn	25592	1,13	up
5872636	7293870	1605864	agrin	Agrrn	25592	1,13	down
5684722	7293870	1605880	agrin	Agrrn	25592	1,13	up
6566305	7293870	1605871	agrin	Agrrn	25592	1,11	up
6277750	7293870	1605882	agrin	Agrrn	25592	1,06	up
5830467	7293870	1605872	agrin	Agrrn	25592	1,05	up
6710294	7293870	1605868	agrin	Agrrn	25592	1,05	up
5759961	7293870	1605859	agrin	Agrrn	25592	1,05	down
5968399	7293870	1605869	agrin	Agrrn	25592	1,04	down
5640529	7293870	1605858	agrin	Agrrn	25592	1,04	down
6195123	7293870	1605849	agrin	Agrrn	25592	1,04	down
6462587	7293870	1605882	agrin	Agrrn	25592	1,04	up
5851446	7293870	1605865	agrin	Agrrn	25592	1,02	up
5700491	7293870	1605860	agrin	Agrrn	25592	1,00	down
6742736	7039589	984514	AHNAK nucleoprotein	Ahnak	191572	1,30	down
5848188	7142414	1231777	AIG2-like domain 1	A2ld1	290500	2,58	down
5854804	7142414	1231780	AIG2-like domain 1	A2ld1	290500	1,74	up
6475035	7142414	1231781	AIG2-like domain 1	A2ld1	290500	1,44	up
6714349	7142414	1231777	AIG2-like domain 1	A2ld1	290500	1,10	down
5835966	7142414	1231782	AIG2-like domain 1	A2ld1	290500	1,01	down
6434838	7199758	1375241	alcohol dehydrogenase 1 (class I)	Adh1	24172	2,20	up
6152639	7199758	1375240	alcohol dehydrogenase 1 (class I)	Adh1	24172	2,00	down
6225541	7199758	1375243	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,86	down
6178871	7199758	1375242	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,44	down
6293576	7199758	1375239	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,32	down
6100515	7199758	1375239	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,20	up
6117847	7199758	1375238	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,18	down
5650082	7199758	1375238	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,15	down
6077703	7199758	1375236	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,14	up
6214089	7199758	1375239	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,09	up
5754696	7199758	1375237	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,06	up
5723540	7199758	1375235	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,03	down
6624406	7199758	1375243	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,02	up
5864245	7199758	1375237	alcohol dehydrogenase 1 (class I)	Adh1	24172	1,02	down
6695936	7354870	1756902	aldehyde oxidase 3-like 1	Aox3l1	316421	2,22	down
5619842	7354870	1756915	aldehyde oxidase 3-like 1	Aox3l1	316421	1,85	up
6571688	7354870	1756922	aldehyde oxidase 3-like 1	Aox3l1	316421	1,84	up
6637758	7354870	1756899	aldehyde oxidase 3-like 1	Aox3l1	316421	1,62	down

6627213	7354870	1756930	aldehyde oxidase 3-like 1	Aox3l1	316421	1,54	up
5891489	7354870	1756904	aldehyde oxidase 3-like 1	Aox3l1	316421	1,53	down
6675129	7354870	1756919	aldehyde oxidase 3-like 1	Aox3l1	316421	1,53	up
5735506	7354870	1756928	aldehyde oxidase 3-like 1	Aox3l1	316421	1,53	up
6578273	7354870	1756929	aldehyde oxidase 3-like 1	Aox3l1	316421	1,49	down
6069901	7354870	1756916	aldehyde oxidase 3-like 1	Aox3l1	316421	1,48	up
6521756	7354870	1756901	aldehyde oxidase 3-like 1	Aox3l1	316421	1,38	down
6087603	7354870	1756931	aldehyde oxidase 3-like 1	Aox3l1	316421	1,27	down
5739806	7354870	1756925	aldehyde oxidase 3-like 1	Aox3l1	316421	1,25	up
5958793	7354870	1756918	aldehyde oxidase 3-like 1	Aox3l1	316421	1,24	down
6526460	7354870	1756921	aldehyde oxidase 3-like 1	Aox3l1	316421	1,22	up
6151096	7354870	1756923	aldehyde oxidase 3-like 1	Aox3l1	316421	1,21	up
6467918	7354870	1756926	aldehyde oxidase 3-like 1	Aox3l1	316421	1,17	up
5678024	7354870	1756927	aldehyde oxidase 3-like 1	Aox3l1	316421	1,16	down
6266810	7354870	1756906	aldehyde oxidase 3-like 1	Aox3l1	316421	1,11	up
5839925	7354870	1756924	aldehyde oxidase 3-like 1	Aox3l1	316421	1,09	down
6071714	7354870	1756900	aldehyde oxidase 3-like 1	Aox3l1	316421	1,09	up
6371612	7354870	1756912	aldehyde oxidase 3-like 1	Aox3l1	316421	1,09	down
6292480	7354870	1756914	aldehyde oxidase 3-like 1	Aox3l1	316421	1,09	down
6638790	7354870	1756908	aldehyde oxidase 3-like 1	Aox3l1	316421	1,08	up
6358379	7354870	1756920	aldehyde oxidase 3-like 1	Aox3l1	316421	1,08	down
6614186	7354870	1756898	aldehyde oxidase 3-like 1	Aox3l1	316421	1,07	up
6263715	7354870	1756909	aldehyde oxidase 3-like 1	Aox3l1	316421	1,06	up
5677438	7354870	1756911	aldehyde oxidase 3-like 1	Aox3l1	316421	1,04	up
6522410	7354870	1756907	aldehyde oxidase 3-like 1	Aox3l1	316421	1,04	up
6435451	7354870	1756913	aldehyde oxidase 3-like 1	Aox3l1	316421	1,04	down
5787683	7354870	1756903	aldehyde oxidase 3-like 1	Aox3l1	316421	1,03	down
6670970	7354870	1756910	aldehyde oxidase 3-like 1	Aox3l1	316421	1,02	down
6146529	7354870	1756932	aldehyde oxidase 3-like 1	Aox3l1	316421	1,02	up
5819769	7354870	1756905	aldehyde oxidase 3-like 1	Aox3l1	316421	1,01	down
6565854	7354870	1756917	aldehyde oxidase 3-like 1	Aox3l1	316421	1,00	down
6585156	7252383	1503522	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	6,11	up
6698449	7252383	1503523	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	4,10	up
5990472	7252383	1503527	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,93	down
5902140	7252383	1503521	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,67	down
6464522	7252383	1503528	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,40	down
5898936	7252383	1503520	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,35	down
5980539	7252383	1503524	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,24	down
5761227	7252383	1503527	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,21	down
5861155	7252383	1503518	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,17	down
5636284	7252383	1503517	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,17	down
5850008	7252383	1503519	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,10	up
6375636	7252383	1503526	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,03	up
6443602	7252383	1503525	aldo-keto reductase family 1, member B10 (aldose reductase)	Akr1b10	296972	1,01	up
6599369	7252396	1503547	aldo-keto reductase family 1, member B7	Akr1b7	116463	2,75	up
6385005	7252396	1503548	aldo-keto reductase family 1, member B7	Akr1b7	116463	2,15	up
6672602	7252396	1503551	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,85	down
5743554	7252396	1503552	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,54	down
5642034	7252396	1503544	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,39	down
6603052	7252396	1503542	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,29	down
6314432	7252396	1503542	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,27	down
6608194	7252396	1503550	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,19	up
6589752	7252396	1503543	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,12	down
6613605	7252396	1503552	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,10	down
5639352	7252396	1503545	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,07	up
6014573	7252396	1503546	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,02	down
6333482	7252396	1503549	aldo-keto reductase family 1, member B7	Akr1b7	116463	1,01	up

5772486	7252382	1503513	aldo-keto reductase family 1, member B8	Akr1b8	286921	3,87	up
6017805	7252382	1503512	aldo-keto reductase family 1, member B8	Akr1b8	286921	3,60	down
6406425	7252382	1503506	aldo-keto reductase family 1, member B8	Akr1b8	286921	3,32	down
6537267	7252382	1503508	aldo-keto reductase family 1, member B8	Akr1b8	286921	2,74	up
6471856	7252382	1503509	aldo-keto reductase family 1, member B8	Akr1b8	286921	2,06	up
6061149	7252382	1503515	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,78	up
6705980	7252382	1503506	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,63	down
6490386	7252382	1503514	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,37	up
6150769	7252382	1503511	aldo-keto reductase family 1, member B8	Akr1b8	286921	1,37	up
6142203	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	2,03	down
6546229	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	1,73	down
6375336	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	1,45	up
6242600	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	1,28	up
6115214	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	1,24	up
5652348	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	1,17	down
5912309	7330203	1695775	alpha 1,4-galactosyltransferase	A4galt	63888	1,08	up
6197928	7330203	1695774	alpha 1,4-galactosyltransferase	A4galt	63888	1,03	down
5656809	7287119	1589558	alpha-2u globulin PGCL2 /// alpha-2u globulin PGCL1 /// alpha2u globulin	LOC259246 /// 09 /// 259246 /// 29		1,47	down
5651916	7287119	1589563	alpha-2u globulin PGCL2 /// alpha-2u globulin PGCL1 /// alpha-2u globulin PGCL4	109 /// LOC259246 09 /// 259246 /// 25		1,10	down
5685518	7287119	1589561	alpha-2u globulin PGCL2 /// alpha-2u globulin PGCL1 /// alpha-2u-globulin (L type)	LOC259246 /// 09 /// 259246 /// 29		1,45	up
6167549	7287119	1589563	alpha-2u globulin PGCL2 /// alpha-2u globulin PGCL1 /// alpha-2u-globulin (L type)	LOC259246 /// 09 /// 259246 /// 29		1,04	down
6223095	7287119	1589560	alpha-2u globulin PGCL3 /// major urinary protein 4 /// alpha-2u globulin PGCL2 /// alpha-2u globul	18109 /// LOC25924 298109 /// 259246		1,09	down
6275685	7287119	1589559	alpha-2u globulin PGCL3 /// major urinary protein 4 /// alpha-2u globulin PGCL2 /// alpha-2u globul	18109 /// LOC259246 /// 09 /// 259246 /// 29		1,41	up
5747738	7287119	1589557	alpha-2u-globulin (L type) /// alpha-2u globulin PGCL4	LOC298116 /// Obp 298116 /// 259247		2,40	up
6428332	7213945	1407837	alpha-kinase 1	Alpk1	310879	1,41	up
5829989	7213945	1407839	alpha-kinase 1	Alpk1	310879	1,36	up
5773521	7213945	1407853	alpha-kinase 1	Alpk1	310879	1,27	up
6288029	7213945	1407838	alpha-kinase 1	Alpk1	310879	1,20	up
5676307	7213945	1407850	alpha-kinase 1	Alpk1	310879	1,13	down
6418702	7213945	1407842	alpha-kinase 1	Alpk1	310879	1,12	down
6726522	7213945	1407838	alpha-kinase 1	Alpk1	310879	1,12	up
6395115	7033504	969868	alpha-kinase 3	Alpk3	365298	1,48	up
5776270	7190677	1351670	alpha-methylacyl-CoA racemase	Amacr	25284	2,81	down
6312696	7190677	1351673	alpha-methylacyl-CoA racemase	Amacr	25284	1,56	down
6319595	7190677	1351671	alpha-methylacyl-CoA racemase	Amacr	25284	1,37	up
6494857	7190677	1351672	alpha-methylacyl-CoA racemase	Amacr	25284	1,14	up
6371392	7190677	1351674	alpha-methylacyl-CoA racemase	Amacr	25284	1,06	up
6329931	7190677	1351675	alpha-methylacyl-CoA racemase	Amacr	25284	1,02	down
5965445	7340757	1721909	ALS2 C-terminal like	Als2cl	316017	2,05	up
5977888	7340757	1721909	ALS2 C-terminal like	Als2cl	316017	1,24	up
6080493	7340757	1721881	ALS2 C-terminal like	Als2cl	316017	1,22	up
6285132	7340757	1721909	ALS2 C-terminal like	Als2cl	316017	1,20	down
5760922	7349751	1744416	aminoacylase 1	Acy1	300981	2,31	down
6337118	7349751	1744405	aminoacylase 1	Acy1	300981	2,12	up
5649661	7349751	1744408	aminoacylase 1	Acy1	300981	1,48	up
6225794	7349751	1744411	aminoacylase 1	Acy1	300981	1,37	down
6207850	7349751	1744403	aminoacylase 1	Acy1	300981	1,35	down
6556839	7349751	1744417	aminoacylase 1	Acy1	300981	1,28	up
5624146	7349751	1744413	aminoacylase 1	Acy1	300981	1,22	down
6294452	7349751	1744415	aminoacylase 1	Acy1	300981	1,21	up
5922161	7349751	1744406	aminoacylase 1	Acy1	300981	1,21	up
6674735	7349751	1744414	aminoacylase 1	Acy1	300981	1,19	down
6419327	7349751	1744410	aminoacylase 1	Acy1	300981	1,18	down
6529247	7349751	1744412	aminoacylase 1	Acy1	300981	1,13	up
6204660	7349751	1744404	aminoacylase 1	Acy1	300981	1,11	down
6665777	7349751	1744409	aminoacylase 1	Acy1	300981	1,09	up
5842878	7349751	1744407	aminoacylase 1	Acy1	300981	1,04	up

6459243	7117813	1171709	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	2,13	up
6202609	7117813	1171708	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	2,02	down
5648851	7117813	1171717	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,53	down
5806076	7117813	1171716	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,47	down
6012171	7117813	1171711	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,47	up
5618383	7117813	1171703	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,32	down
5919575	7117813	1171704	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,30	down
5921041	7117813	1171710	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,29	up
6326350	7117813	1171712	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,27	up
5641253	7117813	1171702	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,26	up
6097498	7117813	1171704	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,22	down
5776274	7117813	1171702	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,20	up
6278073	7117813	1171713	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,19	up
6008325	7117813	1171719	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,16	down
5657822	7117813	1171707	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,16	up
6689708	7117813	1171719	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,12	up
6411087	7117813	1171704	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,11	up
6000051	7117813	1171719	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,11	down
6665764	7117813	1171713	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,05	down
5799860	7117813	1171708	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,05	up
6674431	7117813	1171713	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,03	up
6640924	7117813	1171715	aminoadipate-semialdehyde dehydrogenase	Aasdh	364136	1,01	down
5855780	7161420	1278768	aminopeptidase O	Npepo	290963	2,11	down
6263085	7161420	1278769	aminopeptidase O	Npepo	290963	2,06	down
6727945	7161420	1278772	aminopeptidase O	Npepo	290963	1,90	up
6374811	7161420	1278774	aminopeptidase O	Npepo	290963	1,59	up
6525738	7161420	1278766	aminopeptidase O	Npepo	290963	1,53	down
6478413	7161420	1278767	aminopeptidase O	Npepo	290963	1,51	up
5905076	7161420	1278775	aminopeptidase O	Npepo	290963	1,49	up
5958415	7161420	1278765	aminopeptidase O	Npepo	290963	1,39	up
6419758	7161420	1278764	aminopeptidase O	Npepo	290963	1,35	down
6330583	7161420	1278773	aminopeptidase O	Npepo	290963	1,28	up
6326965	7161420	1278771	aminopeptidase O	Npepo	290963	1,23	down
6101755	7161420	1278761	aminopeptidase O	Npepo	290963	1,20	down
5989668	7161420	1278763	aminopeptidase O	Npepo	290963	1,13	down
5970611	7161420	1278770	aminopeptidase O	Npepo	290963	1,09	up
6097074	7161420	1278762	aminopeptidase O	Npepo	290963	1,07	up
5998568	7161420	1278771	aminopeptidase O	Npepo	290963	1,01	up
6732403	7049673	1008831	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	2,84	up
6199142	7049673	1008823	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	2,24	down
6390245	7049673	1008826	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,42	up
5654617	7049673	1008824	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,34	down
5851424	7049673	1008831	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,30	down
6130084	7049673	1008832	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,30	up
6648889	7049673	1008821	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,27	down
6287906	7049673	1008834	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,23	up
6590243	7049673	1008821	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,17	down
6355959	7049673	1008825	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,17	down
5686852	7049673	1008829	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,16	up
6047820	7049673	1008827	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,12	up
6441060	7049673	1008834	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,09	up
5705554	7049673	1008828	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,09	up
5741250	7049673	1008830	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,05	up
6477180	7049673	1008833	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,04	down
6607439	7049673	1008832	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,03	down
6316006	7049673	1008822	amyloid beta (A4) precursor-like protein 1	Aplp1	502317	1,03	down
6546365	7354935	1757086	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,62	down

5928052	7354935	1757095	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,53	down
6587315	7354935	1757104	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,44	down
6124815	7354935	1757100	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,38	down
6661435	7354935	1757084	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,34	up
6101024	7354935	1757098	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,33	up
6563278	7354935	1757103	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,29	down
5633351	7354935	1757094	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,17	down
5620493	7354935	1757087	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,15	down
5827795	7354935	1757103	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,14	up
5854990	7354935	1757099	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,11	down
5734502	7354935	1757097	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,11	down
6628259	7354935	1757090	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,10	up
6442567	7354935	1757102	amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 2 (human)	Als2cr2	501146	1,06	down
5853674	7295410	1609785	anaplastic lymphoma kinase	Alk	266802	1,63	down
6207797	7295410	1609783	anaplastic lymphoma kinase	Alk	266802	1,58	down
6445412	7295410	1609790	anaplastic lymphoma kinase	Alk	266802	1,52	up
6195449	7295410	1609792	anaplastic lymphoma kinase	Alk	266802	1,30	down
6352175	7295410	1609791	anaplastic lymphoma kinase	Alk	266802	1,23	down
6305708	7295410	1609786	anaplastic lymphoma kinase	Alk	266802	1,14	down
6567240	7295410	1609789	anaplastic lymphoma kinase	Alk	266802	1,10	up
6740816	7295410	1609787	anaplastic lymphoma kinase	Alk	266802	1,07	down
5742832	7295410	1609784	anaplastic lymphoma kinase	Alk	266802	1,05	up
5673857	7295410	1609788	anaplastic lymphoma kinase	Alk	266802	1,01	up
6299487	7339834	1719550	angiomin like 2	Amotl2	65157	2,05	down
5905495	7339834	1719556	angiomin like 2	Amotl2	65157	1,13	down
5753041	7339834	1719552	angiomin like 2	Amotl2	65157	1,08	up
5681638	7339834	1719551	angiomin like 2	Amotl2	65157	1,02	down
6371901	7342356	1725905	angiomin-like 1	Amotl1	315430	2,31	up
6485303	7342356	1725884	angiomin-like 1	Amotl1	315430	1,90	down
6637978	7342356	1725902	angiomin-like 1	Amotl1	315430	1,72	up
6286881	7342356	1725878	angiomin-like 1	Amotl1	315430	1,72	down
6272484	7342356	1725876	angiomin-like 1	Amotl1	315430	1,68	down
6512439	7342356	1725883	angiomin-like 1	Amotl1	315430	1,66	down
5736857	7342356	1725886	angiomin-like 1	Amotl1	315430	1,39	down
5703633	7342356	1725881	angiomin-like 1	Amotl1	315430	1,38	down
6404790	7342356	1725888	angiomin-like 1	Amotl1	315430	1,31	down
6409035	7342356	1725887	angiomin-like 1	Amotl1	315430	1,30	up
6433675	7342356	1725879	angiomin-like 1	Amotl1	315430	1,27	down
5989041	7342356	1725889	angiomin-like 1	Amotl1	315430	1,21	up
6686661	7342356	1725885	angiomin-like 1	Amotl1	315430	1,18	up
6437815	7342356	1725896	angiomin-like 1	Amotl1	315430	1,06	up
6371475	7342356	1725877	angiomin-like 1	Amotl1	315430	1,02	up
6346929	7152915	1257440	ankyrin 1, erythrocytic	Ank1	306570	2,07	up
6613087	7152915	1257463	ankyrin 1, erythrocytic	Ank1	306570	1,76	down
6389926	7152915	1257442	ankyrin 1, erythrocytic	Ank1	306570	1,58	up
6630122	7152915	1257481	ankyrin 1, erythrocytic	Ank1	306570	1,51	up
5883319	7152915	1257447	ankyrin 1, erythrocytic	Ank1	306570	1,51	up
5686529	7152915	1257488	ankyrin 1, erythrocytic	Ank1	306570	1,50	up
5916454	7152915	1257501	ankyrin 1, erythrocytic	Ank1	306570	1,44	down
6259659	7152915	1257459	ankyrin 1, erythrocytic	Ank1	306570	1,41	down
6498597	7152915	1257469	ankyrin 1, erythrocytic	Ank1	306570	1,37	down
6142046	7152915	1257464	ankyrin 1, erythrocytic	Ank1	306570	1,36	down
6695055	7152915	1257479	ankyrin 1, erythrocytic	Ank1	306570	1,32	down
5807994	7152915	1257450	ankyrin 1, erythrocytic	Ank1	306570	1,31	down
6578727	7152915	1257480	ankyrin 1, erythrocytic	Ank1	306570	1,30	up
6636866	7152915	1257468	ankyrin 1, erythrocytic	Ank1	306570	1,28	down
5634044	7152915	1257449	ankyrin 1, erythrocytic	Ank1	306570	1,28	down

6379478	7152915	1257473	ankyrin 1, erythrocytic	Ank1	306570	1,26	down
6349020	7152915	1257493	ankyrin 1, erythrocytic	Ank1	306570	1,21	down
5683060	7152915	1257456	ankyrin 1, erythrocytic	Ank1	306570	1,21	down
6515589	7152915	1257500	ankyrin 1, erythrocytic	Ank1	306570	1,18	up
6051460	7152915	1257437	ankyrin 1, erythrocytic	Ank1	306570	1,17	up
6289302	7152915	1257484	ankyrin 1, erythrocytic	Ank1	306570	1,15	down
5970372	7152915	1257476	ankyrin 1, erythrocytic	Ank1	306570	1,14	down
6358066	7152915	1257489	ankyrin 1, erythrocytic	Ank1	306570	1,14	up
6629214	7152915	1257478	ankyrin 1, erythrocytic	Ank1	306570	1,11	up
6609054	7152915	1257441	ankyrin 1, erythrocytic	Ank1	306570	1,11	down
6079465	7152915	1257462	ankyrin 1, erythrocytic	Ank1	306570	1,08	up
6730508	7152915	1257466	ankyrin 1, erythrocytic	Ank1	306570	1,08	down
6329548	7152915	1257472	ankyrin 1, erythrocytic	Ank1	306570	1,08	down
6505683	7152915	1257457	ankyrin 1, erythrocytic	Ank1	306570	1,07	down
6627179	7152915	1257493	ankyrin 1, erythrocytic	Ank1	306570	1,05	up
6509277	7152915	1257487	ankyrin 1, erythrocytic	Ank1	306570	1,04	up
6736540	7152915	1257486	ankyrin 1, erythrocytic	Ank1	306570	1,03	up
6074116	7152915	1257482	ankyrin 1, erythrocytic	Ank1	306570	1,03	up
5752062	7152915	1257465	ankyrin 1, erythrocytic	Ank1	306570	1,02	up
5989611	7152915	1257458	ankyrin 1, erythrocytic	Ank1	306570	1,02	down
6641871	7152915	1257477	ankyrin 1, erythrocytic	Ank1	306570	1,01	down
6458944	7152915	1257439	ankyrin 1, erythrocytic	Ank1	306570	1,01	up
6467062	7152915	1257485	ankyrin 1, erythrocytic	Ank1	306570	1,01	up
6678095	7152915	1257461	ankyrin 1, erythrocytic	Ank1	306570	1,01	up
6728238	7152915	1257460	ankyrin 1, erythrocytic	Ank1	306570	1,01	up
6271297	7152915	1257467	ankyrin 1, erythrocytic	Ank1	306570	1,01	up
6626512	7152915	1257438	ankyrin 1, erythrocytic	Ank1	306570	1,01	up
5630018	7152915	1257438	ankyrin 1, erythrocytic	Ank1	306570	1,00	down
5750008	7152915	1257475	ankyrin 1, erythrocytic	Ank1	306570	1,00	up
6245099	7213908	1407651	ankyrin 2, neuronal	Ank2	362036	2,53	down
6347385	7213908	1407685	ankyrin 2, neuronal	Ank2	362036	2,36	up
6044714	7213908	1407695	ankyrin 2, neuronal	Ank2	362036	1,84	up
6699942	7213908	1407698	ankyrin 2, neuronal	Ank2	362036	1,77	up
5680006	7213908	1407701	ankyrin 2, neuronal	Ank2	362036	1,76	up
6555567	7213908	1407690	ankyrin 2, neuronal	Ank2	362036	1,72	up
6201626	7213908	1407750	ankyrin 2, neuronal	Ank2	362036	1,63	up
6143133	7213908	1407684	ankyrin 2, neuronal	Ank2	362036	1,58	up
5733952	7213908	1407651	ankyrin 2, neuronal	Ank2	362036	1,53	down
6456222	7213908	1407700	ankyrin 2, neuronal	Ank2	362036	1,53	up
5710244	7213908	1407683	ankyrin 2, neuronal	Ank2	362036	1,51	up
5640791	7213908	1407678	ankyrin 2, neuronal	Ank2	362036	1,46	up
6272224	7213908	1407675	ankyrin 2, neuronal	Ank2	362036	1,41	down
6111006	7213908	1407699	ankyrin 2, neuronal	Ank2	362036	1,37	up
6725217	7213908	1407702	ankyrin 2, neuronal	Ank2	362036	1,35	down
6402477	7213908	1407638	ankyrin 2, neuronal	Ank2	362036	1,35	down
6131392	7213908	1407750	ankyrin 2, neuronal	Ank2	362036	1,35	up
6225029	7213908	1407712	ankyrin 2, neuronal	Ank2	362036	1,31	down
5698364	7213908	1407652	ankyrin 2, neuronal	Ank2	362036	1,25	down
6476341	7213908	1407696	ankyrin 2, neuronal	Ank2	362036	1,24	up
6572945	7213908	1407717	ankyrin 2, neuronal	Ank2	362036	1,22	up
6604780	7213908	1407651	ankyrin 2, neuronal	Ank2	362036	1,21	down
6171201	7213908	1407643	ankyrin 2, neuronal	Ank2	362036	1,18	up
6387676	7213908	1407646	ankyrin 2, neuronal	Ank2	362036	1,14	down
5946420	7213908	1407644	ankyrin 2, neuronal	Ank2	362036	1,10	down
6345247	7213908	1407703	ankyrin 2, neuronal	Ank2	362036	1,07	up
5719238	7213908	1407700	ankyrin 2, neuronal	Ank2	362036	1,05	down
6013086	7213908	1407637	ankyrin 2, neuronal	Ank2	362036	1,03	up

6046354	7213908	1407710	ankyrin 2, neuronal	Ank2	362036	1,02	up
5680042	7213908	1407681	ankyrin 2, neuronal	Ank2	362036	1,02	up
6054185	7213908	1407641	ankyrin 2, neuronal	Ank2	362036	1,02	down
6115552	7213908	1407676	ankyrin 2, neuronal	Ank2	362036	1,00	down
6039798	7213908	1407690	ankyrin 2, neuronal	Ank2	362036	1,00	down
5681934	7222244	1428247	ankyrin 3, epithelial	Ank3	361833	2,70	down
6063066	7222244	1428285	ankyrin 3, epithelial	Ank3	361833	1,81	up
6537256	7222244	1428249	ankyrin 3, epithelial	Ank3	361833	1,65	up
6680545	7222244	1428284	ankyrin 3, epithelial	Ank3	361833	1,62	up
5776578	7222244	1428248	ankyrin 3, epithelial	Ank3	361833	1,62	down
6085958	7222244	1428278	ankyrin 3, epithelial	Ank3	361833	1,60	down
6478665	7222244	1428250	ankyrin 3, epithelial	Ank3	361833	1,51	up
5694005	7222244	1428276	ankyrin 3, epithelial	Ank3	361833	1,48	up
6598929	7222244	1428252	ankyrin 3, epithelial	Ank3	361833	1,46	down
6175208	7222244	1428251	ankyrin 3, epithelial	Ank3	361833	1,44	up
6630887	7222244	1428244	ankyrin 3, epithelial	Ank3	361833	1,39	down
6221220	7222244	1428259	ankyrin 3, epithelial	Ank3	361833	1,36	up
6448914	7222244	1428261	ankyrin 3, epithelial	Ank3	361833	1,35	up
6355809	7222244	1428257	ankyrin 3, epithelial	Ank3	361833	1,34	down
6224888	7222244	1428262	ankyrin 3, epithelial	Ank3	361833	1,32	down
5696645	7222244	1428279	ankyrin 3, epithelial	Ank3	361833	1,28	up
6515175	7222244	1428260	ankyrin 3, epithelial	Ank3	361833	1,27	down
5734430	7222244	1428246	ankyrin 3, epithelial	Ank3	361833	1,25	down
6043101	7222244	1428255	ankyrin 3, epithelial	Ank3	361833	1,23	up
6672486	7222244	1428274	ankyrin 3, epithelial	Ank3	361833	1,19	down
6607745	7222244	1428273	ankyrin 3, epithelial	Ank3	361833	1,17	up
5703125	7222244	1428250	ankyrin 3, epithelial	Ank3	361833	1,17	down
6638526	7222244	1428267	ankyrin 3, epithelial	Ank3	361833	1,16	down
6158986	7222244	1428266	ankyrin 3, epithelial	Ank3	361833	1,15	up
6119681	7222244	1428271	ankyrin 3, epithelial	Ank3	361833	1,14	down
6581575	7222244	1428282	ankyrin 3, epithelial	Ank3	361833	1,13	down
5837764	7222244	1428275	ankyrin 3, epithelial	Ank3	361833	1,12	down
5897436	7222244	1428253	ankyrin 3, epithelial	Ank3	361833	1,10	down
6676452	7222244	1428281	ankyrin 3, epithelial	Ank3	361833	1,10	down
5991215	7222244	1428256	ankyrin 3, epithelial	Ank3	361833	1,09	down
5750870	7222244	1428258	ankyrin 3, epithelial	Ank3	361833	1,09	down
6718359	7222244	1428283	ankyrin 3, epithelial	Ank3	361833	1,08	up
6584605	7222244	1428275	ankyrin 3, epithelial	Ank3	361833	1,07	up
6594851	7222244	1428270	ankyrin 3, epithelial	Ank3	361833	1,06	up
6431249	7222244	1428254	ankyrin 3, epithelial	Ank3	361833	1,06	down
5752795	7222244	1428265	ankyrin 3, epithelial	Ank3	361833	1,06	up
5668412	7222244	1428264	ankyrin 3, epithelial	Ank3	361833	1,06	down
5923547	7222244	1428269	ankyrin 3, epithelial	Ank3	361833	1,05	down
6104937	7222244	1428263	ankyrin 3, epithelial	Ank3	361833	1,05	up
5886752	7222244	1428268	ankyrin 3, epithelial	Ank3	361833	1,04	up
5899013	7222244	1428277	ankyrin 3, epithelial	Ank3	361833	1,04	up
5771647	7222244	1428280	ankyrin 3, epithelial	Ank3	361833	1,04	up
5908972	7222244	1428245	ankyrin 3, epithelial	Ank3	361833	1,03	up
6122269	7222244	1428248	ankyrin 3, epithelial	Ank3	361833	1,02	down
5918122	7222244	1428261	ankyrin 3, epithelial	Ank3	361833	1,01	up
6615855	7222244	1428272	ankyrin 3, epithelial	Ank3	361833	1,00	down
6716839	7069462	1054585	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,46	up
6267686	7069462	1054588	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,45	down
6277144	7069462	1054590	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,35	down
5678672	7069462	1054604	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,31	up
5712155	7069462	1054583	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,29	up
5785778	7069462	1054589	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,27	down

5865081	7069462	1054578	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,22	up
6672296	7069462	1054586	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,21	down
5931626	7069462	1054598	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,19	up
5961240	7069462	1054597	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,17	up
6606172	7069462	1054592	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,17	down
5761994	7069462	1054606	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,16	down
5972758	7069462	1054587	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,15	up
6326652	7069462	1054582	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,14	up
6334806	7069462	1054593	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,14	down
5868967	7069462	1054584	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,14	down
5624935	7069462	1054599	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,13	down
5640103	7069462	1054578	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,11	down
5857005	7069462	1054582	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,11	up
5673885	7069462	1054577	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,07	up
6704129	7069462	1054600	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,05	down
6327689	7069462	1054594	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,05	down
5692773	7069462	1054607	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,04	up
6378354	7069462	1054601	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,04	up
6067238	7069462	1054591	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,03	up
5783573	7069462	1054579	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,02	down
6062900	7069462	1054586	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,01	up
6487805	7069462	1054603	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,01	up
5696797	7069462	1054605	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,00	up
5953660	7069462	1054595	ankyrin repeat and FYVE domain containing 1	Ankfy1	303292	1,00	up
6122728	7250671	1499045	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,48	down
5617850	7250671	1499041	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,46	down
6263013	7250671	1499045	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,44	down
6507746	7250671	1499022	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,35	down
5833985	7250671	1499015	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,20	down
5746792	7250671	1499031	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,20	down
6384930	7250671	1499039	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,20	up
6141086	7250671	1499038	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,20	up
6262402	7250671	1499044	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,19	down
6639637	7250671	1499037	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,16	up
6306679	7250671	1499040	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,15	up
5846650	7250671	1499024	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,11	down
5618000	7250671	1499034	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,11	up
6285717	7250671	1499026	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,09	up
6575677	7250671	1499042	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,07	down
6277260	7250671	1499043	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,06	down
5802173	7250671	1499044	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,05	up
6230025	7250671	1499018	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,04	up
6740284	7250671	1499027	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,04	up
6008628	7250671	1499024	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,03	down
6196114	7250671	1499022	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,03	down
5984826	7250671	1499028	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,02	up
6568330	7250671	1499032	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,02	down
6151013	7250671	1499017	ankyrin repeat and IBR domain containing 1	Ankib1	368062	1,02	down
6661182	7072429	1061864	ankyrin repeat and SOCS box-containing 16	Asb16	498005	2,05	down
5835665	7072429	1061861	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,42	down
6600295	7072429	1061861	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,18	up
6505182	7072429	1061861	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,17	down
6268820	7072429	1061862	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,16	up
5827593	7072429	1061865	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,12	down
6358743	7072429	1061861	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,07	down
5700761	7072429	1061863	ankyrin repeat and SOCS box-containing 16	Asb16	498005	1,05	up
5756526	7217143	1415618	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,65	down

6063732	7217143	1415619	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,62	up
6157513	7217143	1415589	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,57	up
5814472	7217143	1415616	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,48	up
5728347	7217143	1415580	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,38	up
6201435	7217143	1415596	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,23	down
5682698	7217143	1415587	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,21	up
6404225	7217143	1415611	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,18	down
6543186	7217143	1415615	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,17	down
6045481	7217143	1415583	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,15	down
6039916	7217143	1415593	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,15	up
5805682	7217143	1415609	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,14	down
5807230	7217143	1415592	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,14	down
5931983	7217143	1415590	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,13	down
6738734	7217143	1415603	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,12	down
6663138	7217143	1415584	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,11	up
5815653	7217143	1415613	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,10	up
6692801	7217143	1415618	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,08	up
6425731	7217143	1415591	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,07	down
6051124	7217143	1415614	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,07	down
5689048	7217143	1415608	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,07	up
6356084	7217143	1415610	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,05	up
6241507	7217143	1415588	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,04	up
6293274	7217143	1415612	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,04	down
6497219	7217143	1415596	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,03	up
6225577	7217143	1415606	ankyrin repeat and sterile alpha motif domain containing 1A	Anks1a	309639	1,01	down
5793561	7059506	1030393	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,90	down
5729931	7059506	1030393	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,70	down
6132172	7059506	1030388	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,57	down
6272700	7059506	1030388	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,39	up
6538724	7059506	1030390	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,38	up
6294835	7059506	1030395	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,37	down
6168931	7059506	1030397	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,35	up
5920528	7059506	1030388	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,27	up
6533943	7059506	1030392	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,21	up
5765698	7059506	1030399	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,20	down
6635944	7059506	1030402	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,18	down
6575330	7059506	1030398	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,11	down
5876937	7059506	1030402	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,05	down
5785670	7059506	1030396	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,05	up
6314435	7059506	1030389	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,04	up
6430650	7059506	1030394	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,03	down
5974866	7059506	1030399	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,02	up
5756608	7059506	1030391	ankyrin repeat domain 13 family, member D	Ankrd13d	361699	1,01	up
5920851	7120653	1178958	ankyrin repeat domain 36	Ankrd36	305491	2,08	down
5809862	7120653	1178946	ankyrin repeat domain 36	Ankrd36	305491	1,36	down
6738888	7120653	1178961	ankyrin repeat domain 36	Ankrd36	305491	1,32	up
6403411	7120653	1178961	ankyrin repeat domain 36	Ankrd36	305491	1,31	down
6214033	7120653	1178961	ankyrin repeat domain 36	Ankrd36	305491	1,19	up
5834921	7120653	1178960	ankyrin repeat domain 36	Ankrd36	305491	1,15	down
5771578	7120653	1178952	ankyrin repeat domain 36	Ankrd36	305491	1,12	down
6607819	7120653	1178961	ankyrin repeat domain 36	Ankrd36	305491	1,11	down
6020454	7120653	1178956	ankyrin repeat domain 36	Ankrd36	305491	1,07	up
5706040	7120653	1178947	ankyrin repeat domain 36	Ankrd36	305491	1,05	down
5726096	7120653	1178953	ankyrin repeat domain 36	Ankrd36	305491	1,04	down
6730221	7120653	1178949	ankyrin repeat domain 36	Ankrd36	305491	1,03	up
6652951	7120653	1178950	ankyrin repeat domain 36	Ankrd36	305491	1,03	up
6144829	7120653	1178957	ankyrin repeat domain 36	Ankrd36	305491	1,03	down

5923173	7120653	1178951	ankyrin repeat domain 36	Ankrd36	305491	1,03	down
5648200	7120653	1178954	ankyrin repeat domain 36	Ankrd36	305491	1,02	down
6476569	7120653	1178955	ankyrin repeat domain 36	Ankrd36	305491	1,01	up
6303829	7120653	1178948	ankyrin repeat domain 36	Ankrd36	305491	1,00	up
5861591	7120653	1178959	ankyrin repeat domain 36	Ankrd36	305491	1,00	up
5964024	7145604	1239846	ankyrin repeat domain 37	Ankrd37	361149	2,14	up
6703930	7145604	1239847	ankyrin repeat domain 37	Ankrd37	361149	1,86	up
6282200	7145604	1239844	ankyrin repeat domain 37	Ankrd37	361149	1,48	down
6236853	7145604	1239843	ankyrin repeat domain 37	Ankrd37	361149	1,29	up
6470767	7145604	1239845	ankyrin repeat domain 37	Ankrd37	361149	1,24	down
6590441	7233012	1455416	ankyrin repeat domain 5	Ankrd5	296184	2,17	up
6644799	7233012	1455425	ankyrin repeat domain 5	Ankrd5	296184	2,02	down
5636259	7233012	1455412	ankyrin repeat domain 5	Ankrd5	296184	1,44	down
6667093	7233012	1455423	ankyrin repeat domain 5	Ankrd5	296184	1,44	up
6342921	7233012	1455422	ankyrin repeat domain 5	Ankrd5	296184	1,24	down
6354534	7233012	1455414	ankyrin repeat domain 5	Ankrd5	296184	1,23	down
6510939	7233012	1455419	ankyrin repeat domain 5	Ankrd5	296184	1,09	down
6399097	7233012	1455417	ankyrin repeat domain 5	Ankrd5	296184	1,09	down
5915745	7233012	1455424	ankyrin repeat domain 5	Ankrd5	296184	1,06	up
6663608	7233012	1455420	ankyrin repeat domain 5	Ankrd5	296184	1,04	up
5921213	7233012	1455415	ankyrin repeat domain 5	Ankrd5	296184	1,02	down
6019398	7233012	1455418	ankyrin repeat domain 5	Ankrd5	296184	1,01	down
6203561	7233012	1455421	ankyrin repeat domain 5	Ankrd5	296184	1,01	up
6443236	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	2,35	down
5753766	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,73	up
6540539	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,26	up
6700730	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,14	up
6116451	7370009	1795811	ankyrin repeat domain 57	Ankrd57	503306	1,13	down
6258250	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,11	up
5949472	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,04	down
6123807	7370009	1795812	ankyrin repeat domain 57	Ankrd57	503306	1,02	up
6397183	7337587	1713758	annexin A2	Anxa2	56611	2,15	down
5719852	7337587	1713756	annexin A2	Anxa2	56611	1,70	down
6478135	7337587	1713766	annexin A2	Anxa2	56611	1,61	down
6103244	7337587	1713764	annexin A2	Anxa2	56611	1,60	up
6715030	7337587	1713757	annexin A2	Anxa2	56611	1,59	down
6143361	7337587	1713765	annexin A2	Anxa2	56611	1,41	down
6405367	7337587	1713761	annexin A2	Anxa2	56611	1,36	up
6263067	7337587	1713763	annexin A2	Anxa2	56611	1,22	down
6258157	7337587	1713762	annexin A2	Anxa2	56611	1,22	up
6442226	7337587	1713755	annexin A2	Anxa2	56611	1,20	up
5971967	7337587	1713759	annexin A2	Anxa2	56611	1,14	up
6381298	7337587	1713760	annexin A2	Anxa2	56611	1,11	up
6234541	7337587	1713754	annexin A2	Anxa2	56611	1,08	up
6407387	7321057	1674887	anti-Mullerian hormone receptor, type II	Amhr2	29530	2,22	up
6450837	7321057	1674881	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,47	down
5865172	7321057	1674876	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,37	down
6075204	7321057	1674882	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,22	up
5724656	7321057	1674875	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,21	up
6605981	7321057	1674884	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,09	down
6441330	7321057	1674886	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,08	up
5765767	7321057	1674878	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,06	up
6704915	7321057	1674877	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,06	up
5618867	7321057	1674885	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,05	up
6325197	7321057	1674887	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,04	up
5823432	7321057	1674888	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,01	down
6051557	7321057	1674886	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,01	down

6283715	7321057	1674880	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,00	up
6540818	7321057	1674879	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,00	up
6559416	7321057	1674883	anti-Mullerian hormone receptor, type II	Amhr2	29530	1,00	up
5973076	7041273	988590	APOBEC1 complementation factor	A1cf	170912	3,46	up
6422934	7041273	988590	APOBEC1 complementation factor	A1cf	170912	3,39	up
5925630	7041273	988590	APOBEC1 complementation factor	A1cf	170912	3,07	up
6211095	7041273	988587	APOBEC1 complementation factor	A1cf	170912	1,83	down
6207722	7041273	988588	APOBEC1 complementation factor	A1cf	170912	1,70	down
5864713	7041273	988591	APOBEC1 complementation factor	A1cf	170912	1,56	down
6077509	7041273	988589	APOBEC1 complementation factor	A1cf	170912	1,51	down
6220349	7041273	988585	APOBEC1 complementation factor	A1cf	170912	1,38	down
5812894	7041273	988591	APOBEC1 complementation factor	A1cf	170912	1,31	up
6537212	7041273	988592	APOBEC1 complementation factor	A1cf	170912	1,25	down
5805182	7041273	988584	APOBEC1 complementation factor	A1cf	170912	1,15	up
6324145	7041273	988583	APOBEC1 complementation factor	A1cf	170912	1,08	down
5946507	7041273	988583	APOBEC1 complementation factor	A1cf	170912	1,07	up
6564583	7041273	988586	APOBEC1 complementation factor	A1cf	170912	1,02	down
6664039	7048681	1006865	apolipoprotein E	ApoE	25728	2,09	down
6169954	7048681	1006865	apolipoprotein E	ApoE	25728	1,38	up
5880725	7048681	1006866	apolipoprotein E	ApoE	25728	1,15	up
6411809	7048681	1006864	apolipoprotein E	ApoE	25728	1,08	up
5772331	7048681	1006867	apolipoprotein E	ApoE	25728	1,05	down
5753912	7048681	1006864	apolipoprotein E	ApoE	25728	1,02	up
6534289	7329479	1694177	apolipoprotein L 9a	Apol9a	503164	3,08	up
6030293	7329479	1694175	apolipoprotein L 9a	Apol9a	503164	2,45	down
5881446	7329479	1694173	apolipoprotein L 9a	Apol9a	503164	1,87	down
5721265	7329479	1694174	apolipoprotein L 9a	Apol9a	503164	1,45	down
5866712	7329479	1694176	apolipoprotein L 9a	Apol9a	503164	1,13	down
6050944	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	2,64	down
5987736	7080812	1081156	apoptosis antagonizing transcription factor	Aatf	114512	2,16	down
6256022	7080812	1081157	apoptosis antagonizing transcription factor	Aatf	114512	2,07	up
6001096	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,86	down
6033903	7080812	1081163	apoptosis antagonizing transcription factor	Aatf	114512	1,60	up
6106149	7080812	1081156	apoptosis antagonizing transcription factor	Aatf	114512	1,56	down
5627579	7080812	1081165	apoptosis antagonizing transcription factor	Aatf	114512	1,54	up
6261284	7080812	1081164	apoptosis antagonizing transcription factor	Aatf	114512	1,50	up
6573631	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,33	down
6324752	7080812	1081166	apoptosis antagonizing transcription factor	Aatf	114512	1,14	up
5762639	7080812	1081158	apoptosis antagonizing transcription factor	Aatf	114512	1,12	down
6415395	7080812	1081162	apoptosis antagonizing transcription factor	Aatf	114512	1,11	up
5647405	7080812	1081168	apoptosis antagonizing transcription factor	Aatf	114512	1,10	up
5700060	7080812	1081161	apoptosis antagonizing transcription factor	Aatf	114512	1,08	down
6034882	7080812	1081160	apoptosis antagonizing transcription factor	Aatf	114512	1,04	up
6211379	7080812	1081159	apoptosis antagonizing transcription factor	Aatf	114512	1,03	down
6245097	7080812	1081167	apoptosis antagonizing transcription factor	Aatf	114512	1,01	down
5617759	7323725	1680456	apoptotic peptidase activating factor 1	Apaf1	78963	2,19	down
5823977	7323725	1680450	apoptotic peptidase activating factor 1	Apaf1	78963	1,93	up
6633634	7323725	1680443	apoptotic peptidase activating factor 1	Apaf1	78963	1,88	down
6707514	7323725	1680461	apoptotic peptidase activating factor 1	Apaf1	78963	1,74	up
5763728	7323725	1680463	apoptotic peptidase activating factor 1	Apaf1	78963	1,62	down
6492124	7323725	1680466	apoptotic peptidase activating factor 1	Apaf1	78963	1,49	up
6616828	7323725	1680466	apoptotic peptidase activating factor 1	Apaf1	78963	1,49	down
6619268	7323725	1680446	apoptotic peptidase activating factor 1	Apaf1	78963	1,47	up
5713477	7323725	1680449	apoptotic peptidase activating factor 1	Apaf1	78963	1,45	up
6209852	7323725	1680453	apoptotic peptidase activating factor 1	Apaf1	78963	1,43	down
6649829	7323725	1680448	apoptotic peptidase activating factor 1	Apaf1	78963	1,36	up
5778162	7323725	1680467	apoptotic peptidase activating factor 1	Apaf1	78963	1,32	down

6641136	7323725	1680445	apoptotic peptidase activating factor 1	Apaf1	78963	1,29	down
6644288	7323725	1680449	apoptotic peptidase activating factor 1	Apaf1	78963	1,29	up
5831704	7323725	1680459	apoptotic peptidase activating factor 1	Apaf1	78963	1,27	up
5657236	7323725	1680467	apoptotic peptidase activating factor 1	Apaf1	78963	1,22	down
6663541	7323725	1680447	apoptotic peptidase activating factor 1	Apaf1	78963	1,18	up
6681431	7323725	1680444	apoptotic peptidase activating factor 1	Apaf1	78963	1,17	down
5838404	7323725	1680458	apoptotic peptidase activating factor 1	Apaf1	78963	1,17	up
6015782	7323725	1680460	apoptotic peptidase activating factor 1	Apaf1	78963	1,15	up
6618357	7323725	1680462	apoptotic peptidase activating factor 1	Apaf1	78963	1,11	up
6180627	7323725	1680467	apoptotic peptidase activating factor 1	Apaf1	78963	1,11	down
6030794	7323725	1680457	apoptotic peptidase activating factor 1	Apaf1	78963	1,09	up
6355215	7323725	1680465	apoptotic peptidase activating factor 1	Apaf1	78963	1,05	up
6127302	7323725	1680456	apoptotic peptidase activating factor 1	Apaf1	78963	1,05	up
5992340	7323725	1680455	apoptotic peptidase activating factor 1	Apaf1	78963	1,03	down
6233556	7323725	1680454	apoptotic peptidase activating factor 1	Apaf1	78963	1,02	up
5657024	7323725	1680451	apoptotic peptidase activating factor 1	Apaf1	78963	1,01	down
6160921	7323725	1680452	apoptotic peptidase activating factor 1	Apaf1	78963	1,01	down
5885574	7323725	1680464	apoptotic peptidase activating factor 1	Apaf1	78963	1,01	up
6161740	7285292	1585568	aquaporin 3	Aqp3	65133	2,17	up
6556532	7285292	1585573	aquaporin 3	Aqp3	65133	1,44	down
6096046	7285292	1585572	aquaporin 3	Aqp3	65133	1,19	down
6589590	7285292	1585569	aquaporin 3	Aqp3	65133	1,16	up
5932860	7285292	1585567	aquaporin 3	Aqp3	65133	1,13	down
6494557	7285292	1585570	aquaporin 3	Aqp3	65133	1,06	up
6513991	7285292	1585573	aquaporin 3	Aqp3	65133	1,03	up
6486139	7285292	1585571	aquaporin 3	Aqp3	65133	1,00	down
6253510	7068995	1053635	arachidonate lipoxygenase 3	Aloxe3	287424	1,74	up
5824088	7068995	1053628	arachidonate lipoxygenase 3	Aloxe3	287424	1,52	down
5695541	7068995	1053634	arachidonate lipoxygenase 3	Aloxe3	287424	1,46	down
6006093	7068995	1053633	arachidonate lipoxygenase 3	Aloxe3	287424	1,33	down
5895682	7068995	1053623	arachidonate lipoxygenase 3	Aloxe3	287424	1,32	up
6744203	7068995	1053636	arachidonate lipoxygenase 3	Aloxe3	287424	1,31	down
6409395	7068995	1053629	arachidonate lipoxygenase 3	Aloxe3	287424	1,31	down
6536725	7068995	1053625	arachidonate lipoxygenase 3	Aloxe3	287424	1,21	down
6184417	7068995	1053626	arachidonate lipoxygenase 3	Aloxe3	287424	1,20	up
6194526	7068995	1053627	arachidonate lipoxygenase 3	Aloxe3	287424	1,13	up
5984784	7068995	1053625	arachidonate lipoxygenase 3	Aloxe3	287424	1,10	up
6572388	7068995	1053622	arachidonate lipoxygenase 3	Aloxe3	287424	1,08	up
5639211	7068995	1053634	arachidonate lipoxygenase 3	Aloxe3	287424	1,05	down
5856343	7068995	1053632	arachidonate lipoxygenase 3	Aloxe3	287424	1,02	down
6119437	7068995	1053637	arachidonate lipoxygenase 3	Aloxe3	287424	1,01	up
6448384	7068995	1053631	arachidonate lipoxygenase 3	Aloxe3	287424	1,01	down
6641617	7068995	1053637	arachidonate lipoxygenase 3	Aloxe3	287424	1,01	down
6149036	7068995	1053630	arachidonate lipoxygenase 3	Aloxe3	287424	1,00	down
6692219	7079238	1077803	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,52	up
6265831	7079238	1077805	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,49	down
6193027	7079238	1077804	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,38	up
6437657	7079238	1077805	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,31	up
6350761	7079238	1077802	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,28	up
6006202	7079238	1077802	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,14	up
6661073	7079238	1077802	ArfGAP with coiled-coil, ankyrin repeat and PH domains 1	Acap1	287443	1,09	down
6617221	7282343	1578687	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,94	down
6458715	7282343	1578680	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,81	up
5925764	7282343	1578662	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,75	down
5904326	7282343	1578686	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,72	up
5717185	7282343	1578667	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,60	up
5693237	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,57	up

5823929	7282343	1578686	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,53	down
6267628	7282343	1578669	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,52	down
6641421	7282343	1578676	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,42	up
6686133	7282343	1578670	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,40	down
6017723	7282343	1578691	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,38	up
6135490	7282343	1578690	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,31	up
6351266	7282343	1578673	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,30	up
6470869	7282343	1578689	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,29	down
6638859	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,27	down
6539326	7282343	1578672	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,26	up
6260332	7282343	1578691	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,26	down
5826245	7282343	1578686	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,26	down
5664118	7282343	1578684	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,23	up
6248054	7282343	1578679	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,21	up
6664485	7282343	1578685	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,18	up
6034431	7282343	1578684	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,12	up
5683422	7282343	1578675	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,09	up
6355824	7282343	1578682	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,07	down
6344437	7282343	1578671	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,07	down
6198204	7282343	1578688	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,06	up
5874786	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,06	up
6264606	7282343	1578681	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,06	up
6486960	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,05	down
5878399	7282343	1578692	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,05	down
6395737	7282343	1578663	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,04	down
5876195	7282343	1578674	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,02	up
6651701	7282343	1578683	ArfGAP with coiled-coil, ankyrin repeat and PH domains 3	Acap3	313772	1,01	down
6120512	7096975	1119719	ArfGAP with dual PH domains 1	Adap1	171097	2,25	down
5849945	7096975	1119710	ArfGAP with dual PH domains 1	Adap1	171097	1,75	down
5931035	7096975	1119711	ArfGAP with dual PH domains 1	Adap1	171097	1,58	up
5699710	7096975	1119719	ArfGAP with dual PH domains 1	Adap1	171097	1,58	down
5836608	7096975	1119719	ArfGAP with dual PH domains 1	Adap1	171097	1,54	down
5926525	7096975	1119719	ArfGAP with dual PH domains 1	Adap1	171097	1,52	up
6300037	7096975	1119719	ArfGAP with dual PH domains 1	Adap1	171097	1,45	up
6587667	7096975	1119717	ArfGAP with dual PH domains 1	Adap1	171097	1,38	up
6198890	7096975	1119718	ArfGAP with dual PH domains 1	Adap1	171097	1,31	down
6231134	7096975	1119712	ArfGAP with dual PH domains 1	Adap1	171097	1,18	up
6472742	7096975	1119714	ArfGAP with dual PH domains 1	Adap1	171097	1,13	down
6432215	7096975	1119719	ArfGAP with dual PH domains 1	Adap1	171097	1,11	up
5896470	7096975	1119715	ArfGAP with dual PH domains 1	Adap1	171097	1,06	up
5661173	7096975	1119709	ArfGAP with dual PH domains 1	Adap1	171097	1,04	up
6711869	7096975	1119716	ArfGAP with dual PH domains 1	Adap1	171097	1,01	down
5968662	7096975	1119713	ArfGAP with dual PH domains 1	Adap1	171097	1,00	up
6160570	7260488	1523922	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,54	down
5704638	7260488	1523916	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,52	up
6530945	7260488	1523930	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,49	up
5658959	7260488	1523911	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,39	up
5724833	7260488	1523910	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,36	up
6441048	7260488	1523922	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,35	up
6239821	7260488	1523925	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,24	down
5775152	7260488	1523929	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,23	up
6128435	7260488	1523913	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,20	up
6624974	7260488	1523909	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,20	up
6026928	7260488	1523914	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,19	down
6126724	7260488	1523930	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,15	up
6378084	7260488	1523928	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,14	up
6732718	7260488	1523921	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,10	up

6433188	7260488	1523909	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,09	up
5984931	7260488	1523920	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,07	up
5945073	7260488	1523912	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,04	up
6448311	7260488	1523918	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,03	up
5825160	7260488	1523916	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,02	down
5890074	7260488	1523930	ArfGAP with GTPase domain, ankyrin repeat and PH domain 3	Agap3	362300	1,01	down
5775506	7118864	1174358	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	2,52	down
6495966	7118864	1174363	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,57	up
5873004	7118864	1174356	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,44	up
6298281	7118864	1174326	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,43	down
6033679	7118864	1174321	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,41	up
6183358	7118864	1174358	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,40	down
5956465	7118864	1174335	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,39	up
6148717	7118864	1174338	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,36	up
6721283	7118864	1174357	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,34	up
5827254	7118864	1174363	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,29	up
6688218	7118864	1174359	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,29	up
6605327	7118864	1174332	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,27	up
6560011	7118864	1174347	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,26	up
6401176	7118864	1174354	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,25	up
6035320	7118864	1174337	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,23	up
6157645	7118864	1174334	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,22	up
6300406	7118864	1174330	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,21	down
6193568	7118864	1174349	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,19	up
6140769	7118864	1174339	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,15	up
5946418	7118864	1174340	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,15	up
5734448	7118864	1174325	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,15	up
6614959	7118864	1174331	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,13	up
6741135	7118864	1174362	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,13	down
5674122	7118864	1174361	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,10	up
6006802	7118864	1174342	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,10	down
6428989	7118864	1174341	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,10	up
5828831	7118864	1174350	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,09	up
5822431	7118864	1174343	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,09	down
5888246	7118864	1174328	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,08	down
6638396	7118864	1174355	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,05	up
5926552	7118864	1174346	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,03	down
5951201	7118864	1174336	ArfGAP with RhoGAP domain, ankyrin repeat and PH domain 2	Arap2	305367	1,03	up
6397133	7151468	1254156	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	2,44	up
5718409	7151468	1254167	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	2,07	down
6168886	7151468	1254151	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	2,05	down
6014142	7151468	1254146	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	2,04	down
5898027	7151468	1254145	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,82	down
6616482	7151468	1254154	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,77	up
6541345	7151468	1254166	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,72	down
5987679	7151468	1254147	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,70	up
5747520	7151468	1254161	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,68	up
6538998	7151468	1254163	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,65	up
5877518	7151468	1254156	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,51	up
6701006	7151468	1254163	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,50	up
5671356	7151468	1254152	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,49	down
5818651	7151468	1254156	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,46	up
5818988	7151468	1254169	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,44	up
6572138	7151468	1254157	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,42	down
6248775	7151468	1254168	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,31	up
6592698	7151468	1254149	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,28	down
6041232	7151468	1254162	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,24	down

6156251	7151468	1254159	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,24	down
6087516	7151468	1254169	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,23	down
6117034	7151468	1254155	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,23	up
6121053	7151468	1254164	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,20	up
5943858	7151468	1254160	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,19	up
6607649	7151468	1254158	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,18	down
5653337	7151468	1254147	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,16	down
6467388	7151468	1254150	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,14	down
5949692	7151468	1254148	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,12	down
6111481	7151468	1254165	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,11	up
6151152	7151468	1254167	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,06	up
6674895	7151468	1254153	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,03	down
5709283	7151468	1254166	Arg/Abl-interacting protein ArgBP2	Argbp2	114901	1,01	up
6594390	7025757	950684	arginase, liver	Arg1	29221	2,07	up
6614993	7025757	950688	arginase, liver	Arg1	29221	1,74	up
6473822	7025757	950691	arginase, liver	Arg1	29221	1,43	down
6102378	7025757	950691	arginase, liver	Arg1	29221	1,39	down
6125998	7025757	950687	arginase, liver	Arg1	29221	1,36	down
5685085	7025757	950685	arginase, liver	Arg1	29221	1,26	down
5993487	7025757	950692	arginase, liver	Arg1	29221	1,25	down
6696762	7025757	950690	arginase, liver	Arg1	29221	1,07	down
6363596	7025757	950688	arginase, liver	Arg1	29221	1,03	down
5871671	7025757	950686	arginase, liver	Arg1	29221	1,03	up
6142137	7025757	950689	arginase, liver	Arg1	29221	1,01	up
6545267	7226167	1437583	argininosuccinate synthetase 1	Ass1	25698	7,63	down
6167548	7226167	1437568	argininosuccinate synthetase 1	Ass1	25698	6,13	down
6349866	7226167	1437573	argininosuccinate synthetase 1	Ass1	25698	1,73	up
6317537	7226167	1437574	argininosuccinate synthetase 1	Ass1	25698	1,60	up
6584053	7226167	1437572	argininosuccinate synthetase 1	Ass1	25698	1,53	up
6399173	7226167	1437575	argininosuccinate synthetase 1	Ass1	25698	1,38	up
6054220	7226167	1437576	argininosuccinate synthetase 1	Ass1	25698	1,38	up
5912052	7226167	1437579	argininosuccinate synthetase 1	Ass1	25698	1,34	up
6198354	7226167	1437580	argininosuccinate synthetase 1	Ass1	25698	1,29	down
6606352	7226167	1437570	argininosuccinate synthetase 1	Ass1	25698	1,28	down
6284563	7226167	1437577	argininosuccinate synthetase 1	Ass1	25698	1,22	up
6221232	7226167	1437571	argininosuccinate synthetase 1	Ass1	25698	1,14	up
6590340	7226167	1437578	argininosuccinate synthetase 1	Ass1	25698	1,10	down
6343511	7226167	1437580	argininosuccinate synthetase 1	Ass1	25698	1,08	down
6448486	7226167	1437582	argininosuccinate synthetase 1	Ass1	25698	1,06	down
6743942	7226167	1437581	argininosuccinate synthetase 1	Ass1	25698	1,05	down
6600588	7226167	1437583	argininosuccinate synthetase 1	Ass1	25698	1,04	up
5867901	7226167	1437569	argininosuccinate synthetase 1	Ass1	25698	1,01	down
6508785	7375561	1810495	aristaless related homeobox	Arx	317268	2,55	down
6128869	7375561	1810505	aristaless related homeobox	Arx	317268	1,75	down
6095146	7375561	1810500	aristaless related homeobox	Arx	317268	1,74	down
5681309	7375561	1810505	aristaless related homeobox	Arx	317268	1,59	down
6391664	7375561	1810499	aristaless related homeobox	Arx	317268	1,32	up
6272174	7375561	1810499	aristaless related homeobox	Arx	317268	1,31	up
6247329	7375561	1810499	aristaless related homeobox	Arx	317268	1,27	up
5922272	7375561	1810499	aristaless related homeobox	Arx	317268	1,23	down
6429836	7375561	1810499	aristaless related homeobox	Arx	317268	1,15	up
5835692	7375561	1810503	aristaless related homeobox	Arx	317268	1,11	up
6481716	7375561	1810498	aristaless related homeobox	Arx	317268	1,08	down
5850664	7375561	1810505	aristaless related homeobox	Arx	317268	1,06	down
5930242	7375561	1810498	aristaless related homeobox	Arx	317268	1,04	up
6153680	7375561	1810499	aristaless related homeobox	Arx	317268	1,02	down
6169560	7073650	1064991	armadillo repeat containing 7	Armc7	287827	2,46	down

6151783	7073650	1064992	armadillo repeat containing 7	Armc7	287827	1,19	up
5940819	7073650	1064991	armadillo repeat containing 7	Armc7	287827	1,05	up
6247401	7073650	1064991	armadillo repeat containing 7	Armc7	287827	1,03	up
6283194	7073650	1064992	armadillo repeat containing 7	Armc7	287827	1,02	down
5747526	7349313	1743101	armadillo repeat containing 8	Armc8	315949	1,56	up
5928409	7349313	1743101	armadillo repeat containing 8	Armc8	315949	1,55	down
6511381	7349313	1743111	armadillo repeat containing 8	Armc8	315949	1,43	down
6528014	7349313	1743128	armadillo repeat containing 8	Armc8	315949	1,40	up
6320886	7349313	1743132	armadillo repeat containing 8	Armc8	315949	1,38	up
5910562	7349313	1743114	armadillo repeat containing 8	Armc8	315949	1,37	down
6737052	7349313	1743113	armadillo repeat containing 8	Armc8	315949	1,28	down
5953234	7349313	1743120	armadillo repeat containing 8	Armc8	315949	1,25	up
6100100	7349313	1743126	armadillo repeat containing 8	Armc8	315949	1,23	up
6148019	7349313	1743105	armadillo repeat containing 8	Armc8	315949	1,23	up
6658226	7349313	1743109	armadillo repeat containing 8	Armc8	315949	1,23	up
5887798	7349313	1743125	armadillo repeat containing 8	Armc8	315949	1,15	up
6246715	7349313	1743128	armadillo repeat containing 8	Armc8	315949	1,11	up
5952722	7349313	1743120	armadillo repeat containing 8	Armc8	315949	1,11	up
5695495	7349313	1743110	armadillo repeat containing 8	Armc8	315949	1,10	up
5674841	7349313	1743120	armadillo repeat containing 8	Armc8	315949	1,10	up
5732941	7349313	1743119	armadillo repeat containing 8	Armc8	315949	1,08	up
5673645	7349313	1743108	armadillo repeat containing 8	Armc8	315949	1,08	down
6250324	7349313	1743121	armadillo repeat containing 8	Armc8	315949	1,07	up
6701852	7349313	1743104	armadillo repeat containing 8	Armc8	315949	1,05	up
5959905	7349313	1743122	armadillo repeat containing 8	Armc8	315949	1,04	up
6091338	7349313	1743114	armadillo repeat containing 8	Armc8	315949	1,03	down
5888568	7349313	1743124	armadillo repeat containing 8	Armc8	315949	1,03	down
5768799	7349313	1743127	armadillo repeat containing 8	Armc8	315949	1,01	down
6531051	7349313	1743123	armadillo repeat containing 8	Armc8	315949	1,01	down
6542705	7349313	1743122	armadillo repeat containing 8	Armc8	315949	1,01	down
6392978	7260372	1523666	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	2,22	up
5760911	7260372	1523670	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,74	up
6713705	7260372	1523681	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,47	down
6259079	7260372	1523664	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,45	up
6133082	7260372	1523679	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,40	up
6305636	7260372	1523674	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,33	down
6432716	7260372	1523678	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,25	up
6431155	7260372	1523664	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,13	down
6126481	7260372	1523665	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,12	down
5929979	7260372	1523675	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,11	down
6040723	7260372	1523673	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,04	up
5717824	7260372	1523683	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,02	up
6536144	7260372	1523671	ARP3 actin-related protein 3 homolog B (yeast)	Actr3b	362298	1,00	down
6334982	7034498	972568	arrestin, beta 1	Arrb1	25387	2,23	down
6344876	7034498	972573	arrestin, beta 1	Arrb1	25387	1,77	up
5902401	7034498	972578	arrestin, beta 1	Arrb1	25387	1,62	down
5639150	7034498	972570	arrestin, beta 1	Arrb1	25387	1,36	up
6637127	7034498	972571	arrestin, beta 1	Arrb1	25387	1,29	up
5693004	7034498	972567	arrestin, beta 1	Arrb1	25387	1,26	down
6399357	7034498	972577	arrestin, beta 1	Arrb1	25387	1,24	up
6717010	7034498	972572	arrestin, beta 1	Arrb1	25387	1,24	down
6235738	7034498	972576	arrestin, beta 1	Arrb1	25387	1,20	down
6651639	7034498	972569	arrestin, beta 1	Arrb1	25387	1,15	up
5938704	7034498	972574	arrestin, beta 1	Arrb1	25387	1,13	up
6541182	7034498	972580	arrestin, beta 1	Arrb1	25387	1,08	down
5948525	7034498	972575	arrestin, beta 1	Arrb1	25387	1,05	down
6711253	7034498	972579	arrestin, beta 1	Arrb1	25387	1,02	up

5994593	7290406	1597668	artemin	Artn	362572	2,42	up
6741962	7290406	1597669	artemin	Artn	362572	1,78	up
5864857	7290406	1597671	artemin	Artn	362572	1,61	down
5966491	7290406	1597669	artemin	Artn	362572	1,52	down
6340353	7290406	1597669	artemin	Artn	362572	1,38	down
5890204	7290406	1597668	artemin	Artn	362572	1,24	up
5675501	7290406	1597669	artemin	Artn	362572	1,17	up
6396548	7290406	1597667	artemin	Artn	362572	1,07	up
5824069	7290406	1597672	artemin	Artn	362572	1,06	up
6194116	7290406	1597671	artemin	Artn	362572	1,05	down
5733080	7290406	1597668	artemin	Artn	362572	1,03	up
5960289	7290406	1597670	artemin	Artn	362572	1,01	up
5907001	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,58	up
6202970	7305728	1637015	aryl hydrocarbon receptor	Ahr	25690	1,57	down
6412410	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,38	up
5861061	7305728	1637009	aryl hydrocarbon receptor	Ahr	25690	1,36	down
6636637	7305728	1637008	aryl hydrocarbon receptor	Ahr	25690	1,30	down
6179101	7305728	1637017	aryl hydrocarbon receptor	Ahr	25690	1,26	up
6480946	7305728	1637018	aryl hydrocarbon receptor	Ahr	25690	1,26	down
5772044	7305728	1637016	aryl hydrocarbon receptor	Ahr	25690	1,24	up
5641781	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,23	up
6450565	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,18	down
6013045	7305728	1637011	aryl hydrocarbon receptor	Ahr	25690	1,09	up
6252739	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,08	up
6553122	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,06	up
5836090	7305728	1637014	aryl hydrocarbon receptor	Ahr	25690	1,05	down
6697761	7305728	1637013	aryl hydrocarbon receptor	Ahr	25690	1,05	down
6078595	7305728	1637012	aryl hydrocarbon receptor	Ahr	25690	1,05	up
5662173	7305728	1637013	aryl hydrocarbon receptor	Ahr	25690	1,04	up
5781859	7305728	1637010	aryl hydrocarbon receptor	Ahr	25690	1,02	up
5927924	7305728	1637019	aryl hydrocarbon receptor	Ahr	25690	1,01	up
6383806	7196966	1367640	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	2,28	down
5929568	7196966	1367631	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	2,10	down
6712088	7196966	1367634	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,45	up
6053360	7196966	1367644	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,40	up
6254791	7196966	1367634	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,35	up
6475821	7196966	1367650	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,33	up
5877052	7196966	1367636	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,30	up
6046516	7196966	1367630	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,28	up
6178310	7196966	1367635	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,26	up
5749068	7196966	1367643	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,26	down
5960755	7196966	1367636	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,25	up
6589829	7196966	1367639	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,25	up
5693055	7196966	1367645	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,20	up
6037680	7196966	1367629	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,17	up
6379950	7196966	1367632	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,17	up
6050349	7196966	1367646	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,14	up
6438112	7196966	1367647	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,14	down
6582301	7196966	1367638	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,13	down
6738716	7196966	1367641	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,08	down
5938284	7196966	1367634	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,06	down
5991420	7196966	1367649	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,06	up
6301649	7196966	1367642	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,05	down
6315340	7196966	1367651	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,05	down
6277591	7196966	1367648	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,05	down
6171596	7196966	1367635	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,04	up
6222315	7196966	1367640	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,02	down

5832169	7196966	1367637	aryl hydrocarbon receptor nuclear translocator	Arnt	25242	1,01	up
6161566	7188458	1345737	arylsulfatase B	Arsb	25227	1,79	down
5915857	7188458	1345737	arylsulfatase B	Arsb	25227	1,45	up
6182469	7188458	1345709	arylsulfatase B	Arsb	25227	1,42	down
6137835	7188458	1345708	arylsulfatase B	Arsb	25227	1,40	down
6512206	7188458	1345736	arylsulfatase B	Arsb	25227	1,33	down
6639275	7188458	1345706	arylsulfatase B	Arsb	25227	1,27	down
6217458	7188458	1345726	arylsulfatase B	Arsb	25227	1,24	up
6716800	7188458	1345709	arylsulfatase B	Arsb	25227	1,18	down
6541705	7188458	1345715	arylsulfatase B	Arsb	25227	1,13	down
6521242	7188458	1345735	arylsulfatase B	Arsb	25227	1,04	down
5798086	7188458	1345705	arylsulfatase B	Arsb	25227	1,01	down
6518546	7105814	1141774	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	2,10	down
5942959	7105814	1141774	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,88	down
6672222	7105814	1141803	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,78	up
6179095	7105814	1141789	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,69	down
6387669	7105814	1141798	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,63	up
6242291	7105814	1141791	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,52	up
6319296	7105814	1141785	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,50	down
6279276	7105814	1141776	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,48	down
6592296	7105814	1141794	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,43	down
6466133	7105814	1141782	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,31	down
6575316	7105814	1141802	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,30	up
5782337	7105814	1141793	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,29	down
5780628	7105814	1141784	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,29	down
6127386	7105814	1141799	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,29	up
6684861	7105814	1141792	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,29	up
5943908	7105814	1141785	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,28	up
6175856	7105814	1141791	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,24	up
6382843	7105814	1141786	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,22	up
5940328	7105814	1141783	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,19	down
6224315	7105814	1141790	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,18	down
6017191	7105814	1141802	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,16	down
6445708	7105814	1141795	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,15	up
5880851	7105814	1141791	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,12	up
6230663	7105814	1141804	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,11	up
5859759	7105814	1141796	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,11	up
5762811	7105814	1141786	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,11	up
5797639	7105814	1141780	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,09	up
5859471	7105814	1141794	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,09	up
5986520	7105814	1141788	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,08	up
5910820	7105814	1141779	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,07	up
5643006	7105814	1141787	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,06	up
5877333	7105814	1141777	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,06	up
6392478	7105814	1141797	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,04	down
5649128	7105814	1141781	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,03	down
5957665	7105814	1141800	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,03	down
5849143	7105814	1141777	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,02	down
5854761	7105814	1141787	asp (abnormal spindle) homolog, microcephaly associated (Drosophila)	Aspm	289054	1,01	up
6637661	7283659	1581796	aspartate-beta-hydroxylase	Asph	312981	2,13	down
5906797	7283659	1581794	aspartate-beta-hydroxylase	Asph	312981	1,78	up
6307432	7283659	1581794	aspartate-beta-hydroxylase	Asph	312981	1,56	up
6320308	7283659	1581794	aspartate-beta-hydroxylase	Asph	312981	1,42	up
5993006	7283659	1581796	aspartate-beta-hydroxylase	Asph	312981	1,37	down
6173038	7283659	1581797	aspartate-beta-hydroxylase	Asph	312981	1,29	down
6242987	7283659	1581795	aspartate-beta-hydroxylase	Asph	312981	1,26	up
5930131	7151063	1253067	aspartylglucosaminidase	Aga	290923	1,70	down

6424896	7151063	1253063	aspartylglucosaminidase	Aga	290923	1,34	up
6261318	7151063	1253064	aspartylglucosaminidase	Aga	290923	1,25	up
5767508	7151063	1253073	aspartylglucosaminidase	Aga	290923	1,24	down
6479341	7151063	1253062	aspartylglucosaminidase	Aga	290923	1,24	down
6572963	7151063	1253068	aspartylglucosaminidase	Aga	290923	1,23	down
6449602	7151063	1253070	aspartylglucosaminidase	Aga	290923	1,22	down
5666897	7151063	1253069	aspartylglucosaminidase	Aga	290923	1,11	down
6126702	7151063	1253065	aspartylglucosaminidase	Aga	290923	1,10	down
6206504	7113083	1159966	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	2,23	down
5751285	7113083	1159975	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,79	down
6317345	7113083	1159970	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,78	down
5734987	7113083	1159966	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,42	down
5635886	7113083	1159971	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,33	up
5837611	7113083	1159980	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,24	down
5961303	7113083	1159963	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,21	up
5995714	7113083	1159967	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,19	up
6446439	7113083	1159977	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,19	down
5881011	7113083	1159964	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,18	down
6198335	7113083	1159963	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,18	up
6707338	7113083	1159972	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,16	down
5673313	7113083	1159969	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,14	up
6304189	7113083	1159973	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,14	up
6598995	7113083	1159978	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,12	down
6375205	7113083	1159976	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,10	up
5694754	7113083	1159979	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,09	down
5841446	7113083	1159974	aspartyl-tRNA synthetase 2 (mitochondrial)	Dars2	304919	1,04	down
6063592	7106752	1144031	astrotactin 1	Astn1	304900	1,44	down
5816132	7106752	1144029	astrotactin 1	Astn1	304900	1,11	down
5984151	7106752	1144030	astrotactin 1	Astn1	304900	1,09	down
6260822	7353382	1753229	AT rich interactive domain 5A (Mrf1 like)	Arid5a	316327	1,95	up
6540412	7353382	1753228	AT rich interactive domain 5A (Mrf1 like)	Arid5a	316327	1,50	up
6473765	7353382	1753227	AT rich interactive domain 5A (Mrf1 like)	Arid5a	316327	1,43	down
6359916	7353382	1753227	AT rich interactive domain 5A (Mrf1 like)	Arid5a	316327	1,28	up
6292405	7353382	1753229	AT rich interactive domain 5A (Mrf1 like)	Arid5a	316327	1,05	down
5626024	7057226	1025448	ataxin 2-like	Atxn2l	361649	4,65	down
5852604	7057226	1025448	ataxin 2-like	Atxn2l	361649	1,41	down
5741407	7057226	1025427	ataxin 2-like	Atxn2l	361649	1,34	down
5873011	7057226	1025425	ataxin 2-like	Atxn2l	361649	1,33	down
6166033	7057226	1025429	ataxin 2-like	Atxn2l	361649	1,30	up
6206043	7057226	1025427	ataxin 2-like	Atxn2l	361649	1,30	down
6081021	7057226	1025426	ataxin 2-like	Atxn2l	361649	1,28	down
5661837	7057226	1025429	ataxin 2-like	Atxn2l	361649	1,26	up
5871173	7057226	1025432	ataxin 2-like	Atxn2l	361649	1,21	up
6533482	7057226	1025429	ataxin 2-like	Atxn2l	361649	1,19	up
6158936	7057226	1025437	ataxin 2-like	Atxn2l	361649	1,19	down
6602480	7057226	1025438	ataxin 2-like	Atxn2l	361649	1,19	up
6613400	7057226	1025438	ataxin 2-like	Atxn2l	361649	1,18	up
6029974	7057226	1025430	ataxin 2-like	Atxn2l	361649	1,18	up
6258586	7057226	1025449	ataxin 2-like	Atxn2l	361649	1,18	up
6186598	7057226	1025443	ataxin 2-like	Atxn2l	361649	1,16	up
5974130	7057226	1025445	ataxin 2-like	Atxn2l	361649	1,16	down
5863117	7057226	1025446	ataxin 2-like	Atxn2l	361649	1,14	down
5759199	7057226	1025448	ataxin 2-like	Atxn2l	361649	1,14	down
5996065	7057226	1025433	ataxin 2-like	Atxn2l	361649	1,13	up
6018544	7057226	1025435	ataxin 2-like	Atxn2l	361649	1,11	up
6437809	7057226	1025427	ataxin 2-like	Atxn2l	361649	1,10	up
6170314	7057226	1025431	ataxin 2-like	Atxn2l	361649	1,09	up

6304636	7057226	1025432	ataxin 2-like	Atxn2l	361649	1,08	up
6581764	7057226	1025439	ataxin 2-like	Atxn2l	361649	1,08	up
6383712	7057226	1025441	ataxin 2-like	Atxn2l	361649	1,07	up
6262877	7057226	1025440	ataxin 2-like	Atxn2l	361649	1,07	down
6615556	7057226	1025441	ataxin 2-like	Atxn2l	361649	1,05	down
5635642	7057226	1025448	ataxin 2-like	Atxn2l	361649	1,05	up
5730947	7057226	1025428	ataxin 2-like	Atxn2l	361649	1,04	down
5916803	7057226	1025436	ataxin 2-like	Atxn2l	361649	1,03	up
6446899	7057226	1025427	ataxin 2-like	Atxn2l	361649	1,03	down
6077833	7057226	1025444	ataxin 2-like	Atxn2l	361649	1,03	up
6475688	7057226	1025434	ataxin 2-like	Atxn2l	361649	1,03	down
6660903	7057226	1025442	ataxin 2-like	Atxn2l	361649	1,02	up
5968818	7297274	1614633	ataxin 7-like 1	Atxn7l1	314033	1,31	up
5749292	7297274	1614633	ataxin 7-like 1	Atxn7l1	314033	1,14	up
6394658	7287337	1589994	AT-hook transcription factor	Akna	362530	3,26	up
6539870	7287337	1589984	AT-hook transcription factor	Akna	362530	2,71	down
6072461	7287337	1589987	AT-hook transcription factor	Akna	362530	2,68	up
5838591	7287337	1589996	AT-hook transcription factor	Akna	362530	2,51	up
6120194	7287337	1589993	AT-hook transcription factor	Akna	362530	2,49	up
5729785	7287337	1589994	AT-hook transcription factor	Akna	362530	2,38	down
6522448	7287337	1589982	AT-hook transcription factor	Akna	362530	2,28	up
6711280	7287337	1589992	AT-hook transcription factor	Akna	362530	2,25	up
5866648	7287337	1589997	AT-hook transcription factor	Akna	362530	2,20	down
6346685	7287337	1589969	AT-hook transcription factor	Akna	362530	2,17	up
6000745	7287337	1589975	AT-hook transcription factor	Akna	362530	2,14	down
5625236	7287337	1589988	AT-hook transcription factor	Akna	362530	2,11	up
6190516	7287337	1589969	AT-hook transcription factor	Akna	362530	1,77	down
5751463	7287337	1589979	AT-hook transcription factor	Akna	362530	1,74	up
6016620	7287337	1589971	AT-hook transcription factor	Akna	362530	1,63	up
6573001	7287337	1589972	AT-hook transcription factor	Akna	362530	1,60	down
6199863	7287337	1589977	AT-hook transcription factor	Akna	362530	1,53	up
6222446	7287337	1589994	AT-hook transcription factor	Akna	362530	1,49	up
6488379	7287337	1589994	AT-hook transcription factor	Akna	362530	1,43	up
6331168	7287337	1589980	AT-hook transcription factor	Akna	362530	1,43	up
6640918	7287337	1589971	AT-hook transcription factor	Akna	362530	1,40	up
6303469	7287337	1589990	AT-hook transcription factor	Akna	362530	1,37	up
5864584	7287337	1589983	AT-hook transcription factor	Akna	362530	1,34	down
6206377	7287337	1589996	AT-hook transcription factor	Akna	362530	1,31	up
5942283	7287337	1589987	AT-hook transcription factor	Akna	362530	1,25	up
6163202	7287337	1589986	AT-hook transcription factor	Akna	362530	1,21	up
6744974	7287337	1589990	AT-hook transcription factor	Akna	362530	1,20	up
5821889	7287337	1589974	AT-hook transcription factor	Akna	362530	1,18	down
5645468	7287337	1589990	AT-hook transcription factor	Akna	362530	1,14	up
6386896	7287337	1589973	AT-hook transcription factor	Akna	362530	1,12	up
6660795	7181442	1328886	ATM interactor	Atmin	315037	1,39	up
6404385	7181442	1328886	ATM interactor	Atmin	315037	1,29	up
5775623	7181442	1328886	ATM interactor	Atmin	315037	1,18	up
5823051	7181442	1328886	ATM interactor	Atmin	315037	1,06	down
6487787	7159732	1274501	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	2,03	down
6246821	7159732	1274500	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,51	up
6238003	7159732	1274496	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,25	down
6170950	7159732	1274494	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,20	up
5817398	7159732	1274499	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,16	up
5642831	7159732	1274497	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,07	down
6713564	7159732	1274493	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,05	down
6162547	7159732	1274498	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,04	down
5990994	7159732	1274495	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma polypeptide 1	Atp5c1	116550	1,03	up

6459082	7155116	1263397	ATP/GTP binding protein 1	Agtppb1	290986	1,69	down
6665469	7155116	1263404	ATP/GTP binding protein 1	Agtppb1	290986	1,55	up
6591373	7155116	1263421	ATP/GTP binding protein 1	Agtppb1	290986	1,52	down
6426612	7155116	1263390	ATP/GTP binding protein 1	Agtppb1	290986	1,41	up
6228486	7155116	1263443	ATP/GTP binding protein 1	Agtppb1	290986	1,41	down
6439384	7155116	1263391	ATP/GTP binding protein 1	Agtppb1	290986	1,36	up
6701266	7155116	1263401	ATP/GTP binding protein 1	Agtppb1	290986	1,31	up
6550758	7155116	1263406	ATP/GTP binding protein 1	Agtppb1	290986	1,31	down
6671437	7155116	1263440	ATP/GTP binding protein 1	Agtppb1	290986	1,30	down
6347335	7155116	1263412	ATP/GTP binding protein 1	Agtppb1	290986	1,25	down
5976704	7155116	1263431	ATP/GTP binding protein 1	Agtppb1	290986	1,21	down
6733976	7155116	1263422	ATP/GTP binding protein 1	Agtppb1	290986	1,20	down
6742351	7155116	1263392	ATP/GTP binding protein 1	Agtppb1	290986	1,18	up
5758259	7155116	1263427	ATP/GTP binding protein 1	Agtppb1	290986	1,17	down
5618140	7155116	1263405	ATP/GTP binding protein 1	Agtppb1	290986	1,17	down
6263411	7155116	1263391	ATP/GTP binding protein 1	Agtppb1	290986	1,16	down
5731357	7155116	1263394	ATP/GTP binding protein 1	Agtppb1	290986	1,15	up
6049599	7155116	1263442	ATP/GTP binding protein 1	Agtppb1	290986	1,15	down
6132197	7155116	1263405	ATP/GTP binding protein 1	Agtppb1	290986	1,14	up
6188706	7155116	1263416	ATP/GTP binding protein 1	Agtppb1	290986	1,14	down
5912424	7155116	1263398	ATP/GTP binding protein 1	Agtppb1	290986	1,14	up
6692730	7155116	1263406	ATP/GTP binding protein 1	Agtppb1	290986	1,13	down
6248300	7155116	1263439	ATP/GTP binding protein 1	Agtppb1	290986	1,10	down
6235048	7155116	1263415	ATP/GTP binding protein 1	Agtppb1	290986	1,10	up
6134142	7155116	1263423	ATP/GTP binding protein 1	Agtppb1	290986	1,07	down
6006334	7155116	1263410	ATP/GTP binding protein 1	Agtppb1	290986	1,07	up
5790687	7155116	1263401	ATP/GTP binding protein 1	Agtppb1	290986	1,07	down
6306284	7155116	1263413	ATP/GTP binding protein 1	Agtppb1	290986	1,07	down
6682337	7155116	1263400	ATP/GTP binding protein 1	Agtppb1	290986	1,06	down
5916001	7155116	1263424	ATP/GTP binding protein 1	Agtppb1	290986	1,05	up
5673188	7155116	1263417	ATP/GTP binding protein 1	Agtppb1	290986	1,04	down
5873509	7155116	1263399	ATP/GTP binding protein 1	Agtppb1	290986	1,04	up
6567658	7155116	1263443	ATP/GTP binding protein 1	Agtppb1	290986	1,03	down
6537997	7155116	1263443	ATP/GTP binding protein 1	Agtppb1	290986	1,03	down
6157775	7061948	1036362	ATPase family, AAA domain containing 1	Atad1	309532	1,78	down
6352464	7061948	1036359	ATPase family, AAA domain containing 1	Atad1	309532	1,51	up
6651641	7061948	1036360	ATPase family, AAA domain containing 1	Atad1	309532	1,33	up
5713157	7061948	1036371	ATPase family, AAA domain containing 1	Atad1	309532	1,33	up
6367533	7061948	1036366	ATPase family, AAA domain containing 1	Atad1	309532	1,22	up
6554326	7061948	1036369	ATPase family, AAA domain containing 1	Atad1	309532	1,21	up
6178276	7061948	1036359	ATPase family, AAA domain containing 1	Atad1	309532	1,21	up
6178446	7061948	1036376	ATPase family, AAA domain containing 1	Atad1	309532	1,19	up
6453252	7061948	1036364	ATPase family, AAA domain containing 1	Atad1	309532	1,18	up
5941960	7061948	1036372	ATPase family, AAA domain containing 1	Atad1	309532	1,16	up
6542116	7061948	1036370	ATPase family, AAA domain containing 1	Atad1	309532	1,10	up
6653006	7061948	1036360	ATPase family, AAA domain containing 1	Atad1	309532	1,09	up
5858911	7061948	1036366	ATPase family, AAA domain containing 1	Atad1	309532	1,02	up
6196828	7293763	1605718	ATPase family, AAA domain containing 3A	Atad3a	298682	2,08	down
6023249	7293763	1605714	ATPase family, AAA domain containing 3A	Atad3a	298682	1,79	up
6386423	7293763	1605702	ATPase family, AAA domain containing 3A	Atad3a	298682	1,57	up
5732958	7293763	1605703	ATPase family, AAA domain containing 3A	Atad3a	298682	1,48	down
6693673	7293763	1605704	ATPase family, AAA domain containing 3A	Atad3a	298682	1,34	up
5959715	7293763	1605716	ATPase family, AAA domain containing 3A	Atad3a	298682	1,33	down
5841098	7293763	1605702	ATPase family, AAA domain containing 3A	Atad3a	298682	1,33	down
6166705	7293763	1605713	ATPase family, AAA domain containing 3A	Atad3a	298682	1,25	up
6375855	7293763	1605710	ATPase family, AAA domain containing 3A	Atad3a	298682	1,20	down
5892396	7293763	1605709	ATPase family, AAA domain containing 3A	Atad3a	298682	1,20	up

5680091	7293763	1605711	ATPase family, AAA domain containing 3A	Atad3a	298682	1,17	up
6583267	7293763	1605707	ATPase family, AAA domain containing 3A	Atad3a	298682	1,15	down
6155492	7293763	1605706	ATPase family, AAA domain containing 3A	Atad3a	298682	1,14	up
5923998	7293763	1605705	ATPase family, AAA domain containing 3A	Atad3a	298682	1,13	up
6007608	7293763	1605702	ATPase family, AAA domain containing 3A	Atad3a	298682	1,12	down
5626704	7293763	1605708	ATPase family, AAA domain containing 3A	Atad3a	298682	1,10	up
6669331	7293763	1605702	ATPase family, AAA domain containing 3A	Atad3a	298682	1,08	down
5900293	7293763	1605715	ATPase family, AAA domain containing 3A	Atad3a	298682	1,07	down
6168812	7293763	1605718	ATPase family, AAA domain containing 3A	Atad3a	298682	1,03	up
6043333	7293763	1605712	ATPase family, AAA domain containing 3A	Atad3a	298682	1,01	down
6465257	7150047	1250764	ATPase type 13A1	Atp13a1	290673	1,77	down
5639536	7150047	1250781	ATPase type 13A1	Atp13a1	290673	1,54	down
6226054	7150047	1250766	ATPase type 13A1	Atp13a1	290673	1,39	up
6073429	7150047	1250778	ATPase type 13A1	Atp13a1	290673	1,31	up
6558086	7150047	1250768	ATPase type 13A1	Atp13a1	290673	1,30	up
5717188	7150047	1250773	ATPase type 13A1	Atp13a1	290673	1,22	up
6240170	7150047	1250778	ATPase type 13A1	Atp13a1	290673	1,20	up
6011489	7150047	1250765	ATPase type 13A1	Atp13a1	290673	1,20	down
6382184	7150047	1250776	ATPase type 13A1	Atp13a1	290673	1,20	up
6020546	7150047	1250763	ATPase type 13A1	Atp13a1	290673	1,20	down
6096306	7150047	1250768	ATPase type 13A1	Atp13a1	290673	1,20	up
6609404	7150047	1250770	ATPase type 13A1	Atp13a1	290673	1,20	up
5913569	7150047	1250776	ATPase type 13A1	Atp13a1	290673	1,11	up
6354247	7150047	1250783	ATPase type 13A1	Atp13a1	290673	1,11	down
5705473	7150047	1250779	ATPase type 13A1	Atp13a1	290673	1,10	up
6470817	7150047	1250768	ATPase type 13A1	Atp13a1	290673	1,09	down
6515836	7150047	1250776	ATPase type 13A1	Atp13a1	290673	1,07	down
6314919	7150047	1250776	ATPase type 13A1	Atp13a1	290673	1,07	up
5725084	7150047	1250780	ATPase type 13A1	Atp13a1	290673	1,05	down
6550162	7150047	1250776	ATPase type 13A1	Atp13a1	290673	1,04	up
6058303	7150047	1250772	ATPase type 13A1	Atp13a1	290673	1,04	up
5902784	7150047	1250769	ATPase type 13A1	Atp13a1	290673	1,04	up
6381756	7150047	1250764	ATPase type 13A1	Atp13a1	290673	1,04	down
6593725	7150047	1250774	ATPase type 13A1	Atp13a1	290673	1,02	up
5725416	7150047	1250777	ATPase type 13A1	Atp13a1	290673	1,01	down
5848177	7150047	1250771	ATPase type 13A1	Atp13a1	290673	1,01	up
6493667	7150047	1250774	ATPase type 13A1	Atp13a1	290673	1,00	down
6162295	7150047	1250775	ATPase type 13A1	Atp13a1	290673	1,00	down
5916959	7089080	1101173	ATPase type 13A4	Atp13a4	288026	1,54	up
6552744	7089080	1101129	ATPase type 13A4	Atp13a4	288026	1,22	up
5645682	7089080	1101129	ATPase type 13A4	Atp13a4	288026	1,22	up
6108478	7089080	1101127	ATPase type 13A4	Atp13a4	288026	1,08	down
6012767	7118356	1173149	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	2,58	up
6132279	7118356	1173119	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,64	down
5966415	7118356	1173131	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,55	up
6064249	7118356	1173143	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,54	down
6699121	7118356	1173158	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,54	down
5643586	7118356	1173141	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,52	up
6674531	7118356	1173139	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,44	up
6317605	7118356	1173157	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,40	down
5776234	7118356	1173155	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,34	up
6445329	7118356	1173133	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,28	up
5922432	7118356	1173105	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,25	up
6097102	7118356	1173134	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,23	up
6327251	7118356	1173177	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,22	up
6281637	7118356	1173157	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,19	down
6235880	7118356	1173182	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,19	up

5699954	7118356	1173152	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,18	down
6487794	7118356	1173142	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,18	up
6492330	7118356	1173181	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,18	down
6059569	7118356	1173172	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,16	down
5800853	7118356	1173165	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,15	up
6642127	7118356	1173167	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,13	up
5855460	7118356	1173105	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,13	down
6682168	7118356	1173148	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,12	down
6409665	7118356	1173117	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,11	down
6605005	7118356	1173201	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,11	down
6247124	7118356	1173147	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,11	up
5713034	7118356	1173198	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,11	down
6316818	7118356	1173116	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,10	up
6613573	7118356	1173118	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,10	up
5984886	7118356	1173197	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,07	up
6164612	7118356	1173188	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,05	down
5983779	7118356	1173202	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,05	down
6056022	7118356	1173127	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,05	up
6194701	7118356	1173187	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,04	up
6689366	7118356	1173178	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,04	down
6517094	7118356	1173146	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,03	up
6094155	7118356	1173189	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
5745366	7118356	1173137	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,02	down
6621609	7118356	1173183	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,01	down
5971396	7118356	1173138	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,01	down
6468631	7118356	1173106	ATPase, aminophospholipid transporter (APLT), class I, type 8A, member 1	Atp8a1	289615	1,00	up
5865789	7268482	1543722	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	2,90	up
5677600	7268482	1543720	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	2,09	up
6665168	7268482	1543709	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,92	down
6703548	7268482	1543714	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,81	up
5912570	7268482	1543716	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,67	down
5727345	7268482	1543712	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,61	down
6360152	7268482	1543702	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,56	down
6082423	7268482	1543718	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,55	down
6614619	7268482	1543703	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,54	up
6264907	7268482	1543708	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,41	up
5651753	7268482	1543717	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,35	down
5649256	7268482	1543721	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,33	up
6265406	7268482	1543715	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,33	down
6366295	7268482	1543707	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,30	down
6738498	7268482	1543711	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,29	up
5885728	7268482	1543705	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,21	down
6190575	7268482	1543706	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,15	down
6715251	7268482	1543710	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,14	up
5832200	7268482	1543704	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,12	up
6511693	7268482	1543701	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,09	down
6518671	7268482	1543719	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,09	down
5728221	7268482	1543713	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,06	up
6025041	7268482	1543719	ATPase, Ca++ transporting, plasma membrane 2	Atp2b2	24215	1,01	down
5876550	7378504	1817477	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	2,63	down
5955244	7378504	1817471	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	2,26	down
6290594	7378504	1817476	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	2,10	down
6098748	7378504	1817463	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,72	up
6523600	7378504	1817461	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,70	up
5798234	7378504	1817465	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,67	up
6352180	7378504	1817465	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,66	up
6366938	7378504	1817481	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,55	down

5713513	7378504	1817475	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,47	down
6077351	7378504	1817467	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,47	down
6446347	7378504	1817469	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,41	down
5621884	7378504	1817468	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,34	up
6231195	7378504	1817470	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,30	down
5985733	7378504	1817480	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,30	up
5743191	7378504	1817482	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,30	down
5885816	7378504	1817474	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,28	down
6183491	7378504	1817472	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,27	down
5794924	7378504	1817461	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,25	up
5752859	7378504	1817482	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,24	down
5868039	7378504	1817462	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,22	up
6573361	7378504	1817473	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,22	down
5761844	7378504	1817482	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,22	down
6270592	7378504	1817466	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,19	up
6365488	7378504	1817464	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,19	up
6238939	7378504	1817478	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,15	up
5927404	7378504	1817479	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,11	down
6498185	7378504	1817481	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,11	down
6101440	7378504	1817463	ATPase, Ca++ transporting, plasma membrane 3	Atp2b3	29599	1,07	up
6449186	7111227	1155317	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	2,14	down
6153389	7111227	1155330	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	2,13	up
5964649	7111227	1155319	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,85	down
5882711	7111227	1155321	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,53	down
6729959	7111227	1155332	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,47	up
5944034	7111227	1155331	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,46	down
6420961	7111227	1155336	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,45	up
6431738	7111227	1155318	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,43	up
6242569	7111227	1155324	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,38	down
5729789	7111227	1155327	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,37	up
6376341	7111227	1155317	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,36	down
5690712	7111227	1155335	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,36	up
6726948	7111227	1155320	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,33	down
5630298	7111227	1155325	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,32	up
6157677	7111227	1155323	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,30	down
6096368	7111227	1155328	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,30	up
6145303	7111227	1155322	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,24	down
6544666	7111227	1155326	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,22	down
6073477	7111227	1155334	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,12	up
6126454	7111227	1155333	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,06	up
6647614	7111227	1155318	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,05	down
6289234	7111227	1155335	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,04	up
6544634	7111227	1155329	ATPase, Ca++ transporting, plasma membrane 4	Atp2b4	29600	1,00	up
5867930	7032204	966172	ATPase, class V, type 10A	Atp10a	365266	1,92	up
6303552	7032204	966167	ATPase, class V, type 10A	Atp10a	365266	1,75	up
6732174	7032204	966164	ATPase, class V, type 10A	Atp10a	365266	1,43	up
6700789	7032204	966160	ATPase, class V, type 10A	Atp10a	365266	1,37	down
5956503	7032204	966161	ATPase, class V, type 10A	Atp10a	365266	1,27	up
5979348	7032204	966157	ATPase, class V, type 10A	Atp10a	365266	1,25	down
5891271	7032204	966162	ATPase, class V, type 10A	Atp10a	365266	1,15	up
6602293	7032204	966165	ATPase, class V, type 10A	Atp10a	365266	1,14	up
5806654	7032204	966155	ATPase, class V, type 10A	Atp10a	365266	1,12	down
5953151	7032204	966170	ATPase, class V, type 10A	Atp10a	365266	1,09	down
6036438	7032204	966120	ATPase, class V, type 10A	Atp10a	365266	1,09	up
5703750	7032204	966173	ATPase, class V, type 10A	Atp10a	365266	1,08	up
6575634	7032204	966173	ATPase, class V, type 10A	Atp10a	365266	1,04	down
6476797	7032204	966169	ATPase, class V, type 10A	Atp10a	365266	1,04	up

6307143	7032204	966166	ATPase, class V, type 10A	Atp10a	365266	1,03	up
5730159	7032204	966173	ATPase, class V, type 10A	Atp10a	365266	1,03	up
6219227	7032204	966163	ATPase, class V, type 10A	Atp10a	365266	1,02	down
6028222	7125160	1189574	ATPase, class V, type 10D	Atp10d	360932	2,14	down
5793860	7125160	1189577	ATPase, class V, type 10D	Atp10d	360932	1,73	down
5949922	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,68	up
6359482	7125160	1189590	ATPase, class V, type 10D	Atp10d	360932	1,67	up
6712648	7125160	1189599	ATPase, class V, type 10D	Atp10d	360932	1,61	up
6320627	7125160	1189590	ATPase, class V, type 10D	Atp10d	360932	1,56	up
6437102	7125160	1189586	ATPase, class V, type 10D	Atp10d	360932	1,54	down
6385871	7125160	1189574	ATPase, class V, type 10D	Atp10d	360932	1,54	down
6599721	7125160	1189567	ATPase, class V, type 10D	Atp10d	360932	1,51	down
6406755	7125160	1189576	ATPase, class V, type 10D	Atp10d	360932	1,43	down
6528964	7125160	1189575	ATPase, class V, type 10D	Atp10d	360932	1,41	down
5723715	7125160	1189570	ATPase, class V, type 10D	Atp10d	360932	1,36	down
6399667	7125160	1189597	ATPase, class V, type 10D	Atp10d	360932	1,35	up
5754981	7125160	1189600	ATPase, class V, type 10D	Atp10d	360932	1,35	down
6212698	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,28	up
6266279	7125160	1189565	ATPase, class V, type 10D	Atp10d	360932	1,24	down
6675621	7125160	1189584	ATPase, class V, type 10D	Atp10d	360932	1,18	down
6465442	7125160	1189600	ATPase, class V, type 10D	Atp10d	360932	1,17	up
6655406	7125160	1189607	ATPase, class V, type 10D	Atp10d	360932	1,15	up
6356083	7125160	1189569	ATPase, class V, type 10D	Atp10d	360932	1,13	down
6456833	7125160	1189588	ATPase, class V, type 10D	Atp10d	360932	1,10	up
5774907	7125160	1189595	ATPase, class V, type 10D	Atp10d	360932	1,08	down
5725193	7125160	1189585	ATPase, class V, type 10D	Atp10d	360932	1,07	up
6675417	7125160	1189580	ATPase, class V, type 10D	Atp10d	360932	1,06	up
5979015	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,06	up
5670029	7125160	1189583	ATPase, class V, type 10D	Atp10d	360932	1,03	up
5662550	7125160	1189597	ATPase, class V, type 10D	Atp10d	360932	1,03	down
6362148	7125160	1189600	ATPase, class V, type 10D	Atp10d	360932	1,03	down
6187294	7125160	1189592	ATPase, class V, type 10D	Atp10d	360932	1,02	up
5694889	7125160	1189564	ATPase, class V, type 10D	Atp10d	360932	1,02	down
6013490	7125160	1189582	ATPase, class V, type 10D	Atp10d	360932	1,01	down
6349091	7125160	1189589	ATPase, class V, type 10D	Atp10d	360932	1,01	up
6743193	7193056	1358287	ATPase, class VI, type 11B	Atp11b	361929	1,58	down
6308707	7193056	1358278	ATPase, class VI, type 11B	Atp11b	361929	1,26	down
6583720	7193056	1358280	ATPase, class VI, type 11B	Atp11b	361929	1,24	up
6184554	7193056	1358280	ATPase, class VI, type 11B	Atp11b	361929	1,23	down
6359041	7193056	1358284	ATPase, class VI, type 11B	Atp11b	361929	1,18	down
6264174	7193056	1358279	ATPase, class VI, type 11B	Atp11b	361929	1,16	down
6299856	7193056	1358287	ATPase, class VI, type 11B	Atp11b	361929	1,13	down
6595229	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,80	down
5955119	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,19	down
5946554	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,12	up
6462012	7384509	1830719	Atpase, class VI, type 11C	Atp11c	317599	1,09	up
6325774	7263805	1532174	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	2,68	up
6300685	7263805	1532181	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,75	down
6319960	7263805	1532179	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,68	up
6605731	7263805	1532177	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,65	up
6051521	7263805	1532194	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,65	up
5844016	7263805	1532174	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,61	down
6197784	7263805	1532189	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,57	up
6489989	7263805	1532183	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,39	up
6173733	7263805	1532186	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,38	down
6290660	7263805	1532180	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,23	down
6621867	7263805	1532187	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,20	down

5808638	7263805	1532191	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,19	down
6046375	7263805	1532176	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,16	up
6186926	7263805	1532178	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,15	down
6113140	7263805	1532194	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,12	up
6188574	7263805	1532177	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,11	up
6508242	7263805	1532175	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,09	down
6180574	7263805	1532188	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,08	up
6313808	7263805	1532184	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,06	down
5748869	7263805	1532192	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,01	down
5644928	7263805	1532185	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,00	up
6744857	7263805	1532193	ATPase, H+ transporting, lysosomal V0 subunit A4	Atp6v0a4	296981	1,00	up
5724084	7132116	1206568	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	2,47	down
5929705	7132116	1206569	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,47	up
6131623	7132116	1206572	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,46	up
5687478	7132116	1206585	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,38	up
5826202	7132116	1206566	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,34	down
6328534	7132116	1206565	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,32	down
6515184	7132116	1206588	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,31	up
6417218	7132116	1206582	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,29	down
6535206	7132116	1206566	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,28	down
5828261	7132116	1206579	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,28	up
6643135	7132116	1206581	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,26	up
5673168	7132116	1206575	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,24	down
6728536	7132116	1206574	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,22	down
6070873	7132116	1206583	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,17	up
6598275	7132116	1206587	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,16	up
5803429	7132116	1206570	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,14	down
6402066	7132116	1206568	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,13	up
6533236	7132116	1206566	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,13	down
5945602	7132116	1206576	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,11	down
6028380	7132116	1206580	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,09	up
6100919	7132116	1206577	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,09	up
6098228	7132116	1206586	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,08	down
5907819	7132116	1206573	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,08	down
6144075	7132116	1206584	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,07	up
6507185	7132116	1206578	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,06	down
6141240	7132116	1206571	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,06	up
6081542	7132116	1206567	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,04	down
6736763	7132116	1206566	ATPase, H+/K+ transporting, nongastric, alpha polypeptide	Atp12a	171028	1,03	up
5700305	7212141	1403614	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,77	up
6152456	7212141	1403600	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,66	up
6187652	7212141	1403600	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,54	down
6336561	7212141	1403614	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,50	up
6360762	7212141	1403601	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,45	up
6119196	7212141	1403619	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,33	down
6247765	7212141	1403608	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,30	up
6069793	7212141	1403618	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,28	down
5970012	7212141	1403603	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,23	up
6470070	7212141	1403612	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,21	down
5644089	7212141	1403601	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,19	up
6622932	7212141	1403606	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,18	up
6648897	7212141	1403616	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,14	down
6680414	7212141	1403617	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,14	down
5859800	7212141	1403607	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,12	up
6017189	7212141	1403605	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,09	up
5881299	7212141	1403611	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,09	down
5681703	7212141	1403615	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,09	down

6430674	7212141	1403619	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,07	down
5789810	7212141	1403618	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,05	down
6099964	7212141	1403609	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,05	up
6087723	7212141	1403610	ATPase, Na+/K+ transporting, alpha 1 polypeptide	Atp1a1	24211	1,00	down
6223339	7113385	1160802	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	2,57	up
6261370	7113385	1160800	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,26	down
6006071	7113385	1160796	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,18	up
6370602	7113385	1160797	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,10	down
5795898	7113385	1160802	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,09	up
6039942	7113385	1160799	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,08	down
5784541	7113385	1160801	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,08	up
5750170	7113385	1160798	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,06	down
5758438	7113385	1160802	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,06	up
6481881	7113385	1160797	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,03	up
6507187	7113385	1160796	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,03	up
6567423	7113385	1160798	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,02	down
6404271	7113385	1160796	ATPase, Na+/K+ transporting, beta 1 polypeptide	Atp1b1	25650	1,01	down
6589057	7079070	1077533	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	2,16	up
6360137	7079070	1077531	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,83	down
5913925	7079070	1077532	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,54	down
5877059	7079070	1077530	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,42	down
5669119	7079070	1077533	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,41	up
6223512	7079070	1077528	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,38	down
6189412	7079070	1077527	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,30	down
5833275	7079070	1077529	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,05	up
6013569	7079070	1077533	ATPase, Na+/K+ transporting, beta 2 polypeptide	Atp1b2	24214	1,04	up
6588965	7198644	1372327	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	2,34	up
6402049	7198644	1372350	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,96	up
6218911	7198644	1372345	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,74	up
6562339	7198644	1372309	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,67	up
5669931	7198644	1372288	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,62	down
5779588	7198644	1372324	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,57	up
6216590	7198644	1372338	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,57	up
6429495	7198644	1372319	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,44	down
6541989	7198644	1372321	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,35	up
6071166	7198644	1372343	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,34	down
6413107	7198644	1372327	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,33	down
5712441	7198644	1372316	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,33	down
5753268	7198644	1372355	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,31	up
5905592	7198644	1372347	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,30	down
6136714	7198644	1372267	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,28	down
5782000	7198644	1372351	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,27	down
6634044	7198644	1372311	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,25	down
6152975	7198644	1372308	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,20	down
6534786	7198644	1372315	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,18	down
6479159	7198644	1372344	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,18	down
6263941	7198644	1372323	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,17	down
5951290	7198644	1372323	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,17	up
6271057	7198644	1372293	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,16	down
6160972	7198644	1372273	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,15	down
6384288	7198644	1372348	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,15	up
6324190	7198644	1372325	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,14	down
6595051	7198644	1372356	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,13	up
5855338	7198644	1372353	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,12	down
5859160	7198644	1372349	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,10	down
5737873	7198644	1372335	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,10	up
6661924	7198644	1372323	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,09	up

6693967	7198644	1372337	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,09	down
5989743	7198644	1372310	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,09	down
5776198	7198644	1372276	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,08	down
6417025	7198644	1372336	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,07	up
6373981	7198644	1372317	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,07	up
5671319	7198644	1372291	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,07	up
6287987	7198644	1372290	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,06	up
5748162	7198644	1372303	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,06	up
5751753	7198644	1372301	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,05	down
6217005	7198644	1372282	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	down
6372142	7198644	1372308	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	down
5729199	7198644	1372292	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	up
6240042	7198644	1372318	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	up
6708439	7198644	1372294	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	down
5860285	7198644	1372272	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,03	down
6163883	7198644	1372354	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	down
6624451	7198644	1372320	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	down
6705822	7198644	1372302	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	up
5974708	7198644	1372333	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	up
5657461	7198644	1372341	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,02	up
5768085	7198644	1372322	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
6073546	7198644	1372280	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
6440259	7198644	1372330	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	up
5632434	7198644	1372281	ATP-binding cassette, sub-family A (ABC1), member 4	Abca4	310836	1,00	down
6380000	7083965	1088225	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	2,11	down
5847207	7083965	1088238	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,78	down
5804504	7083965	1088253	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,71	up
6346267	7083965	1088223	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,41	up
5736728	7083965	1088254	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,38	down
6185075	7083965	1088245	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,37	down
6650927	7083965	1088225	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,30	down
6611186	7083965	1088250	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,29	down
6152870	7083965	1088251	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,28	down
6612645	7083965	1088221	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,26	down
6697639	7083965	1088227	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,26	down
6671489	7083965	1088219	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,25	up
5617712	7083965	1088230	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,25	down
6459578	7083965	1088215	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,25	down
6107558	7083965	1088227	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,21	up
5796408	7083965	1088248	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,18	down
6197745	7083965	1088235	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,15	up
6086364	7083965	1088217	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,15	down
5667752	7083965	1088234	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,12	up
5753443	7083965	1088213	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,12	down
6029000	7083965	1088240	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,11	down
5629262	7083965	1088241	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,11	up
6420806	7083965	1088229	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,11	down
6317916	7083965	1088228	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,10	up
5905006	7083965	1088237	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,10	up
6148980	7083965	1088232	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,08	up
6656268	7083965	1088247	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,07	down
5939153	7083965	1088224	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,06	up
5626810	7083965	1088243	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,06	up
6233734	7083965	1088218	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,05	up
6574989	7083965	1088214	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,04	up
6243622	7083965	1088242	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,03	down
6147149	7083965	1088239	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,01	up

6664912	7083965	1088222	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,01	up
6122837	7083965	1088245	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,01	up
6514559	7083965	1088219	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
5844751	7083965	1088226	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
5790347	7083965	1088213	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
5839011	7083965	1088231	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
6068315	7083965	1088246	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
6218551	7083965	1088216	ATP-binding cassette, sub-family A (ABC1), member 8a	Abca8a	303638	1,00	up
6574248	7250393	1498340	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	5,27	down
6007333	7250393	1498314	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	4,53	down
6253952	7250393	1498313	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,77	down
6284395	7250393	1498339	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,72	down
6358410	7250393	1498333	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	3,36	up
5782776	7250393	1498331	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,06	down
5619823	7250393	1498326	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	2,01	down
6098828	7250393	1498317	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,99	up
6625428	7250393	1498319	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,91	down
6097230	7250393	1498328	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,85	down
6167416	7250393	1498339	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,84	down
6703837	7250393	1498318	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,74	up
6721437	7250393	1498334	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,66	up
6739095	7250393	1498315	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,66	up
6016868	7250393	1498324	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,58	up
6231297	7250393	1498320	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,52	up
6276903	7250393	1498330	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,39	up
6272544	7250393	1498335	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,38	up
5980846	7250393	1498334	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,37	down
6198334	7250393	1498321	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,36	up
5698086	7250393	1498339	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,34	down
5742066	7250393	1498338	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,31	up
6361510	7250393	1498327	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,26	up
6469306	7250393	1498322	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,26	down
6282355	7250393	1498325	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,26	down
6327593	7250393	1498332	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,24	down
5840139	7250393	1498329	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,15	down
6145358	7250393	1498337	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,08	up
6267936	7250393	1498323	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,05	up
6626563	7250393	1498316	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,03	down
5895570	7250393	1498336	ATP-binding cassette, sub-family B (MDR/TAP), member 1	Abcb1	170913	1,02	up
6221184	7250403	1498379	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	4,95	down
6228271	7250403	1498378	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	4,93	down
5847446	7250403	1498364	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	4,45	down
6417916	7250403	1498358	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	3,92	down
6153883	7250403	1498361	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	3,18	down
6741153	7250403	1498366	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	2,23	up
6129825	7250403	1498381	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,76	down
6531383	7250403	1498355	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,71	up
6286851	7250403	1498360	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,66	up
6597141	7250403	1498357	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,65	up
6171255	7250403	1498359	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,59	up
5650532	7250403	1498363	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,56	up
5760636	7250403	1498375	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,55	up
5741873	7250403	1498367	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,50	down
5975570	7250403	1498365	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,49	down
5730001	7250403	1498376	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,47	down
5658451	7250403	1498356	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,45	down
6410145	7250403	1498370	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,41	up

6299354	7250403	1498357	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,32	down
5729475	7250403	1498374	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,31	down
5800715	7250403	1498372	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,25	up
6611732	7250403	1498373	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,20	up
6617983	7250403	1498369	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,16	down
6079384	7250403	1498362	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,15	up
5695568	7250403	1498359	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,12	down
6566984	7250403	1498380	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,08	up
6326477	7250403	1498377	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,08	down
6247446	7250403	1498368	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,02	down
6282170	7250403	1498371	ATP-binding cassette, sub-family B (MDR/TAP), member 1B	Abcb1b	24646	1,02	up
5813985	7250417	1498414	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	4,55	up
6657348	7250417	1498409	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,71	down
5865732	7250417	1498428	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,63	up
6369272	7250417	1498419	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,55	up
5947346	7250417	1498411	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,52	down
5828129	7250417	1498421	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,39	down
6257094	7250417	1498417	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,37	down
5842791	7250417	1498407	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,32	up
5683292	7250417	1498415	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,31	down
6347525	7250417	1498427	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,31	down
5809317	7250417	1498408	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,20	down
6508924	7250417	1498420	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,17	down
5753312	7250417	1498410	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,15	down
6488481	7250417	1498418	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,15	down
5910306	7250417	1498425	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,13	up
6441881	7250417	1498426	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,13	down
6610466	7250417	1498404	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,11	down
6097121	7250417	1498412	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,10	down
5900790	7250417	1498422	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,10	up
5633359	7250417	1498424	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,09	up
6564372	7250417	1498406	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,07	down
6109372	7250417	1498406	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,07	down
6693277	7250417	1498429	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,06	up
5649552	7250417	1498405	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,04	up
6298172	7250417	1498423	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,02	down
6431894	7250417	1498430	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,01	down
6569813	7250417	1498416	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,01	down
6685683	7250417	1498413	ATP-binding cassette, sub-family B (MDR/TAP), member 4	Abcb4	24891	1,00	up
6453750	7098148	1123071	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	2,35	up
5952332	7098148	1123060	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	2,07	down
6643380	7098148	1123059	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,65	up
6338555	7098148	1123065	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,60	up
5985681	7098148	1123064	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,42	up
5955059	7098148	1123060	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,40	down
6223018	7098148	1123062	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,38	down
6297275	7098148	1123063	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,37	down
6652007	7098148	1123070	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,25	down
6268232	7098148	1123072	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,20	down
5911374	7098148	1123068	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,18	down
6072121	7098148	1123069	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,14	up
6715827	7098148	1123066	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,12	down
5953932	7098148	1123067	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,07	down
6001448	7098148	1123061	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,02	up
6726362	7098148	1123070	ATP-binding cassette, sub-family B (MDR/TAP), member 9	Abcb9	63886	1,01	down
6423201	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	3,11	down
5794836	7352044	1750015	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	2,05	down

6495949	7352044	1750023	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,75	down
6142945	7352044	1750017	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,63	down
6479011	7352044	1750020	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,58	up
5871188	7352044	1750012	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,48	down
5852980	7352044	1750011	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,42	down
6627084	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,38	up
6297926	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,34	down
6333449	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,31	down
6235295	7352044	1750014	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,31	down
6055249	7352044	1750009	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,22	up
6077685	7352044	1750005	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,21	down
5722772	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,20	up
5886459	7352044	1750021	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,18	down
6717766	7352044	1750011	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,14	up
6436650	7352044	1750008	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,13	down
6174018	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,12	up
6021223	7352044	1750007	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,11	up
5671248	7352044	1750018	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,10	down
5765729	7352044	1750013	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,07	down
6572422	7352044	1750019	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,07	up
6301144	7352044	1750004	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,06	up
6316011	7352044	1750016	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,05	up
5792624	7352044	1750010	ATP-binding cassette, sub-family C (CFTR/MRP), member 10	Abcc10	316231	1,01	up
5709900	7213582	1406928	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	2,13	up
6055839	7213582	1406934	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,78	up
6464418	7213582	1406932	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,54	up
5999187	7213582	1406928	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,45	up
6531328	7213582	1406945	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,41	down
6733366	7213582	1406927	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,41	down
6525900	7213582	1406928	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,40	up
6438638	7213582	1406943	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,38	up
6640689	7213582	1406931	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,33	up
5748663	7213582	1406933	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,31	up
6434151	7213582	1406950	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,30	down
6345831	7213582	1406940	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,25	up
6280465	7213582	1406946	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,23	up
6066731	7213582	1406941	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,21	down
6314507	7213582	1406928	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,20	down
5888259	7213582	1406949	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,20	up
5787178	7213582	1406947	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,18	down
6540224	7213582	1406935	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,17	down
6501312	7213582	1406928	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,15	up
6083481	7213582	1406940	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,15	down
6700084	7213582	1406936	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,12	down
5637451	7213582	1406937	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,11	up
6277852	7213582	1406929	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,11	up
6588854	7213582	1406938	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,11	down
5763901	7213582	1406944	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,07	up
6112863	7213582	1406948	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,06	up
6635052	7213582	1406930	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,04	up
5886189	7213582	1406939	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,04	down
6615663	7213582	1406942	ATP-binding cassette, sub-family D (ALD), member 3	Abcd3	25270	1,00	up
6027852	7122815	1184292	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	2,40	up
6604709	7122815	1184291	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	2,18	up
6040515	7122815	1184289	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	2,08	up
6447997	7122815	1184294	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,89	down
6136263	7122815	1184293	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,77	up

6108078	7122815	1184281	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,73	down
6328271	7122815	1184283	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,71	down
5761941	7122815	1184279	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,56	down
6356892	7122815	1184284	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,53	down
6256577	7122815	1184287	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,47	up
6741627	7122815	1184290	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,46	up
6105979	7122815	1184285	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,28	down
6405294	7122815	1184288	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,15	down
6617253	7122815	1184282	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,13	down
5718248	7122815	1184280	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,12	down
5785795	7122815	1184286	ATP-binding cassette, sub-family G (WHITE), member 3-like 1	Abcg311	289453	1,02	down
6057098	7122778	1184199	ATP-binding cassette, sub-family G (WHITE), member 3-like 2	Abcg312	360910	3,75	down
6014882	7122778	1184200	ATP-binding cassette, sub-family G (WHITE), member 3-like 2	Abcg312	360910	2,55	down
6479309	7122778	1184194	ATP-binding cassette, sub-family G (WHITE), member 3-like 2	Abcg312	360910	1,94	down
6547548	7122778	1184197	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			2,71	down
6072686	7122778	1184208	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			2,29	down
6709638	7122778	1184195	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			2,11	down
5867655	7122778	1184207	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			1,52	down
6474229	7122778	1184196	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			1,52	up
6408537	7122778	1184204	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			1,51	down
6240618	7122778	1184206	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			1,44	up
6237195	7122778	1184193	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			1,11	up
6182140	7122778	1184202	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, sxcg312 /// LOC3609 360910 /// 360997			1,03	up
5729540	7122778	1184205	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, s2 /// LOC360997 ///10 /// 360997 /// 49			2,97	up
6153643	7122778	1184193	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, s2 /// LOC360997 ///10 /// 360997 /// 49			2,25	up
5791168	7122778	1184201	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, s2 /// LOC360997 ///10 /// 360997 /// 49			2,06	up
6695863	7122778	1184203	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, s2 /// LOC360997 ///10 /// 360997 /// 49			1,81	up
6389927	7122778	1184205	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, s2 /// LOC360997 ///10 /// 360997 /// 49			1,59	up
6203931	7122778	1184198	ATP-binding cassette, sub-family G (WHITE), member 3-like 2 /// similar to ATP-binding cassette, s2 /// LOC360997 ///10 /// 360997 /// 49			1,04	down
6675147	7344713	1732185	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	2,38	down
6246303	7344713	1732171	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,71	up
5977669	7344713	1732186	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,56	down
5705073	7344713	1732173	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,40	up
6140422	7344713	1732168	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,38	down
6061895	7344713	1732168	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,37	up
5647857	7344713	1732168	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,31	down
6475610	7344713	1732168	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,31	up
6263772	7344713	1732172	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,23	down
6695871	7344713	1732182	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,22	up
6175949	7344713	1732183	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,18	down
5943865	7344713	1732175	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,18	down
5725908	7344713	1732174	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,16	up
5834316	7344713	1732168	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,16	down
6496293	7344713	1732180	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,12	up
6428174	7344713	1732169	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,10	up
5991381	7344713	1732181	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,09	down
6413954	7344713	1732176	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,06	up
6158226	7344713	1732170	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,04	down
6118845	7344713	1732177	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,04	up
6392889	7344713	1732168	ATP-binding cassette, sub-family G (WHITE), member 4	Abcg4	300664	1,03	up
6714112	7269494	1545958	atrophin 1	Atn1	29515	2,39	up
6265663	7269494	1545953	atrophin 1	Atn1	29515	1,54	down
6358894	7269494	1545948	atrophin 1	Atn1	29515	1,36	down
6360359	7269494	1545951	atrophin 1	Atn1	29515	1,26	up
6352627	7269494	1545954	atrophin 1	Atn1	29515	1,26	down
6113575	7269494	1545954	atrophin 1	Atn1	29515	1,23	up
5663531	7269494	1545954	atrophin 1	Atn1	29515	1,23	up

6237154	7269494	1545956	atrophin 1	Atn1	29515	1,22	up
6152954	7269494	1545948	atrophin 1	Atn1	29515	1,19	down
6532908	7269494	1545950	atrophin 1	Atn1	29515	1,18	down
6110138	7269494	1545955	atrophin 1	Atn1	29515	1,17	down
6497805	7269494	1545954	atrophin 1	Atn1	29515	1,16	down
5737579	7269494	1545957	atrophin 1	Atn1	29515	1,13	up
6053649	7269494	1545954	atrophin 1	Atn1	29515	1,10	down
6322181	7269494	1545954	atrophin 1	Atn1	29515	1,09	up
5668649	7269494	1545953	atrophin 1	Atn1	29515	1,08	down
6655494	7269494	1545954	atrophin 1	Atn1	29515	1,06	up
6459335	7269494	1545949	atrophin 1	Atn1	29515	1,04	up
6572205	7269494	1545957	atrophin 1	Atn1	29515	1,04	up
6529518	7269494	1545957	atrophin 1	Atn1	29515	1,03	up
6697419	7269494	1545952	atrophin 1	Atn1	29515	1,01	down
6495750	7269494	1545954	atrophin 1	Atn1	29515	1,01	up
6122883	7232643	1454421	attractin	Atrn	83526	2,20	down
6577628	7232643	1454402	attractin	Atrn	83526	1,55	up
5885040	7232643	1454426	attractin	Atrn	83526	1,54	down
5758088	7232643	1454423	attractin	Atrn	83526	1,53	down
5745072	7232643	1454417	attractin	Atrn	83526	1,51	down
6513329	7232643	1454431	attractin	Atrn	83526	1,47	up
6355743	7232643	1454427	attractin	Atrn	83526	1,43	up
6699765	7232643	1454430	attractin	Atrn	83526	1,40	up
6282210	7232643	1454409	attractin	Atrn	83526	1,25	up
5742444	7232643	1454425	attractin	Atrn	83526	1,23	up
6355573	7232643	1454416	attractin	Atrn	83526	1,21	down
6156786	7232643	1454419	attractin	Atrn	83526	1,20	down
6625448	7232643	1454428	attractin	Atrn	83526	1,20	up
6047068	7232643	1454430	attractin	Atrn	83526	1,19	down
5738966	7232643	1454429	attractin	Atrn	83526	1,16	down
6086173	7232643	1454404	attractin	Atrn	83526	1,14	down
6380776	7232643	1454406	attractin	Atrn	83526	1,13	down
6252778	7232643	1454400	attractin	Atrn	83526	1,12	up
6307202	7232643	1454401	attractin	Atrn	83526	1,12	up
6531888	7232643	1454414	attractin	Atrn	83526	1,10	up
6182431	7232643	1454431	attractin	Atrn	83526	1,10	up
6264009	7232643	1454413	attractin	Atrn	83526	1,09	down
6312225	7232643	1454431	attractin	Atrn	83526	1,09	down
6703393	7232643	1454418	attractin	Atrn	83526	1,08	up
6132779	7232643	1454431	attractin	Atrn	83526	1,08	up
6632550	7232643	1454424	attractin	Atrn	83526	1,07	up
5727213	7232643	1454422	attractin	Atrn	83526	1,06	up
6011085	7232643	1454400	attractin	Atrn	83526	1,06	down
6312342	7232643	1454408	attractin	Atrn	83526	1,06	down
5699910	7232643	1454418	attractin	Atrn	83526	1,05	down
6677513	7232643	1454405	attractin	Atrn	83526	1,05	down
5689673	7232643	1454431	attractin	Atrn	83526	1,05	down
5744367	7232643	1454420	attractin	Atrn	83526	1,04	up
5823171	7232643	1454415	attractin	Atrn	83526	1,04	down
6126377	7232643	1454404	attractin	Atrn	83526	1,03	up
6639161	7232643	1454407	attractin	Atrn	83526	1,03	up
6087431	7232643	1454410	attractin	Atrn	83526	1,02	up
5985812	7232643	1454403	attractin	Atrn	83526	1,01	up
6016051	7232643	1454412	attractin	Atrn	83526	1,01	up
6522597	7232643	1454411	attractin	Atrn	83526	1,00	down
5945076	7077604	1074416	ATX1 antioxidant protein 1 homolog (yeast)	Atox1	84355	2,27	down
6175185	7077604	1074419	ATX1 antioxidant protein 1 homolog (yeast)	Atox1	84355	1,43	up

6156916	7077604	1074417	ATX1 antioxidant protein 1 homolog (yeast)	Atox1	84355	1,21	down
6096758	7077604	1074418	ATX1 antioxidant protein 1 homolog (yeast)	Atox1	84355	1,14	down
6692601	7077604	1074415	ATX1 antioxidant protein 1 homolog (yeast)	Atox1	84355	1,10	down
6349743	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	2,46	up
6283840	7282319	1578599	aurora kinase A interacting protein 1	Aurkaip1	298687	2,43	down
6488945	7282319	1578596	aurora kinase A interacting protein 1	Aurkaip1	298687	1,31	down
6274831	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,29	up
5690368	7282319	1578598	aurora kinase A interacting protein 1	Aurkaip1	298687	1,21	up
6407711	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,18	down
5792952	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,09	down
6586961	7282319	1578596	aurora kinase A interacting protein 1	Aurkaip1	298687	1,08	down
5721526	7282319	1578597	aurora kinase A interacting protein 1	Aurkaip1	298687	1,02	down
6253097	7202145	1380725	autophagy-related 10 (S. cerevisiae)	Atg10	688555	2,14	up
5718882	7202145	1380672	autophagy-related 10 (S. cerevisiae)	Atg10	688555	1,71	down
5953454	7202145	1380687	autophagy-related 10 (S. cerevisiae)	Atg10	688555	1,20	up
5769802	7202145	1380671	autophagy-related 10 (S. cerevisiae)	Atg10	688555	1,17	down
6449173	7202145	1380673	autophagy-related 10 (S. cerevisiae)	Atg10	688555	1,10	down
6509115	7202145	1380719	autophagy-related 10 (S. cerevisiae)	Atg10	688555	1,07	up
5847394	7202145	1380694	autophagy-related 10 (S. cerevisiae)	Atg10	688555	1,05	up
5651986	7350918	1747301	AXIN1 up-regulated 1	Axud1	363165	2,00	up
6276030	7350918	1747300	AXIN1 up-regulated 1	Axud1	363165	1,98	up
6520156	7350918	1747300	AXIN1 up-regulated 1	Axud1	363165	1,70	up
6518044	7350918	1747304	AXIN1 up-regulated 1	Axud1	363165	1,55	up
6494169	7350918	1747305	AXIN1 up-regulated 1	Axud1	363165	1,45	down
6131634	7350918	1747302	AXIN1 up-regulated 1	Axud1	363165	1,28	up
6395499	7049010	1007578	Axl receptor tyrosine kinase	Axl	308444	2,49	down
6477888	7049010	1007587	Axl receptor tyrosine kinase	Axl	308444	1,73	up
5962720	7049010	1007576	Axl receptor tyrosine kinase	Axl	308444	1,61	down
6366809	7049010	1007582	Axl receptor tyrosine kinase	Axl	308444	1,53	down
5697376	7049010	1007584	Axl receptor tyrosine kinase	Axl	308444	1,49	up
6654912	7049010	1007572	Axl receptor tyrosine kinase	Axl	308444	1,35	up
6448905	7049010	1007586	Axl receptor tyrosine kinase	Axl	308444	1,34	up
5908030	7049010	1007588	Axl receptor tyrosine kinase	Axl	308444	1,31	down
6060354	7049010	1007585	Axl receptor tyrosine kinase	Axl	308444	1,29	up
6566700	7049010	1007574	Axl receptor tyrosine kinase	Axl	308444	1,13	down
6146421	7049010	1007570	Axl receptor tyrosine kinase	Axl	308444	1,12	up
5797382	7049010	1007580	Axl receptor tyrosine kinase	Axl	308444	1,10	down
5892151	7049010	1007571	Axl receptor tyrosine kinase	Axl	308444	1,09	down
6017253	7049010	1007575	Axl receptor tyrosine kinase	Axl	308444	1,08	down
6126142	7049010	1007573	Axl receptor tyrosine kinase	Axl	308444	1,07	up
5815298	7049010	1007583	Axl receptor tyrosine kinase	Axl	308444	1,05	down
6454170	7049010	1007581	Axl receptor tyrosine kinase	Axl	308444	1,03	up
5854848	7049010	1007579	Axl receptor tyrosine kinase	Axl	308444	1,01	down
6054465	7049010	1007577	Axl receptor tyrosine kinase	Axl	308444	1,01	up
5782051	7234691	1459998	bactericidal/permeability-increasing protein	Bpi	296321	2,59	up
5870046	7234691	1459997	bactericidal/permeability-increasing protein	Bpi	296321	1,65	up
6731201	7234691	1459983	bactericidal/permeability-increasing protein	Bpi	296321	1,29	up
5771146	7234691	1459992	bactericidal/permeability-increasing protein	Bpi	296321	1,21	down
6358526	7234691	1459985	bactericidal/permeability-increasing protein	Bpi	296321	1,21	down
6365260	7234691	1459983	bactericidal/permeability-increasing protein	Bpi	296321	1,21	up
6444224	7234691	1459990	bactericidal/permeability-increasing protein	Bpi	296321	1,19	up
6438749	7234691	1459990	bactericidal/permeability-increasing protein	Bpi	296321	1,18	up
5969094	7234691	1459995	bactericidal/permeability-increasing protein	Bpi	296321	1,15	down
6030684	7234691	1459991	bactericidal/permeability-increasing protein	Bpi	296321	1,12	down
5762461	7234691	1459993	bactericidal/permeability-increasing protein	Bpi	296321	1,06	up
6050542	7234691	1459989	bactericidal/permeability-increasing protein	Bpi	296321	1,06	up
6508892	7234691	1459994	bactericidal/permeability-increasing protein	Bpi	296321	1,06	down

6227057	7234691	1459984	bactericidal/permeability-increasing protein	Bpi	296321	1,04	down
6053240	7234691	1459987	bactericidal/permeability-increasing protein	Bpi	296321	1,03	down
6683641	7234691	1459986	bactericidal/permeability-increasing protein	Bpi	296321	1,03	down
5634444	7234691	1459996	bactericidal/permeability-increasing protein	Bpi	296321	1,02	up
5731508	7234691	1459983	bactericidal/permeability-increasing protein	Bpi	296321	1,01	down
6478874	7234691	1459988	bactericidal/permeability-increasing protein	Bpi	296321	1,01	up
6668882	7341989	1725049	baculoviral IAP repeat-containing 2	Birc2	60371	4,70	up
6289602	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	2,32	down
5784401	7341989	1725048	baculoviral IAP repeat-containing 2	Birc2	60371	2,10	up
5901021	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	1,91	down
5825327	7341989	1725051	baculoviral IAP repeat-containing 2	Birc2	60371	1,64	up
6147360	7341989	1725045	baculoviral IAP repeat-containing 2	Birc2	60371	1,60	up
6708661	7341989	1725048	baculoviral IAP repeat-containing 2	Birc2	60371	1,59	up
6220210	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,56	up
5744629	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	1,42	down
6531718	7341989	1725050	baculoviral IAP repeat-containing 2	Birc2	60371	1,38	up
5936281	7341989	1725044	baculoviral IAP repeat-containing 2	Birc2	60371	1,34	down
6570921	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,33	up
6329510	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,26	down
6473187	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,23	up
6447598	7341989	1725045	baculoviral IAP repeat-containing 2	Birc2	60371	1,15	down
6294155	7341989	1725045	baculoviral IAP repeat-containing 2	Birc2	60371	1,14	down
6585015	7341989	1725047	baculoviral IAP repeat-containing 2	Birc2	60371	1,12	down
6713727	7341989	1725046	baculoviral IAP repeat-containing 2	Birc2	60371	1,09	up
5786327	7341989	1725052	baculoviral IAP repeat-containing 2	Birc2	60371	1,01	up
5679629	7341999	1725071	baculoviral IAP repeat-containing 3	Birc3	78971	5,91	down
6158470	7341999	1725066	baculoviral IAP repeat-containing 3	Birc3	78971	3,47	down
5787669	7341999	1725070	baculoviral IAP repeat-containing 3	Birc3	78971	2,26	down
6232897	7341999	1725069	baculoviral IAP repeat-containing 3	Birc3	78971	1,86	up
5903319	7341999	1725063	baculoviral IAP repeat-containing 3	Birc3	78971	1,41	down
5856477	7341999	1725062	baculoviral IAP repeat-containing 3	Birc3	78971	1,23	up
6686061	7341999	1725067	baculoviral IAP repeat-containing 3	Birc3	78971	1,17	up
6630065	7341999	1725068	baculoviral IAP repeat-containing 3	Birc3	78971	1,16	up
6361270	7341999	1725065	baculoviral IAP repeat-containing 3	Birc3	78971	1,14	up
6300405	7341999	1725064	baculoviral IAP repeat-containing 3	Birc3	78971	1,12	up
6048217	7096589	1118524	BAIL-associated protein 2-like 1	Baiap211	304282	2,73	up
6038878	7096589	1118520	BAIL-associated protein 2-like 1	Baiap211	304282	2,11	up
5848655	7096589	1118513	BAIL-associated protein 2-like 1	Baiap211	304282	1,70	down
6189706	7096589	1118515	BAIL-associated protein 2-like 1	Baiap211	304282	1,60	up
5770650	7096589	1118504	BAIL-associated protein 2-like 1	Baiap211	304282	1,47	down
5987137	7096589	1118517	BAIL-associated protein 2-like 1	Baiap211	304282	1,37	up
5895948	7096589	1118514	BAIL-associated protein 2-like 1	Baiap211	304282	1,36	down
6227589	7096589	1118525	BAIL-associated protein 2-like 1	Baiap211	304282	1,34	up
6193479	7096589	1118507	BAIL-associated protein 2-like 1	Baiap211	304282	1,30	up
6601871	7096589	1118529	BAIL-associated protein 2-like 1	Baiap211	304282	1,30	down
6347987	7096589	1118527	BAIL-associated protein 2-like 1	Baiap211	304282	1,19	up
6540679	7096589	1118504	BAIL-associated protein 2-like 1	Baiap211	304282	1,18	down
6286105	7096589	1118528	BAIL-associated protein 2-like 1	Baiap211	304282	1,10	up
6039084	7096589	1118521	BAIL-associated protein 2-like 1	Baiap211	304282	1,09	down
6530182	7096589	1118506	BAIL-associated protein 2-like 1	Baiap211	304282	1,05	down
6559888	7096589	1118523	BAIL-associated protein 2-like 1	Baiap211	304282	1,03	up
5935866	7059648	1030691	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	2,28	up
6027744	7059648	1030675	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	2,09	down
5650782	7059648	1030680	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,62	up
6241283	7059648	1030689	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,34	up
5961934	7059648	1030684	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,29	up
6689821	7059648	1030687	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,29	down

5989461	7059648	1030690	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,24	down
6421680	7059648	1030676	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,18	up
6124731	7059648	1030679	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,15	down
6631997	7059648	1030688	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,14	up
5762351	7059648	1030692	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,13	down
6519708	7059648	1030678	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,12	down
6033907	7059648	1030685	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,11	down
6367384	7059648	1030683	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,10	down
5779377	7059648	1030677	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,09	up
6200033	7059648	1030681	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,07	down
5910228	7059648	1030675	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,04	down
6014705	7059648	1030675	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,02	up
5728597	7059648	1030682	Bardet-Biedl syndrome 1 homolog (human)	Bbs1	309156	1,00	down
6486908	7207686	1393642	Bardet-Biedl syndrome 7	Bbs7	361930	2,03	up
6005507	7207686	1393639	Bardet-Biedl syndrome 7	Bbs7	361930	1,68	down
6139431	7207686	1393625	Bardet-Biedl syndrome 7	Bbs7	361930	1,61	down
5814609	7207686	1393630	Bardet-Biedl syndrome 7	Bbs7	361930	1,61	up
6369239	7207686	1393629	Bardet-Biedl syndrome 7	Bbs7	361930	1,47	down
6397408	7207686	1393638	Bardet-Biedl syndrome 7	Bbs7	361930	1,36	down
6691740	7207686	1393643	Bardet-Biedl syndrome 7	Bbs7	361930	1,35	down
6403054	7207686	1393626	Bardet-Biedl syndrome 7	Bbs7	361930	1,31	down
6744936	7207686	1393635	Bardet-Biedl syndrome 7	Bbs7	361930	1,24	up
6021290	7207686	1393636	Bardet-Biedl syndrome 7	Bbs7	361930	1,19	up
6221452	7207686	1393639	Bardet-Biedl syndrome 7	Bbs7	361930	1,17	down
5682433	7207686	1393627	Bardet-Biedl syndrome 7	Bbs7	361930	1,17	down
6443201	7207686	1393641	Bardet-Biedl syndrome 7	Bbs7	361930	1,15	down
6109605	7207686	1393624	Bardet-Biedl syndrome 7	Bbs7	361930	1,15	up
5973924	7207686	1393634	Bardet-Biedl syndrome 7	Bbs7	361930	1,13	up
6123287	7207686	1393628	Bardet-Biedl syndrome 7	Bbs7	361930	1,11	down
6338715	7207686	1393632	Bardet-Biedl syndrome 7	Bbs7	361930	1,11	down
5699220	7207686	1393626	Bardet-Biedl syndrome 7	Bbs7	361930	1,10	down
6368034	7207686	1393631	Bardet-Biedl syndrome 7	Bbs7	361930	1,09	up
6160026	7207686	1393633	Bardet-Biedl syndrome 7	Bbs7	361930	1,09	down
6407232	7207686	1393640	Bardet-Biedl syndrome 7	Bbs7	361930	1,08	down
5968950	7207686	1393643	Bardet-Biedl syndrome 7	Bbs7	361930	1,04	up
6326834	7207686	1393637	Bardet-Biedl syndrome 7	Bbs7	361930	1,04	down
6656723	7048702	1006923	basal cell adhesion molecule	Bcam	78958	2,08	down
5735310	7048702	1006912	basal cell adhesion molecule	Bcam	78958	1,83	up
5791330	7048702	1006912	basal cell adhesion molecule	Bcam	78958	1,80	up
5707169	7048702	1006919	basal cell adhesion molecule	Bcam	78958	1,46	up
5902281	7048702	1006918	basal cell adhesion molecule	Bcam	78958	1,46	down
6409768	7048702	1006913	basal cell adhesion molecule	Bcam	78958	1,39	down
6326587	7048702	1006920	basal cell adhesion molecule	Bcam	78958	1,37	down
5799092	7048702	1006921	basal cell adhesion molecule	Bcam	78958	1,33	down
6694963	7048702	1006911	basal cell adhesion molecule	Bcam	78958	1,31	up
6176013	7048702	1006911	basal cell adhesion molecule	Bcam	78958	1,28	down
6515887	7048702	1006917	basal cell adhesion molecule	Bcam	78958	1,24	up
6571831	7048702	1006916	basal cell adhesion molecule	Bcam	78958	1,19	down
6435870	7048702	1006924	basal cell adhesion molecule	Bcam	78958	1,18	down
6331176	7048702	1006914	basal cell adhesion molecule	Bcam	78958	1,15	down
5968247	7048702	1006923	basal cell adhesion molecule	Bcam	78958	1,13	up
5731522	7048702	1006911	basal cell adhesion molecule	Bcam	78958	1,06	up
6745631	7048702	1006923	basal cell adhesion molecule	Bcam	78958	1,06	down
6032485	7048702	1006922	basal cell adhesion molecule	Bcam	78958	1,06	up
6711084	7048702	1006915	basal cell adhesion molecule	Bcam	78958	1,05	up
6055335	7048702	1006925	basal cell adhesion molecule	Bcam	78958	1,01	up
6117887	7377146	1814104	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	2,15	up

5800241	7377146	1814106	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,39	down
6728102	7377146	1814104	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,37	down
5653568	7377146	1814104	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,26	up
6095177	7377146	1814104	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,26	down
6717231	7377146	1814105	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,24	up
6216005	7377146	1814105	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,13	down
6430531	7377146	1814105	basic helix-loop-helix domain containing, class B, 9	Bhlhb9	317407	1,01	up
6342762	7257144	1515589	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	3,87	down
6629309	7257144	1515594	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,66	up
6168974	7257144	1515590	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,58	down
6025454	7257144	1515593	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,31	up
6151848	7257144	1515592	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,23	up
6096327	7257144	1515589	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,16	down
6449214	7257144	1515593	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,15	up
5873882	7257144	1515591	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,07	down
6739864	7257144	1515594	basic helix-loop-helix domain containing, class B2	Bhlhb2	79431	1,01	up
6630693	7271485	1551350	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	2,52	down
5731372	7271485	1551346	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,38	down
6333359	7271485	1551350	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,29	up
6210926	7271485	1551353	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,24	up
6599722	7271485	1551350	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,23	up
6185444	7271485	1551350	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,17	up
6558610	7271485	1551346	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,14	down
5995367	7271485	1551348	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,13	down
5685871	7271485	1551351	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,07	down
5887494	7271485	1551352	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,03	up
6025517	7271485	1551349	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,01	down
5746392	7271485	1551347	basic helix-loop-helix domain containing, class B3	Bhlhb3	117095	1,00	up
6228697	7039265	983651	basic leucine zipper transcription factor, ATF-like 2	Batf2	309178	2,31	down
5640151	7288170	1592350	basonuclin 2	Bnc2	298189	2,12	down
6374021	7288170	1592321	basonuclin 2	Bnc2	298189	2,08	up
6106498	7288170	1592361	basonuclin 2	Bnc2	298189	2,00	up
6562457	7288170	1592348	basonuclin 2	Bnc2	298189	1,62	up
6383075	7288170	1592327	basonuclin 2	Bnc2	298189	1,36	up
6187918	7288170	1592303	basonuclin 2	Bnc2	298189	1,28	down
5844262	7288170	1592348	basonuclin 2	Bnc2	298189	1,25	down
5861287	7288170	1592361	basonuclin 2	Bnc2	298189	1,11	up
6623202	7288170	1592288	basonuclin 2	Bnc2	298189	1,09	down
6446610	7288170	1592303	basonuclin 2	Bnc2	298189	1,06	down
5976475	7288170	1592303	basonuclin 2	Bnc2	298189	1,01	up
6429425	7048723	1006956	B-cell CLL/lymphoma 3	Bcl3	680611	8,10	down
5965197	7048723	1006948	B-cell CLL/lymphoma 3	Bcl3	680611	2,66	up
6612212	7048723	1006954	B-cell CLL/lymphoma 3	Bcl3	680611	2,29	up
5641634	7048723	1006955	B-cell CLL/lymphoma 3	Bcl3	680611	2,01	up
5877247	7048723	1006956	B-cell CLL/lymphoma 3	Bcl3	680611	1,85	down
6081744	7048723	1006950	B-cell CLL/lymphoma 3	Bcl3	680611	1,53	up
6076844	7048723	1006952	B-cell CLL/lymphoma 3	Bcl3	680611	1,49	down
6254187	7048723	1006949	B-cell CLL/lymphoma 3	Bcl3	680611	1,35	down
5861046	7048723	1006951	B-cell CLL/lymphoma 3	Bcl3	680611	1,21	down
6034429	7048723	1006953	B-cell CLL/lymphoma 3	Bcl3	680611	1,17	down
6213226	7221055	1425394	BCL2-antagonist/killer 1	Bak1	116502	2,42	down
5881396	7221055	1425395	BCL2-antagonist/killer 1	Bak1	116502	1,77	down
5774276	7221055	1425394	BCL2-antagonist/killer 1	Bak1	116502	1,63	down
5815221	7221055	1425391	BCL2-antagonist/killer 1	Bak1	116502	1,53	up
6199140	7221055	1425390	BCL2-antagonist/killer 1	Bak1	116502	1,46	up
6262184	7221055	1425392	BCL2-antagonist/killer 1	Bak1	116502	1,27	down
6194540	7221055	1425390	BCL2-antagonist/killer 1	Bak1	116502	1,23	down

5891981	7221055	1425390	BCL2-antagonist/killer 1	Bak1	116502	1,18	up
6307232	7221055	1425391	BCL2-antagonist/killer 1	Bak1	116502	1,02	down
6402587	7221055	1425393	BCL2-antagonist/killer 1	Bak1	116502	1,01	down
5684840	7070869	1058489	benzodiazapine receptor associated protein 1	Bzrap1	287609	2,89	down
5929812	7070869	1058493	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,78	down
5626575	7070869	1058489	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,55	down
5962074	7070869	1058484	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,55	down
5763484	7070869	1058474	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,54	down
6606592	7070869	1058481	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,49	down
6371044	7070869	1058485	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,49	up
6488072	7070869	1058501	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,48	down
6292670	7070869	1058489	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,47	up
6402640	7070869	1058475	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,47	up
6481950	7070869	1058482	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,44	down
6034938	7070869	1058492	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,42	down
6285270	7070869	1058497	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,36	down
6716118	7070869	1058491	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,34	down
6009592	7070869	1058479	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,31	up
6310859	7070869	1058494	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,29	down
6232646	7070869	1058476	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,25	down
5704883	7070869	1058499	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,25	down
6005727	7070869	1058490	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,24	up
5640104	7070869	1058496	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,23	down
6081799	7070869	1058495	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,23	up
6433193	7070869	1058471	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,19	up
5827261	7070869	1058482	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,19	down
5922070	7070869	1058488	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,18	down
5899060	7070869	1058495	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,18	up
6611256	7070869	1058491	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,17	up
6279229	7070869	1058487	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,17	down
5789564	7070869	1058480	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,16	down
6362265	7070869	1058470	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,13	up
6027533	7070869	1058473	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,12	up
6119117	7070869	1058502	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,12	up
6640851	7070869	1058477	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,12	up
5754964	7070869	1058478	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,11	down
6528589	7070869	1058491	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,10	down
6650806	7070869	1058491	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,10	up
5627395	7070869	1058498	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,10	down
6695811	7070869	1058502	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,09	up
6618242	7070869	1058486	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,09	up
6304830	7070869	1058489	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,08	down
6320000	7070869	1058484	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,08	down
5780184	7070869	1058491	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,07	up
6568261	7070869	1058502	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,05	down
5922451	7070869	1058481	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,05	up
6416499	7070869	1058474	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,04	down
6698355	7070869	1058491	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,03	down
5820327	7070869	1058472	benzodiazapine receptor associated protein 1	Bzrap1	287609	1,00	up
5958215	7315206	1660010	bestrophin 3	Best3	314847	1,65	up
6144221	7315206	1660034	bestrophin 3	Best3	314847	1,30	down
6072704	7343381	1728453	beta-galactosidase-like protein	Bin2a	494244	2,21	down
5876867	7343381	1728443	beta-galactosidase-like protein	Bin2a	494244	1,97	up
6404129	7343381	1728443	beta-galactosidase-like protein	Bin2a	494244	1,66	down
6011737	7343381	1728447	beta-galactosidase-like protein	Bin2a	494244	1,52	up
6291495	7343381	1728451	beta-galactosidase-like protein	Bin2a	494244	1,41	up
6097340	7343381	1728452	beta-galactosidase-like protein	Bin2a	494244	1,37	down

5783592	7343381	1728456	beta-galactosidase-like protein	Bin2a	494244	1,36	down
6322344	7343381	1728441	beta-galactosidase-like protein	Bin2a	494244	1,31	down
6528963	7343381	1728457	beta-galactosidase-like protein	Bin2a	494244	1,30	down
6145540	7343381	1728442	beta-galactosidase-like protein	Bin2a	494244	1,22	up
5970996	7343381	1728458	beta-galactosidase-like protein	Bin2a	494244	1,20	up
6297077	7343381	1728445	beta-galactosidase-like protein	Bin2a	494244	1,19	down
6322338	7343381	1728453	beta-galactosidase-like protein	Bin2a	494244	1,16	up
5714052	7343381	1728449	beta-galactosidase-like protein	Bin2a	494244	1,15	up
5750919	7343381	1728446	beta-galactosidase-like protein	Bin2a	494244	1,13	down
6360153	7343381	1728454	beta-galactosidase-like protein	Bin2a	494244	1,12	up
6031513	7343381	1728455	beta-galactosidase-like protein	Bin2a	494244	1,10	up
6679749	7343381	1728459	beta-galactosidase-like protein	Bin2a	494244	1,08	down
6552244	7343381	1728440	beta-galactosidase-like protein	Bin2a	494244	1,04	up
5987232	7343381	1728450	beta-galactosidase-like protein	Bin2a	494244	1,02	up
6429911	7343381	1728448	beta-galactosidase-like protein	Bin2a	494244	1,00	up
6503692	7343381	1728460	beta-galactosidase-like protein	Bin2a	494244	1,00	up
6632138	7343381	1728444	beta-galactosidase-like protein	Bin2a	494244	1,00	up
6153135	7202449	1381295	betaine-homocysteine methyltransferase	Bhmt	81508	2,14	down
5968173	7202449	1381297	betaine-homocysteine methyltransferase	Bhmt	81508	1,54	down
6598661	7202449	1381302	betaine-homocysteine methyltransferase	Bhmt	81508	1,47	up
6342215	7202449	1381296	betaine-homocysteine methyltransferase	Bhmt	81508	1,34	down
6557076	7202449	1381298	betaine-homocysteine methyltransferase	Bhmt	81508	1,32	up
5677239	7202449	1381303	betaine-homocysteine methyltransferase	Bhmt	81508	1,19	down
5819320	7202449	1381299	betaine-homocysteine methyltransferase	Bhmt	81508	1,08	up
6724215	7202449	1381301	betaine-homocysteine methyltransferase	Bhmt	81508	1,05	up
6376147	7202449	1381300	betaine-homocysteine methyltransferase	Bhmt	81508	1,00	down
6183129	7335700	1708718	beta-site APP cleaving enzyme 1	Bace1	29392	1,27	down
5757380	7335700	1708719	beta-site APP cleaving enzyme 1	Bace1	29392	1,22	up
6219484	7335700	1708717	beta-site APP cleaving enzyme 1	Bace1	29392	1,12	down
6690501	7335700	1708721	beta-site APP cleaving enzyme 1	Bace1	29392	1,08	up
6006335	7335700	1708723	beta-site APP cleaving enzyme 1	Bace1	29392	1,07	down
6030772	7335700	1708722	beta-site APP cleaving enzyme 1	Bace1	29392	1,06	up
6742441	7335700	1708725	beta-site APP cleaving enzyme 1	Bace1	29392	1,05	down
6325359	7335700	1708724	beta-site APP cleaving enzyme 1	Bace1	29392	1,05	up
5864172	7335700	1708720	beta-site APP cleaving enzyme 1	Bace1	29392	1,03	down
5716476	7335700	1708717	beta-site APP cleaving enzyme 1	Bace1	29392	1,03	down
6489331	7260066	1522889	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,76	up
6013731	7260066	1522904	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,73	up
5914015	7260066	1522898	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,31	up
6249465	7260066	1522885	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,24	down
5844202	7260066	1522903	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,23	down
6141436	7260066	1522904	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,22	up
6735326	7260066	1522885	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,19	down
6301102	7260066	1522904	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,18	up
6396884	7260066	1522889	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,17	down
5852712	7260066	1522890	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,15	down
6666179	7260066	1522903	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,08	down
5818596	7260066	1522899	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,04	down
6675164	7260066	1522896	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,03	down
6687385	7260066	1522897	bicaudal D homolog 1 (Drosophila)	Bicd1	362466	1,03	up
6010870	7029985	960591	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	2,16	up
6205377	7029985	960587	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,39	down
5994249	7029985	960593	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,28	up
6348597	7029985	960596	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,24	up
6501712	7029985	960587	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,10	down
6469418	7029985	960594	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,04	down
6305467	7029985	960595	biliverdin reductase B (flavin reductase (NADPH))	Blvrb	292737	1,02	down

6356223	7123421	1185825	BMP-2 inducible kinase	Bmp2k	498333	2,06	down
6526284	7123421	1185821	BMP-2 inducible kinase	Bmp2k	498333	1,83	down
6086567	7123421	1185839	BMP-2 inducible kinase	Bmp2k	498333	1,62	up
6046971	7123421	1185834	BMP-2 inducible kinase	Bmp2k	498333	1,41	up
5669317	7123421	1185828	BMP-2 inducible kinase	Bmp2k	498333	1,32	down
6480892	7123421	1185825	BMP-2 inducible kinase	Bmp2k	498333	1,28	down
6746852	7123421	1185836	BMP-2 inducible kinase	Bmp2k	498333	1,26	up
6391620	7123421	1185831	BMP-2 inducible kinase	Bmp2k	498333	1,19	up
6536991	7123421	1185833	BMP-2 inducible kinase	Bmp2k	498333	1,15	up
6631080	7123421	1185821	BMP-2 inducible kinase	Bmp2k	498333	1,15	down
5648570	7123421	1185825	BMP-2 inducible kinase	Bmp2k	498333	1,12	down
6116793	7123421	1185840	BMP-2 inducible kinase	Bmp2k	498333	1,06	down
6361680	7123421	1185831	BMP-2 inducible kinase	Bmp2k	498333	1,04	down
5852853	7123421	1185830	BMP-2 inducible kinase	Bmp2k	498333	1,02	up
6041602	7123421	1185812	BMP-2 inducible kinase	Bmp2k	498333	1,00	up
5886975	7123310	1185436	bone morphogenetic protein 3	Bmp3	25667	2,13	down
5722639	7123310	1185437	bone morphogenetic protein 3	Bmp3	25667	1,39	up
6626251	7123310	1185438	bone morphogenetic protein 3	Bmp3	25667	1,21	up
5940733	7123310	1185438	bone morphogenetic protein 3	Bmp3	25667	1,21	up
6293809	7123310	1185438	bone morphogenetic protein 3	Bmp3	25667	1,06	up
6531494	7163498	1283411	bone morphogenetic protein 6	Bmp6	25644	2,31	down
6543591	7163498	1283409	bone morphogenetic protein 6	Bmp6	25644	1,85	up
5981693	7163498	1283410	bone morphogenetic protein 6	Bmp6	25644	1,78	up
6296252	7163498	1283414	bone morphogenetic protein 6	Bmp6	25644	1,62	down
5618854	7163498	1283414	bone morphogenetic protein 6	Bmp6	25644	1,57	down
5929060	7163498	1283413	bone morphogenetic protein 6	Bmp6	25644	1,39	up
5895656	7163498	1283414	bone morphogenetic protein 6	Bmp6	25644	1,37	down
6066129	7163498	1283412	bone morphogenetic protein 6	Bmp6	25644	1,12	down
6726255	7163498	1283414	bone morphogenetic protein 6	Bmp6	25644	1,07	up
5978684	7290814	1598679	bone morphogenetic protein 8a	Bmp8a	680931	2,20	up
6644159	7290814	1598679	bone morphogenetic protein 8a	Bmp8a	680931	1,72	up
5847006	7290814	1598679	bone morphogenetic protein 8a	Bmp8a	680931	1,44	down
5885308	7290814	1598672	bone morphogenetic protein 8a	Bmp8a	680931	1,37	down
6143620	7290814	1598672	bone morphogenetic protein 8a	Bmp8a	680931	1,26	up
6268744	7290814	1598675	bone morphogenetic protein 8a	Bmp8a	680931	1,24	down
6675402	7290814	1598679	bone morphogenetic protein 8a	Bmp8a	680931	1,21	up
6440188	7290814	1598679	bone morphogenetic protein 8a	Bmp8a	680931	1,09	down
6663444	7290814	1598671	bone morphogenetic protein 8a	Bmp8a	680931	1,09	up
6056078	7290814	1598665	bone morphogenetic protein 8a	Bmp8a	680931	1,06	down
6068501	7290814	1598665	bone morphogenetic protein 8a	Bmp8a	680931	1,03	up
5711099	7290814	1598670	bone morphogenetic protein 8a	Bmp8a	680931	1,01	up
6046198	7290814	1598679	bone morphogenetic protein 8a	Bmp8a	680931	1,01	up
6585948	7290814	1598676	bone morphogenetic protein 8a	Bmp8a	680931	1,01	up
6185618	7318084	1667933	brain-specific angiogenesis inhibitor 1	Bai1	362931	2,16	up
5692228	7318084	1667935	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,59	up
6165519	7318084	1667910	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,58	down
6613687	7318084	1667939	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,57	down
6709504	7318084	1667925	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,56	down
6701901	7318084	1667908	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,53	down
5719931	7318084	1667939	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,52	down
6240142	7318084	1667942	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,47	up
6219326	7318084	1667904	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,43	down
6476639	7318084	1667939	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,40	down
5696011	7318084	1667937	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,39	down
6459180	7318084	1667902	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,39	up
6649946	7318084	1667938	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,38	down
6203159	7318084	1667918	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,30	up

5856147	7318084	1667909	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,30	down
5932026	7318084	1667913	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,28	up
6482767	7318084	1667905	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,27	up
6521770	7318084	1667917	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,26	up
6525420	7318084	1667908	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,24	up
6706613	7318084	1667932	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,24	down
6248599	7318084	1667912	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,22	down
5665277	7318084	1667942	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,19	up
5903853	7318084	1667940	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,17	down
6561261	7318084	1667931	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,17	up
5629500	7318084	1667941	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,16	down
6259944	7318084	1667929	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,11	down
5948892	7318084	1667934	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,11	down
5677735	7318084	1667906	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,09	up
6343226	7318084	1667915	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,07	down
6213701	7318084	1667930	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,07	up
6193204	7318084	1667914	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,05	down
5764004	7318084	1667907	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,04	up
6346612	7318084	1667911	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,02	up
6320814	7318084	1667919	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,01	down
5835184	7318084	1667927	brain-specific angiogenesis inhibitor 1	Bai1	362931	1,01	up
6427637	7279881	1572745	brain-specific angiogenesis inhibitor 2	Bai2	313058	2,36	down
6115306	7279881	1572747	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,77	down
6009735	7279881	1572716	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,62	down
6619332	7279881	1572742	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,51	down
6486360	7279881	1572732	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,44	down
6658118	7279881	1572728	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,43	down
6627103	7279881	1572716	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,36	down
5793187	7279881	1572731	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,35	down
6582005	7279881	1572726	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,33	down
6557309	7279881	1572729	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,33	down
6709056	7279881	1572720	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,33	down
6066592	7279881	1572730	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,31	up
5895152	7279881	1572716	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,30	down
6370572	7279881	1572738	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,29	up
6656478	7279881	1572721	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,24	up
6674694	7279881	1572736	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,22	up
5662188	7279881	1572737	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,20	down
5976103	7279881	1572724	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,19	down
6627269	7279881	1572740	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,19	up
5963378	7279881	1572746	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,18	down
6365374	7279881	1572738	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,17	down
6585941	7279881	1572746	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,17	up
6238558	7279881	1572736	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,17	down
5636403	7279881	1572723	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,16	up
6700090	7279881	1572744	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,16	up
5829650	7279881	1572734	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,13	down
5938534	7279881	1572722	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,11	down
6552665	7279881	1572719	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,11	up
6432046	7279881	1572736	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,10	down
6463420	7279881	1572729	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,09	up
5648745	7279881	1572741	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,07	down
6385731	7279881	1572733	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,06	up
6686149	7279881	1572727	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,04	up
6739885	7279881	1572725	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,03	down
6056548	7279881	1572743	brain-specific angiogenesis inhibitor 2	Bai2	313058	1,01	up
5850843	7271115	1550299	branched chain aminotransferase 1, cytosolic	Bcat1	29592	8,74	down

6307065	7271115	1550298	branched chain aminotransferase 1, cytosolic	Bcat1	29592	3,58	down
6629637	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,43	down
6093308	7271115	1550295	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,30	up
6145812	7271115	1550293	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,25	up
5885046	7271115	1550296	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,23	up
6742745	7271115	1550290	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,22	up
6264997	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,21	up
5951501	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,17	down
6321141	7271115	1550294	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,14	down
6274057	7271115	1550289	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,13	up
6558376	7271115	1550291	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,09	down
6416046	7271115	1550297	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,09	down
6001757	7271115	1550292	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,07	up
5846101	7271115	1550297	branched chain aminotransferase 1, cytosolic	Bcat1	29592	1,01	up
6370142	7070668	1057890	breast carcinoma amplified sequence 3	Bcas3	363662	2,23	up
6260411	7070668	1057888	breast carcinoma amplified sequence 3	Bcas3	363662	1,60	up
6281672	7070668	1057906	breast carcinoma amplified sequence 3	Bcas3	363662	1,57	down
6546301	7070668	1057900	breast carcinoma amplified sequence 3	Bcas3	363662	1,45	down
6575637	7070668	1057893	breast carcinoma amplified sequence 3	Bcas3	363662	1,41	down
5902019	7070668	1057891	breast carcinoma amplified sequence 3	Bcas3	363662	1,39	up
6539885	7070668	1057901	breast carcinoma amplified sequence 3	Bcas3	363662	1,30	down
6474626	7070668	1057906	breast carcinoma amplified sequence 3	Bcas3	363662	1,30	up
6541836	7070668	1057918	breast carcinoma amplified sequence 3	Bcas3	363662	1,27	down
6420861	7070668	1057908	breast carcinoma amplified sequence 3	Bcas3	363662	1,22	down
6077659	7070668	1057892	breast carcinoma amplified sequence 3	Bcas3	363662	1,21	up
5634160	7070668	1057916	breast carcinoma amplified sequence 3	Bcas3	363662	1,21	down
6503621	7070668	1057911	breast carcinoma amplified sequence 3	Bcas3	363662	1,19	down
5902554	7070668	1057895	breast carcinoma amplified sequence 3	Bcas3	363662	1,19	down
6738595	7070668	1057913	breast carcinoma amplified sequence 3	Bcas3	363662	1,12	up
6376616	7070668	1057918	breast carcinoma amplified sequence 3	Bcas3	363662	1,08	down
5760064	7070668	1057910	breast carcinoma amplified sequence 3	Bcas3	363662	1,06	down
6625619	7070668	1057912	breast carcinoma amplified sequence 3	Bcas3	363662	1,03	up
6399569	7101860	1132306	Bri3 binding protein	Bri3bp	498176	2,24	down
5626665	7101860	1132306	Bri3 binding protein	Bri3bp	498176	1,20	down
6303083	7101860	1132304	Bri3 binding protein	Bri3bp	498176	1,18	up
6370200	7101860	1132303	Bri3 binding protein	Bri3bp	498176	1,10	up
6299930	7101860	1132304	Bri3 binding protein	Bri3bp	498176	1,07	up
6710295	7101860	1132305	Bri3 binding protein	Bri3bp	498176	1,04	up
6711279	7101860	1132306	Bri3 binding protein	Bri3bp	498176	1,02	up
6340373	7223833	1431973	brix domain containing 1	Bxdc1	294436	2,02	up
5927627	7223833	1431972	brix domain containing 1	Bxdc1	294436	1,91	down
6243050	7223833	1431979	brix domain containing 1	Bxdc1	294436	1,52	up
5995217	7223833	1431974	brix domain containing 1	Bxdc1	294436	1,48	up
6119996	7223833	1431982	brix domain containing 1	Bxdc1	294436	1,38	down
5909179	7223833	1431977	brix domain containing 1	Bxdc1	294436	1,35	up
6003949	7223833	1431978	brix domain containing 1	Bxdc1	294436	1,24	down
5730934	7223833	1431974	brix domain containing 1	Bxdc1	294436	1,22	down
5689101	7223833	1431983	brix domain containing 1	Bxdc1	294436	1,18	down
6693014	7223833	1431981	brix domain containing 1	Bxdc1	294436	1,09	up
5735292	7223833	1431980	brix domain containing 1	Bxdc1	294436	1,09	up
6446595	7231557	1451561	bromo adjacent homology domain containing 1	Bahd1	362194	1,32	down
6501407	7231557	1451570	bromo adjacent homology domain containing 1	Bahd1	362194	1,31	up
5936307	7239303	1471978	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	2,18	down
6694701	7239303	1471985	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,91	down
6593717	7239303	1471964	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,86	down
6140693	7239303	1472001	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,74	up
6741302	7239303	1471979	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,73	down

5906573	7239303	1471943	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,57	up
6738275	7239303	1471946	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,52	up
6489429	7239303	1471953	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,47	up
6280723	7239303	1471940	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,39	up
5817435	7239303	1471997	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,38	up
6043280	7239303	1471973	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,34	up
6111497	7239303	1471956	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,34	down
5705248	7239303	1471942	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,33	up
6580013	7239303	1471965	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,32	down
5774419	7239303	1471945	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,31	down
5723666	7239303	1471943	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,30	up
5882248	7239303	1471954	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,27	down
6346385	7239303	1471986	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,27	up
5919833	7239303	1471970	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,26	down
6438114	7239303	1471947	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,25	up
6422632	7239303	1471977	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,25	up
6577813	7239303	1471978	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,24	down
6413010	7239303	1471938	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,22	up
6128006	7239303	1471957	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,20	up
6375957	7239303	1471947	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,19	down
6503631	7239303	1471972	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,19	up
5900907	7239303	1471974	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,19	down
5812815	7239303	1471948	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,19	up
6696047	7239303	1471969	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,19	up
6009995	7239303	1471978	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,18	down
6231894	7239303	1471952	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,18	up
6456359	7239303	1471958	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,17	up
5845876	7239303	1471952	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,14	up
6178408	7239303	1471941	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,14	up
6040759	7239303	1471959	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,11	up
5819111	7239303	1471951	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,11	down
6142509	7239303	1471971	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,09	down
6298048	7239303	1471966	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,09	up
6454346	7239303	1471973	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,08	up
5851111	7239303	1471947	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,07	down
6598532	7239303	1471949	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,07	down
5826766	7239303	1471952	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,06	down
6655942	7239303	1471992	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,06	up
5828270	7239303	1471974	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,04	down
5764567	7239303	1471950	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,04	up
5797951	7239303	1471942	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,04	up
6051355	7239303	1471966	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,04	down
6539006	7239303	1471955	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,03	up
6405919	7239303	1471975	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,03	down
5784542	7239303	1471939	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,02	down
6296866	7239303	1471962	bromodomain adjacent to zinc finger domain, 2B	Baz2b	317627	1,01	up
6364256	7330582	1696866	bromodomain containing 1	Brd1	315210	1,96	down
6486867	7330582	1696867	bromodomain containing 1	Brd1	315210	1,32	down
6539165	7330582	1696868	bromodomain containing 1	Brd1	315210	1,28	up
6020601	7330582	1696864	bromodomain containing 1	Brd1	315210	1,26	down
5970249	7330582	1696871	bromodomain containing 1	Brd1	315210	1,25	up
5944797	7330582	1696860	bromodomain containing 1	Brd1	315210	1,20	down
6261988	7330582	1696859	bromodomain containing 1	Brd1	315210	1,18	down
6495640	7330582	1696871	bromodomain containing 1	Brd1	315210	1,17	up
6485201	7330582	1696858	bromodomain containing 1	Brd1	315210	1,10	up
5996764	7330582	1696862	bromodomain containing 1	Brd1	315210	1,09	down
5690971	7330582	1696865	bromodomain containing 1	Brd1	315210	1,07	up

6442256	7330582	1696869	bromodomain containing 1	Brd1	315210	1,06	up
5823694	7330582	1696861	bromodomain containing 1	Brd1	315210	1,04	down
6578599	7330582	1696858	bromodomain containing 1	Brd1	315210	1,01	down
6293111	7312250	1652649	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	2,28	down
5756488	7312250	1652654	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,91	down
5920059	7312250	1652654	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,71	down
6292017	7312250	1652645	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,67	up
6397179	7312250	1652640	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,57	up
6054101	7312250	1652651	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,54	down
5974749	7312250	1652643	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,36	up
6341287	7312250	1652650	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,36	up
5960988	7312250	1652653	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,31	down
6657968	7312250	1652646	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,26	up
5953566	7312250	1652652	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,25	up
5898600	7312250	1652647	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,23	down
6490835	7312250	1652648	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,15	up
6202020	7312250	1652644	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,13	up
6159141	7312250	1652655	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,12	up
6624171	7312250	1652641	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,04	down
6030109	7312250	1652651	bruno-like 5, RNA binding protein (Drosophila)	Brunol5	314647	1,00	down
6081143	7053714	1018007	BTB (POZ) domain containing 1	Btbd1	293060	2,04	up
6712100	7053714	1018007	BTB (POZ) domain containing 1	Btbd1	293060	1,31	up
6688936	7053714	1018003	BTB (POZ) domain containing 1	Btbd1	293060	1,29	down
6239838	7053714	1018005	BTB (POZ) domain containing 1	Btbd1	293060	1,24	down
5915414	7053714	1017999	BTB (POZ) domain containing 1	Btbd1	293060	1,23	up
6557803	7053714	1018006	BTB (POZ) domain containing 1	Btbd1	293060	1,16	down
6549250	7053714	1018001	BTB (POZ) domain containing 1	Btbd1	293060	1,13	down
5665394	7053714	1018002	BTB (POZ) domain containing 1	Btbd1	293060	1,08	down
6247196	7053714	1018000	BTB (POZ) domain containing 1	Btbd1	293060	1,02	down
6517670	7053714	1018004	BTB (POZ) domain containing 1	Btbd1	293060	1,01	down
6601457	7053714	1018003	BTB (POZ) domain containing 1	Btbd1	293060	1,01	down
5955462	7037442	979079	BTB (POZ) domain containing 16	Btbd16	361658	2,20	up
6275944	7037442	979087	BTB (POZ) domain containing 16	Btbd16	361658	2,04	down
6155482	7037442	979081	BTB (POZ) domain containing 16	Btbd16	361658	1,67	down
6253615	7037442	979082	BTB (POZ) domain containing 16	Btbd16	361658	1,64	down
6359342	7037442	979076	BTB (POZ) domain containing 16	Btbd16	361658	1,47	up
5889266	7037442	979080	BTB (POZ) domain containing 16	Btbd16	361658	1,47	up
5684054	7037442	979084	BTB (POZ) domain containing 16	Btbd16	361658	1,42	up
6412164	7037442	979083	BTB (POZ) domain containing 16	Btbd16	361658	1,35	down
6634191	7037442	979086	BTB (POZ) domain containing 16	Btbd16	361658	1,34	up
6222962	7037442	979090	BTB (POZ) domain containing 16	Btbd16	361658	1,16	up
6110709	7037442	979077	BTB (POZ) domain containing 16	Btbd16	361658	1,15	down
6650281	7037442	979078	BTB (POZ) domain containing 16	Btbd16	361658	1,14	up
5721548	7037442	979075	BTB (POZ) domain containing 16	Btbd16	361658	1,09	down
5970653	7037442	979085	BTB (POZ) domain containing 16	Btbd16	361658	1,08	down
5888686	7037442	979089	BTB (POZ) domain containing 16	Btbd16	361658	1,07	down
5669739	7037442	979077	BTB (POZ) domain containing 16	Btbd16	361658	1,04	up
6157601	7037442	979091	BTB (POZ) domain containing 16	Btbd16	361658	1,01	up
5768162	7037442	979074	BTB (POZ) domain containing 16	Btbd16	361658	1,00	up
6033262	7037442	979088	BTB (POZ) domain containing 16	Btbd16	361658	1,00	up
6083729	7312465	1653055	BTB (POZ) domain containing 2	Btbd2	500793	1,35	down
6517587	7233106	1455663	BTB (POZ) domain containing 3	Btbd3	311462	2,19	down
6530143	7233106	1455663	BTB (POZ) domain containing 3	Btbd3	311462	1,30	up
5812867	7233106	1455672	BTB (POZ) domain containing 3	Btbd3	311462	1,25	down
6691243	7233106	1455665	BTB (POZ) domain containing 3	Btbd3	311462	1,09	down
5698350	7233106	1455672	BTB (POZ) domain containing 3	Btbd3	311462	1,08	down
6697935	7233106	1455672	BTB (POZ) domain containing 3	Btbd3	311462	1,03	up

6357532	7233106	1455664	BTB (POZ) domain containing 3	Btbdb3	311462	1,02	down
5828620	7086522	1093934	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	3,44	down
5673865	7086522	1093950	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,89	up
6085597	7086522	1093950	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,69	up
5648037	7086522	1093940	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,55	up
6087978	7086522	1093942	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,47	up
6677173	7086522	1093943	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,35	up
6374432	7086522	1093940	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,17	up
6103678	7086522	1093933	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,04	down
5720052	7086522	1093950	BTB and CNC homology 1, basic leucine zipper transcription factor 1	Bach1	304127	1,00	up
6077644	7372840	1803757	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,18	down
6703400	7372840	1803758	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,17	up
6187408	7372840	1803755	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,03	down
5791956	7372840	1803754	C1GALT1-specific chaperone 1	C1galt1c1	302499	1,02	up
6336380	7130447	1202664	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	2,54	up
6080595	7130447	1202684	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,45	down
6532734	7130447	1202689	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,32	down
5944343	7130447	1202680	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,28	up
6364491	7130447	1202675	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,28	up
5809979	7130447	1202664	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,24	up
5759125	7130447	1202686	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,21	down
5881431	7130447	1202673	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,20	up
5771733	7130447	1202664	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,20	down
6586207	7130447	1202688	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,19	down
5884341	7130447	1202679	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,17	down
6227152	7130447	1202670	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,15	down
6283469	7130447	1202682	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,14	down
6192561	7130447	1202683	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,14	up
6234138	7130447	1202668	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,14	down
6689474	7130447	1202667	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,07	down
6212125	7130447	1202687	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,07	down
5871241	7130447	1202681	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,06	up
6016621	7130447	1202665	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,06	down
6526515	7130447	1202674	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,05	down
6122071	7130447	1202671	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,05	up
6002362	7130447	1202676	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,05	up
5699926	7130447	1202677	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,05	up
6359257	7130447	1202684	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,04	up
6621005	7130447	1202669	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,04	up
6403927	7130447	1202685	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,03	up
6456891	7130447	1202666	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,02	up
6220972	7130447	1202672	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,01	down
5823688	7130447	1202678	Ca ⁺⁺ -dependent secretion activator	Cadps	26989	1,01	down
6070301	7222782	1429484	cadherin 23 (otocadherin)	Cdh23	114102	2,12	down
5964295	7222782	1429461	cadherin 23 (otocadherin)	Cdh23	114102	1,97	down
5737606	7222782	1429453	cadherin 23 (otocadherin)	Cdh23	114102	1,79	down
6026604	7222782	1429469	cadherin 23 (otocadherin)	Cdh23	114102	1,68	down
5806706	7222782	1429483	cadherin 23 (otocadherin)	Cdh23	114102	1,64	down
6380614	7222782	1429463	cadherin 23 (otocadherin)	Cdh23	114102	1,63	down
6021125	7222782	1429454	cadherin 23 (otocadherin)	Cdh23	114102	1,59	down
6376445	7222782	1429474	cadherin 23 (otocadherin)	Cdh23	114102	1,59	up
5848260	7222782	1429478	cadherin 23 (otocadherin)	Cdh23	114102	1,57	up
6155929	7222782	1429467	cadherin 23 (otocadherin)	Cdh23	114102	1,57	up
5799623	7222782	1429480	cadherin 23 (otocadherin)	Cdh23	114102	1,54	down
6242523	7222782	1429438	cadherin 23 (otocadherin)	Cdh23	114102	1,50	up
5968991	7222782	1429456	cadherin 23 (otocadherin)	Cdh23	114102	1,50	up
5834131	7222782	1429464	cadherin 23 (otocadherin)	Cdh23	114102	1,50	up

6165875	7222782	1429425	cadherin 23 (otocadherin)	Cdh23	114102	1,49	down
6282912	7222782	1429445	cadherin 23 (otocadherin)	Cdh23	114102	1,47	down
6085000	7222782	1429421	cadherin 23 (otocadherin)	Cdh23	114102	1,41	down
6425945	7222782	1429462	cadherin 23 (otocadherin)	Cdh23	114102	1,38	up
5948700	7222782	1429468	cadherin 23 (otocadherin)	Cdh23	114102	1,37	down
5715901	7222782	1429437	cadherin 23 (otocadherin)	Cdh23	114102	1,36	down
6464213	7222782	1429481	cadherin 23 (otocadherin)	Cdh23	114102	1,34	up
6032949	7222782	1429423	cadherin 23 (otocadherin)	Cdh23	114102	1,33	up
6702520	7222782	1429487	cadherin 23 (otocadherin)	Cdh23	114102	1,30	up
6110109	7222782	1429457	cadherin 23 (otocadherin)	Cdh23	114102	1,27	down
6703988	7222782	1429447	cadherin 23 (otocadherin)	Cdh23	114102	1,26	down
6026895	7222782	1429424	cadherin 23 (otocadherin)	Cdh23	114102	1,22	down
5836701	7222782	1429485	cadherin 23 (otocadherin)	Cdh23	114102	1,22	down
5975830	7222782	1429466	cadherin 23 (otocadherin)	Cdh23	114102	1,22	down
6405983	7222782	1429470	cadherin 23 (otocadherin)	Cdh23	114102	1,22	down
6245745	7222782	1429448	cadherin 23 (otocadherin)	Cdh23	114102	1,21	down
6251185	7222782	1429433	cadherin 23 (otocadherin)	Cdh23	114102	1,21	down
5789249	7222782	1429446	cadherin 23 (otocadherin)	Cdh23	114102	1,19	up
6591101	7222782	1429443	cadherin 23 (otocadherin)	Cdh23	114102	1,19	down
6111243	7222782	1429459	cadherin 23 (otocadherin)	Cdh23	114102	1,18	down
6044630	7222782	1429471	cadherin 23 (otocadherin)	Cdh23	114102	1,17	down
6071385	7222782	1429465	cadherin 23 (otocadherin)	Cdh23	114102	1,17	up
6289394	7222782	1429476	cadherin 23 (otocadherin)	Cdh23	114102	1,17	down
6595248	7222782	1429426	cadherin 23 (otocadherin)	Cdh23	114102	1,15	down
6654631	7222782	1429432	cadherin 23 (otocadherin)	Cdh23	114102	1,13	down
5938675	7222782	1429442	cadherin 23 (otocadherin)	Cdh23	114102	1,13	down
6196507	7222782	1429450	cadherin 23 (otocadherin)	Cdh23	114102	1,11	down
6285954	7222782	1429458	cadherin 23 (otocadherin)	Cdh23	114102	1,11	up
5939591	7222782	1429479	cadherin 23 (otocadherin)	Cdh23	114102	1,10	up
5768078	7222782	1429429	cadherin 23 (otocadherin)	Cdh23	114102	1,10	up
6613375	7222782	1429472	cadherin 23 (otocadherin)	Cdh23	114102	1,10	up
5651557	7222782	1429486	cadherin 23 (otocadherin)	Cdh23	114102	1,09	down
5941828	7222782	1429452	cadherin 23 (otocadherin)	Cdh23	114102	1,08	up
5782687	7222782	1429460	cadherin 23 (otocadherin)	Cdh23	114102	1,08	down
5846908	7222782	1429428	cadherin 23 (otocadherin)	Cdh23	114102	1,08	up
6715640	7222782	1429435	cadherin 23 (otocadherin)	Cdh23	114102	1,07	down
5888209	7222782	1429431	cadherin 23 (otocadherin)	Cdh23	114102	1,07	down
6737476	7222782	1429440	cadherin 23 (otocadherin)	Cdh23	114102	1,07	up
6329902	7222782	1429477	cadherin 23 (otocadherin)	Cdh23	114102	1,07	down
6430657	7222782	1429444	cadherin 23 (otocadherin)	Cdh23	114102	1,07	down
6012331	7222782	1429434	cadherin 23 (otocadherin)	Cdh23	114102	1,06	up
6101847	7222782	1429482	cadherin 23 (otocadherin)	Cdh23	114102	1,06	up
5737620	7222782	1429451	cadherin 23 (otocadherin)	Cdh23	114102	1,05	up
6196693	7222782	1429430	cadherin 23 (otocadherin)	Cdh23	114102	1,05	down
6666067	7222782	1429422	cadherin 23 (otocadherin)	Cdh23	114102	1,03	down
6274866	7222782	1429449	cadherin 23 (otocadherin)	Cdh23	114102	1,02	down
5998415	7222782	1429455	cadherin 23 (otocadherin)	Cdh23	114102	1,02	up
6118577	7222782	1429475	cadherin 23 (otocadherin)	Cdh23	114102	1,01	up
5698143	7222782	1429473	cadherin 23 (otocadherin)	Cdh23	114102	1,01	down
6580139	7222782	1429439	cadherin 23 (otocadherin)	Cdh23	114102	1,01	down
6272230	7222782	1429427	cadherin 23 (otocadherin)	Cdh23	114102	1,01	down
6138509	7222782	1429441	cadherin 23 (otocadherin)	Cdh23	114102	1,00	up
6713998	7222782	1429436	cadherin 23 (otocadherin)	Cdh23	114102	1,00	up
6016426	7180732	1326737	cadherin 3, type 1, P-cadherin (placental)	Cdh3	116777	1,37	up
6407055	7180732	1326736	cadherin 3, type 1, P-cadherin (placental)	Cdh3	116777	1,09	down
5780480	7205267	1387906	cadherin 6	Cdh6	25409	2,11	down
6111803	7205267	1387904	cadherin 6	Cdh6	25409	1,70	down

6487253	7205267	1387906	cadherin 6	Cdh6	25409	1,59	down
5651970	7205267	1387900	cadherin 6	Cdh6	25409	1,52	down
6403691	7205267	1387905	cadherin 6	Cdh6	25409	1,42	up
5926164	7205267	1387901	cadherin 6	Cdh6	25409	1,34	up
6219114	7205267	1387906	cadherin 6	Cdh6	25409	1,28	up
6719668	7205267	1387905	cadherin 6	Cdh6	25409	1,24	down
6628008	7205267	1387897	cadherin 6	Cdh6	25409	1,23	up
6669816	7205267	1387898	cadherin 6	Cdh6	25409	1,21	up
5686542	7205267	1387900	cadherin 6	Cdh6	25409	1,19	down
6082071	7205267	1387899	cadherin 6	Cdh6	25409	1,17	up
6397170	7205267	1387902	cadherin 6	Cdh6	25409	1,10	down
5746649	7205267	1387896	cadherin 6	Cdh6	25409	1,05	down
5679942	7205267	1387903	cadherin 6	Cdh6	25409	1,01	down
6621181	7212718	1404938	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	2,39	up
6245419	7212718	1404944	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	2,11	down
5675858	7212718	1404938	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	2,01	down
6539810	7212718	1404954	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,79	down
6367502	7212718	1404941	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,76	down
6305177	7212718	1404947	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,72	down
5933205	7212718	1404944	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,64	down
5846134	7212718	1404960	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,60	down
6177121	7212718	1404937	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,60	down
5932325	7212718	1404945	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,54	down
6005958	7212718	1404950	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,53	up
6351155	7212718	1404942	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,50	down
6112143	7212718	1404940	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,50	down
6505764	7212718	1404937	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,49	up
6481446	7212718	1404941	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,41	down
6086903	7212718	1404943	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,40	down
5651932	7212718	1404944	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,37	down
5769502	7212718	1404963	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,37	up
6636445	7212718	1404951	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,36	down
5942845	7212718	1404939	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,35	up
6136164	7212718	1404959	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,34	down
5780132	7212718	1404952	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,33	up
6153084	7212718	1404948	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,33	up
5887592	7212718	1404940	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,32	up
6214493	7212718	1404955	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,28	down
6430644	7212718	1404942	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,24	down
6428183	7212718	1404966	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,24	up
5732789	7212718	1404946	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,23	up
6522079	7212718	1404956	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,22	up
5667437	7212718	1404958	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,20	up
5989678	7212718	1404962	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,19	down
5822282	7212718	1404953	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,10	down
6046069	7212718	1404957	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,06	down
6686984	7212718	1404949	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,05	up
5655635	7212718	1404961	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,04	down
6154054	7212718	1404964	cadherin, EGF LAG seven-pass G-type receptor 2 (flamingo homolog, Drosophila)	Celsr2	83465	1,00	up
5654120	7340453	1721186	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	2,27	down
5996067	7340453	1721159	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,52	up
5984636	7340453	1721182	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,45	down
6349970	7340453	1721166	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,42	down
5988256	7340453	1721181	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,32	down
6215565	7340453	1721174	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,27	up
5976935	7340453	1721189	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,26	down
6101515	7340453	1721188	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,24	down

6488871	7340453	1721182	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,23	down
5962110	7340453	1721155	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,22	down
5655309	7340453	1721173	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,22	up
5731631	7340453	1721178	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,21	up
6122247	7340453	1721186	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,21	up
6094382	7340453	1721175	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,21	up
6111889	7340453	1721165	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,20	down
6015774	7340453	1721162	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,19	up
5710009	7340453	1721172	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,17	up
6617592	7340453	1721155	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,15	up
6672682	7340453	1721155	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,15	down
6293039	7340453	1721179	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,15	up
6725563	7340453	1721176	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,14	up
6581144	7340453	1721180	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,14	down
5901476	7340453	1721169	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,14	up
6473998	7340453	1721189	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,13	up
5652421	7340453	1721163	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,13	down
5885886	7340453	1721177	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,13	up
6138356	7340453	1721171	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,13	up
6024761	7340453	1721188	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,12	down
5681774	7340453	1721157	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,12	up
5867082	7340453	1721160	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,12	up
6604071	7340453	1721185	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,10	up
6270274	7340453	1721156	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,08	up
6260583	7340453	1721168	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,08	up
6470087	7340453	1721184	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,07	up
6568153	7340453	1721187	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,07	down
5833899	7340453	1721155	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,06	up
6068164	7340453	1721183	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,05	down
6424949	7340453	1721188	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,04	down
5871437	7340453	1721164	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,04	down
6061187	7340453	1721170	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,03	down
6157313	7340453	1721158	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,02	up
5719114	7340453	1721167	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,02	up
6366676	7340453	1721155	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,02	down
5974162	7340453	1721155	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,02	up
6641802	7340453	1721161	cadherin, EGF LAG seven-pass G-type receptor 3 (flamingo homolog, Drosophila)	Celsr3	83466	1,00	down
6188235	7056254	1023336	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	2,16	down
6384359	7056254	1023334	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	2,12	up
6080546	7056254	1023333	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,61	down
6062707	7056254	1023335	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,39	up
6360216	7056254	1023337	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,25	down
6590191	7056254	1023332	calcitonin/calcitonin-related polypeptide, alpha	Calca	24241	1,17	down
6605337	7098907	1125055	calcium binding protein 1	Cabp1	171051	2,03	down
5945224	7098907	1125058	calcium binding protein 1	Cabp1	171051	1,55	up
6575122	7098907	1125053	calcium binding protein 1	Cabp1	171051	1,25	down
6482032	7098907	1125057	calcium binding protein 1	Cabp1	171051	1,17	down
5981900	7098907	1125054	calcium binding protein 1	Cabp1	171051	1,14	up
5749246	7098907	1125056	calcium binding protein 1	Cabp1	171051	1,08	up
6573119	7340147	1720571	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	2,12	down
6732720	7340147	1720551	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,86	down
6192424	7340147	1720558	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,76	down
6344346	7340147	1720577	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,67	down
6348019	7340147	1720555	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,66	down
6626755	7340147	1720565	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,53	down
6316339	7340147	1720579	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,49	down
5645060	7340147	1720578	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,43	down

6459655	7340147	1720563	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,43	up
6404992	7340147	1720567	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,42	down
5856665	7340147	1720568	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,37	down
5645675	7340147	1720546	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,36	up
6306014	7340147	1720550	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,33	down
6042598	7340147	1720574	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,32	down
5834778	7340147	1720564	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,31	up
6003383	7340147	1720549	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,31	up
6220909	7340147	1720543	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,27	up
6391155	7340147	1720545	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,27	up
5790205	7340147	1720559	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,23	down
6365051	7340147	1720561	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,22	down
6369971	7340147	1720548	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,18	up
6134519	7340147	1720570	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,18	down
6610374	7340147	1720577	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,17	down
6167846	7340147	1720569	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,16	down
6133060	7340147	1720573	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,16	up
6697033	7340147	1720560	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,15	down
6166634	7340147	1720547	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,15	up
6032884	7340147	1720576	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,14	up
6066299	7340147	1720572	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,12	down
6716385	7340147	1720554	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,11	down
5990685	7340147	1720562	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,10	up
6412668	7340147	1720566	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,09	up
5624055	7340147	1720553	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,09	up
5996935	7340147	1720557	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,08	up
6189251	7340147	1720556	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,07	up
6588313	7340147	1720552	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,05	up
6335357	7340147	1720575	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,04	down
6099133	7340147	1720544	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,04	down
5867608	7340147	1720542	calcium channel, voltage-dependent, alpha 2/delta subunit 2	Cacna2d2	300992	1,04	down
5790265	7257893	1517456	calcium channel, voltage-dependent, alpha 2/delta subunit 4	Cacna2d4	312668	1,22	up
6316773	7148574	1247440	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	2,25	down
6247257	7148574	1247434	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	2,12	down
5822162	7148574	1247428	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,63	down
5960682	7148574	1247441	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,57	down
6280816	7148574	1247424	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,46	down
5784374	7148574	1247427	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,45	down
5691639	7148574	1247416	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,44	up
6695856	7148574	1247447	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,36	down
6282015	7148574	1247415	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,34	up
6309353	7148574	1247435	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,33	down
6231268	7148574	1247438	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,31	up
5734667	7148574	1247436	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,31	down
6599451	7148574	1247412	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,30	up
5683966	7148574	1247421	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,25	up
5651285	7148574	1247446	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,25	up
5805191	7148574	1247448	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,22	down
6212478	7148574	1247443	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,20	down
5894376	7148574	1247442	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,19	up
5835237	7148574	1247417	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,18	down
6035815	7148574	1247414	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,18	down
5876318	7148574	1247433	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,18	down
5910174	7148574	1247437	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,17	down
5648191	7148574	1247418	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,15	down
5774312	7148574	1247444	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,14	down
5959428	7148574	1247426	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,14	up

6645587	7148574	1247430	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,14	down
6678661	7148574	1247422	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,11	up
6309649	7148574	1247445	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,10	up
5823166	7148574	1247419	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,08	up
5784465	7148574	1247420	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,06	down
6546769	7148574	1247422	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,06	up
6260265	7148574	1247439	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,05	down
6467479	7148574	1247432	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,05	up
6018780	7148574	1247425	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,05	down
5706697	7148574	1247423	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,04	up
6569407	7148574	1247413	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,03	up
5958293	7148574	1247429	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,01	down
6261650	7148574	1247431	calcium channel, voltage-dependent, alpha2/delta subunit 3	Cacna2d3	306243	1,00	up
6609323	7083754	1087765	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	2,35	up
5988670	7083754	1087769	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	1,55	up
5798739	7083754	1087764	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	1,51	up
6502955	7083754	1087770	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	1,29	up
6012935	7083754	1087766	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	1,26	down
5707157	7083754	1087768	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	1,10	down
5658596	7083754	1087767	calcium channel, voltage-dependent, gamma subunit 5	Cacng5	140726	1,04	down
6605970	7268979	1544829	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	2,70	up
6347931	7268979	1544807	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,84	up
6291173	7268979	1544829	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,81	up
6746326	7268979	1544816	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,80	down
6425719	7268979	1544787	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,79	down
5863045	7268979	1544783	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,40	up
6282398	7268979	1544779	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,38	down
6489618	7268979	1544810	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,37	down
6562217	7268979	1544822	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,36	up
5972243	7268979	1544803	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,34	down
6353282	7268979	1544805	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,34	up
6436581	7268979	1544791	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,31	up
6575154	7268979	1544793	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,28	down
6358786	7268979	1544804	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,26	up
6042719	7268979	1544799	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,24	up
6640986	7268979	1544788	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,23	up
6149601	7268979	1544783	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,23	up
6274881	7268979	1544785	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,22	up
6295460	7268979	1544814	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,21	up
6010162	7268979	1544828	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,20	down
6180955	7268979	1544799	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,20	down
6299375	7268979	1544828	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,20	down
5718443	7268979	1544784	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,20	down
5974084	7268979	1544823	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,19	up
6601562	7268979	1544798	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,18	up
6253007	7268979	1544796	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,18	up
5660396	7268979	1544806	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,18	down
6303595	7268979	1544808	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,17	down
5905763	7268979	1544780	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,16	down
6144174	7268979	1544809	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,15	up
6650441	7268979	1544802	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,15	down
5712911	7268979	1544826	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,15	down
6173865	7268979	1544811	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,14	up
5907539	7268979	1544786	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,14	down
6684796	7268979	1544780	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,14	down
6162332	7268979	1544800	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,13	down
5954810	7268979	1544781	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,12	up

5984321	7268979	1544790	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,10	down
6698809	7268979	1544825	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,09	up
6437447	7268979	1544801	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,09	down
5929983	7268979	1544795	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,09	down
5946971	7268979	1544821	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,08	up
6534834	7268979	1544792	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,08	down
6312455	7268979	1544794	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,08	down
6045398	7268979	1544827	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,07	up
6533747	7268979	1544815	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,06	down
6398997	7268979	1544814	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,06	down
5973537	7268979	1544824	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,06	down
5845924	7268979	1544797	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,06	down
6712759	7268979	1544782	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,05	up
5696351	7268979	1544826	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,05	down
5849884	7268979	1544818	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,04	up
6157646	7268979	1544813	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,04	up
6090330	7268979	1544819	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,03	up
6460567	7268979	1544814	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,03	down
5956043	7268979	1544812	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,03	up
6105397	7268979	1544820	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,02	down
6231912	7268979	1544817	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,02	down
6422213	7268979	1544789	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,01	up
6627210	7268979	1544816	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,01	up
5619182	7268979	1544778	calcium channel, voltage-dependent, L type, alpha 1C subunit	Cacna1c	24239	1,00	up
5971321	7236652	1464923	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	2,91	up
6476900	7236652	1464880	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,70	up
5628855	7236652	1464888	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,69	up
6442572	7236652	1464914	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,63	up
6624579	7236652	1464895	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,61	up
6554600	7236652	1464879	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,60	down
5805807	7236652	1464911	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,53	down
6393218	7236652	1464884	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,51	up
5653883	7236652	1464876	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,50	down
6498245	7236652	1464898	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,50	down
6547963	7236652	1464882	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,48	down
5856789	7236652	1464886	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,44	up
5803586	7236652	1464878	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,42	up
5709783	7236652	1464915	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,41	down
6071161	7236652	1464902	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,38	up
6700864	7236652	1464892	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,36	down
5681197	7236652	1464922	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,35	down
6680539	7236652	1464919	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,33	down
6567583	7236652	1464877	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,29	down
6073667	7236652	1464906	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,27	down
5699327	7236652	1464890	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,27	down
5919376	7236652	1464905	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,25	up
5685144	7236652	1464878	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,25	up
6330424	7236652	1464912	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,23	up
6724135	7236652	1464889	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,22	down
6452785	7236652	1464916	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,22	down
5705366	7236652	1464900	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,20	down
6370147	7236652	1464885	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,20	down
5693682	7236652	1464896	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,19	up
6716140	7236652	1464891	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,19	down
6723785	7236652	1464923	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	up
5953563	7236652	1464923	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	up
6648581	7236652	1464908	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,17	down

5690407	7236652	1464903	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,16	up
5895445	7236652	1464877	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,16	up
6515344	7236652	1464913	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,15	down
5652403	7236652	1464904	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,12	up
5978791	7236652	1464909	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,11	up
6378756	7236652	1464881	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,11	up
6504476	7236652	1464911	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,09	down
6337671	7236652	1464907	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,08	down
6634697	7236652	1464897	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,07	up
6230828	7236652	1464901	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,07	down
6195943	7236652	1464903	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,07	up
5719705	7236652	1464921	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,06	up
5998194	7236652	1464887	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,05	up
6047224	7236652	1464899	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,04	down
5845214	7236652	1464894	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,03	up
6680638	7236652	1464918	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,03	down
5693289	7236652	1464910	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	up
5784178	7236652	1464883	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	up
6552597	7236652	1464920	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	down
6326611	7236652	1464917	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	down
6146157	7236652	1464904	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,01	down
6098253	7236652	1464893	calcium channel, voltage-dependent, N type, alpha 1B subunit	Cacna1b	257648	1,00	down
6524052	7184073	1335828	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	2,48	up
6394527	7184073	1335829	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	2,15	up
5875411	7184073	1335819	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,75	down
5655079	7184073	1335808	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,72	up
6428418	7184073	1335847	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,69	down
5641130	7184073	1335829	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,63	up
5954008	7184073	1335830	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,62	up
6446961	7184073	1335839	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,56	up
6313279	7184073	1335805	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,53	down
5951927	7184073	1335836	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,51	up
6648801	7184073	1335838	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,51	up
6613515	7184073	1335821	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,50	down
6599668	7184073	1335823	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,49	down
6288265	7184073	1335802	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,48	up
6122731	7184073	1335825	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,44	up
5786596	7184073	1335827	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,38	down
6236315	7184073	1335831	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,36	up
5997470	7184073	1335800	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,33	up
6490812	7184073	1335806	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,33	up
6044788	7184073	1335809	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,29	down
6717827	7184073	1335847	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,29	down
5752722	7184073	1335804	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,27	up
6568025	7184073	1335818	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,26	down
6047036	7184073	1335807	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,26	up
6278342	7184073	1335829	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,25	up
6222953	7184073	1335810	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,24	down
5917492	7184073	1335837	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,21	down
6042459	7184073	1335835	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,21	down
6712741	7184073	1335822	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,21	up
5657636	7184073	1335826	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,18	up
5815761	7184073	1335824	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,15	down
6069593	7184073	1335840	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,14	up
5758821	7184073	1335816	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,13	down
5701554	7184073	1335814	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,13	up
5705904	7184073	1335812	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,12	up

5671867	7184073	1335813	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,11	down
6283078	7184073	1335844	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,11	up
6546340	7184073	1335843	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,09	up
6343605	7184073	1335846	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,09	down
6377217	7184073	1335817	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,09	down
6076291	7184073	1335845	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,08	down
6413385	7184073	1335843	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,07	down
6711943	7184073	1335847	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,06	up
6071216	7184073	1335820	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,06	down
5971097	7184073	1335803	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,05	down
6087574	7184073	1335842	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,05	down
6419824	7184073	1335815	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,04	up
6586604	7184073	1335834	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,03	up
5912039	7184073	1335801	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,03	down
5894920	7184073	1335833	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,02	up
6414787	7184073	1335832	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,02	up
6476174	7184073	1335841	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,01	down
6226449	7184073	1335811	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit	Cacna1a	25398	1,00	down
6279645	7112511	1158453	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	2,23	down
5713387	7112511	1158435	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,80	down
5716514	7112511	1158410	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,75	down
6623490	7112511	1158405	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,74	down
6680787	7112511	1158416	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,60	up
6426268	7112511	1158430	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,57	up
6612369	7112511	1158433	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,54	up
5810409	7112511	1158426	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,52	up
6556446	7112511	1158451	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,44	up
6730199	7112511	1158445	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,35	up
6415673	7112511	1158442	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,30	up
6687487	7112511	1158423	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,26	down
5829382	7112511	1158436	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,26	down
5692190	7112511	1158413	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,25	up
6591824	7112511	1158408	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,24	down
5955517	7112511	1158434	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,24	up
6086084	7112511	1158429	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,23	down
6366760	7112511	1158422	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,23	down
5850104	7112511	1158437	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,21	down
6557893	7112511	1158432	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,20	down
5896059	7112511	1158409	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,20	up
6313331	7112511	1158428	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,19	down
6461408	7112511	1158448	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,19	up
6389602	7112511	1158417	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,18	down
5917892	7112511	1158443	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,16	down
6640204	7112511	1158449	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,16	up
5895641	7112511	1158450	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,15	up
5856211	7112511	1158452	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,14	down
6641235	7112511	1158414	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,13	up
5755346	7112511	1158427	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,12	up
6599024	7112511	1158436	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	down
6621295	7112511	1158421	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	down
5725888	7112511	1158439	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,10	up
6588677	7112511	1158438	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,09	down
5798180	7112511	1158415	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,07	down
6489307	7112511	1158446	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	up
6559778	7112511	1158417	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	up
6591441	7112511	1158406	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,06	up
5778662	7112511	1158419	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,05	up

5676921	7112511	1158412	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,04	up
6004300	7112511	1158441	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,04	up
5729335	7112511	1158431	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,04	up
6570584	7112511	1158444	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,04	up
5633770	7112511	1158406	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,03	up
6119436	7112511	1158438	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,02	down
5772533	7112511	1158424	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,02	down
6089712	7112511	1158440	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,02	up
5821321	7112511	1158420	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	up
6066123	7112511	1158453	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	up
5721757	7112511	1158407	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	down
6114853	7112511	1158418	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,01	down
5695032	7112511	1158411	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,00	up
5959197	7112511	1158425	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,00	up
6429414	7112511	1158447	calcium channel, voltage-dependent, R type, alpha 1E subunit	Cacna1e	54234	1,00	down
5806314	7081722	1083232	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	2,05	down
6745010	7081722	1083252	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,80	down
6284105	7081722	1083257	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,67	down
6661966	7081722	1083233	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,59	up
6028457	7081722	1083251	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,57	down
5637925	7081722	1083252	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,57	down
6061037	7081722	1083239	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,55	up
6404857	7081722	1083226	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,50	up
6665000	7081722	1083231	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,49	down
6632218	7081722	1083248	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,47	up
6532792	7081722	1083259	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,45	up
5725259	7081722	1083229	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,43	down
6643904	7081722	1083252	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,39	down
5828880	7081722	1083229	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,33	down
5844991	7081722	1083241	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,33	up
6364162	7081722	1083236	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,32	up
5866318	7081722	1083230	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,30	down
5997497	7081722	1083252	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,29	down
5819741	7081722	1083250	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,25	down
6402725	7081722	1083228	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,20	up
5683715	7081722	1083246	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,20	down
6042980	7081722	1083237	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,15	down
6121770	7081722	1083252	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,15	up
5774311	7081722	1083242	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,14	up
5971305	7081722	1083258	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,14	up
6563976	7081722	1083244	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,13	down
6322224	7081722	1083225	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,11	down
6380409	7081722	1083235	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,11	up
5978946	7081722	1083245	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,10	down
6359912	7081722	1083243	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,09	down
5857958	7081722	1083256	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,08	down
6738489	7081722	1083234	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,08	up
6601769	7081722	1083247	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,08	down
6181262	7081722	1083254	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,07	up
6059214	7081722	1083253	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,06	up
5695895	7081722	1083227	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,04	up
5903436	7081722	1083259	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,04	down
6240238	7081722	1083252	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,03	up
5671228	7081722	1083240	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,03	down
6661155	7081722	1083249	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,01	up
6102018	7081722	1083255	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,01	up
5630099	7081722	1083224	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,00	up

6466805	7081722	1083238	calcium channel, voltage-dependent, T type, alpha 1G subunit	Cacna1g	29717	1,00	down
5715715	7161982	1280140	calcium modulating ligand	Cam1g	81715	2,19	up
6381457	7161982	1280139	calcium modulating ligand	Cam1g	81715	1,64	up
6124717	7161982	1280138	calcium modulating ligand	Cam1g	81715	1,63	down
6329172	7161982	1280137	calcium modulating ligand	Cam1g	81715	1,35	down
6047213	7161982	1280135	calcium modulating ligand	Cam1g	81715	1,19	down
6667933	7161982	1280136	calcium modulating ligand	Cam1g	81715	1,18	down
5722229	7115630	1166291	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	2,53	up
6523531	7115630	1166279	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,32	up
6115123	7115630	1166285	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,30	up
6670392	7115630	1166281	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,30	down
6640439	7115630	1166286	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,27	down
5868649	7115630	1166280	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,21	down
6341316	7115630	1166282	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,17	up
6435203	7115630	1166279	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,14	up
5826038	7115630	1166291	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,13	down
5705226	7115630	1166290	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,11	down
6718295	7115630	1166284	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,10	down
6386621	7115630	1166283	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,10	down
5705772	7115630	1166287	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,06	down
5702838	7115630	1166289	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,04	down
5855493	7115630	1166286	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,01	up
6335697	7115630	1166288	calcium/calmodulin-dependent protein kinase IG	Camk1g	171358	1,00	up
6315318	7093768	1112069	calcium-sensing receptor	Casr	24247	2,63	down
6630411	7093768	1112076	calcium-sensing receptor	Casr	24247	2,41	up
5689912	7093768	1112075	calcium-sensing receptor	Casr	24247	1,71	down
5693272	7093768	1112077	calcium-sensing receptor	Casr	24247	1,67	up
6222973	7093768	1112068	calcium-sensing receptor	Casr	24247	1,61	up
6352097	7093768	1112072	calcium-sensing receptor	Casr	24247	1,56	down
5718382	7093768	1112075	calcium-sensing receptor	Casr	24247	1,41	down
6361950	7093768	1112071	calcium-sensing receptor	Casr	24247	1,37	down
6648461	7093768	1112069	calcium-sensing receptor	Casr	24247	1,33	down
6407337	7093768	1112070	calcium-sensing receptor	Casr	24247	1,27	up
5727744	7093768	1112074	calcium-sensing receptor	Casr	24247	1,26	down
6248830	7093768	1112069	calcium-sensing receptor	Casr	24247	1,23	up
6432872	7093768	1112073	calcium-sensing receptor	Casr	24247	1,23	down
5999840	7093768	1112069	calcium-sensing receptor	Casr	24247	1,20	down
5704608	7093768	1112069	calcium-sensing receptor	Casr	24247	1,14	up
5828674	7093768	1112067	calcium-sensing receptor	Casr	24247	1,04	up
6399271	7030224	961124	calpain 12	Capn12	308476	1,88	down
6149612	7030224	961127	calpain 12	Capn12	308476	1,73	up
6715518	7030224	961123	calpain 12	Capn12	308476	1,64	up
5700808	7030224	961116	calpain 12	Capn12	308476	1,53	down
5982794	7030224	961132	calpain 12	Capn12	308476	1,38	up
5936246	7030224	961130	calpain 12	Capn12	308476	1,35	down
6713490	7030224	961119	calpain 12	Capn12	308476	1,29	down
6182845	7030224	961118	calpain 12	Capn12	308476	1,20	down
6433409	7030224	961121	calpain 12	Capn12	308476	1,18	up
6276141	7030224	961137	calpain 12	Capn12	308476	1,16	down
6170994	7030224	961122	calpain 12	Capn12	308476	1,14	down
6590890	7030224	961117	calpain 12	Capn12	308476	1,12	up
6131773	7030224	961126	calpain 12	Capn12	308476	1,10	down
6389467	7030224	961125	calpain 12	Capn12	308476	1,10	up
6448624	7030224	961128	calpain 12	Capn12	308476	1,09	up
6696508	7030224	961136	calpain 12	Capn12	308476	1,07	up
6483623	7030224	961131	calpain 12	Capn12	308476	1,06	up
6185175	7030224	961137	calpain 12	Capn12	308476	1,06	up

6308275	7030224	961129	calpain 12	Capn12	308476	1,05	up
5811704	7030224	961120	calpain 12	Capn12	308476	1,03	down
6409438	7030224	961124	calpain 12	Capn12	308476	1,02	up
6624414	7030224	961135	calpain 12	Capn12	308476	1,01	down
6013816	7295379	1609579	calpain 13	Capn13	362701	2,02	down
6512839	7295379	1609564	calpain 13	Capn13	362701	1,98	down
6576468	7295379	1609562	calpain 13	Capn13	362701	1,75	down
6429602	7295379	1609578	calpain 13	Capn13	362701	1,51	down
5705522	7295379	1609568	calpain 13	Capn13	362701	1,49	up
6152748	7295379	1609576	calpain 13	Capn13	362701	1,48	down
6028995	7295379	1609579	calpain 13	Capn13	362701	1,20	up
5812658	7295379	1609571	calpain 13	Capn13	362701	1,20	up
6482751	7295379	1609565	calpain 13	Capn13	362701	1,20	down
6060340	7295379	1609565	calpain 13	Capn13	362701	1,18	up
5927740	7295379	1609567	calpain 13	Capn13	362701	1,17	up
6157053	7295379	1609581	calpain 13	Capn13	362701	1,12	down
5817349	7295379	1609577	calpain 13	Capn13	362701	1,12	down
6424985	7295379	1609575	calpain 13	Capn13	362701	1,11	up
6454622	7295379	1609574	calpain 13	Capn13	362701	1,11	down
6001911	7295379	1609560	calpain 13	Capn13	362701	1,09	down
5699713	7295379	1609573	calpain 13	Capn13	362701	1,07	up
5658167	7295379	1609560	calpain 13	Capn13	362701	1,05	down
6313634	7295379	1609570	calpain 13	Capn13	362701	1,04	up
6657293	7295379	1609561	calpain 13	Capn13	362701	1,04	up
5871610	7295379	1609580	calpain 13	Capn13	362701	1,02	up
5807893	7295379	1609572	calpain 13	Capn13	362701	1,01	down
6451426	7295379	1609569	calpain 13	Capn13	362701	1,01	up
6028893	7295379	1609566	calpain 13	Capn13	362701	1,01	up
5779171	7295379	1609563	calpain 13	Capn13	362701	1,00	up
6421059	7108561	1148782	calpain 8	Capn8	170808	2,06	up
6380137	7108561	1148759	calpain 8	Capn8	170808	1,94	down
6185854	7108561	1148762	calpain 8	Capn8	170808	1,93	up
6498228	7108561	1148761	calpain 8	Capn8	170808	1,70	down
5777582	7108561	1148760	calpain 8	Capn8	170808	1,45	up
6577339	7108561	1148766	calpain 8	Capn8	170808	1,43	up
6107567	7108561	1148770	calpain 8	Capn8	170808	1,37	down
6311052	7108561	1148773	calpain 8	Capn8	170808	1,25	down
6690616	7108561	1148781	calpain 8	Capn8	170808	1,22	down
5821860	7108561	1148780	calpain 8	Capn8	170808	1,21	down
6611846	7108561	1148774	calpain 8	Capn8	170808	1,16	up
5691269	7108561	1148778	calpain 8	Capn8	170808	1,14	down
6253637	7108561	1148773	calpain 8	Capn8	170808	1,12	down
6330647	7108561	1148763	calpain 8	Capn8	170808	1,09	down
6173085	7108561	1148777	calpain 8	Capn8	170808	1,09	down
6077280	7108561	1148767	calpain 8	Capn8	170808	1,08	up
5683157	7108561	1148779	calpain 8	Capn8	170808	1,08	up
5621774	7108561	1148772	calpain 8	Capn8	170808	1,08	up
6727038	7108561	1148771	calpain 8	Capn8	170808	1,06	up
5809181	7108561	1148764	calpain 8	Capn8	170808	1,05	up
6424689	7108561	1148768	calpain 8	Capn8	170808	1,05	down
6594324	7108561	1148775	calpain 8	Capn8	170808	1,05	down
5827028	7108561	1148765	calpain 8	Capn8	170808	1,03	down
6646155	7108561	1148776	calpain 8	Capn8	170808	1,03	up
6056837	7108561	1148769	calpain 8	Capn8	170808	1,03	down
6604926	7183182	1333559	calpain, small subunit 2	Capns2	679870	1,79	up
6255479	7183182	1333559	calpain, small subunit 2	Capns2	679870	1,45	up
6473997	7183182	1333559	calpain, small subunit 2	Capns2	679870	1,33	down

6244327	7201367	1379080	calpastatin	Cast	25403	2,20	up
6466618	7201367	1379057	calpastatin	Cast	25403	1,35	up
5898357	7201367	1379071	calpastatin	Cast	25403	1,33	down
5699423	7201367	1379058	calpastatin	Cast	25403	1,29	up
5634381	7201367	1379068	calpastatin	Cast	25403	1,28	down
6612444	7201367	1379067	calpastatin	Cast	25403	1,25	down
6734340	7201367	1379073	calpastatin	Cast	25403	1,22	down
6552864	7201367	1379062	calpastatin	Cast	25403	1,21	up
6556178	7201367	1379052	calpastatin	Cast	25403	1,19	down
5684900	7201367	1379066	calpastatin	Cast	25403	1,17	down
5968385	7201367	1379070	calpastatin	Cast	25403	1,17	down
6309682	7201367	1379060	calpastatin	Cast	25403	1,16	up
6689634	7201367	1379078	calpastatin	Cast	25403	1,14	up
6693087	7201367	1379054	calpastatin	Cast	25403	1,13	down
5958328	7201367	1379063	calpastatin	Cast	25403	1,13	up
6740518	7201367	1379065	calpastatin	Cast	25403	1,12	down
6092907	7201367	1379077	calpastatin	Cast	25403	1,10	down
6157488	7201367	1379064	calpastatin	Cast	25403	1,10	down
6736870	7201367	1379075	calpastatin	Cast	25403	1,08	down
6688639	7201367	1379059	calpastatin	Cast	25403	1,08	up
6530842	7201367	1379069	calpastatin	Cast	25403	1,07	up
5803588	7201367	1379072	calpastatin	Cast	25403	1,05	down
6322518	7201367	1379053	calpastatin	Cast	25403	1,04	down
5947964	7201367	1379079	calpastatin	Cast	25403	1,04	down
6408832	7201367	1379061	calpastatin	Cast	25403	1,04	up
6015394	7201367	1379069	calpastatin	Cast	25403	1,03	down
5813544	7201367	1379074	calpastatin	Cast	25403	1,02	down
6006920	7201367	1379076	calpastatin	Cast	25403	1,02	up
6421264	7201367	1379056	calpastatin	Cast	25403	1,01	up
6426602	7201367	1379055	calpastatin	Cast	25403	1,01	down
6491160	7281577	1576870	calsyntenin 1	Clstn1	313717	1,68	up
6393192	7269429	1545836	calsyntenin 3	Clstn3	171393	2,39	up
6736096	7269429	1545849	calsyntenin 3	Clstn3	171393	1,92	up
5902617	7269429	1545853	calsyntenin 3	Clstn3	171393	1,69	up
6212332	7269429	1545852	calsyntenin 3	Clstn3	171393	1,52	down
6332725	7269429	1545847	calsyntenin 3	Clstn3	171393	1,41	down
6288369	7269429	1545850	calsyntenin 3	Clstn3	171393	1,40	down
6553081	7269429	1545842	calsyntenin 3	Clstn3	171393	1,28	up
6418037	7269429	1545841	calsyntenin 3	Clstn3	171393	1,28	up
6688361	7269429	1545844	calsyntenin 3	Clstn3	171393	1,28	up
6381819	7269429	1545840	calsyntenin 3	Clstn3	171393	1,25	down
6746118	7269429	1545848	calsyntenin 3	Clstn3	171393	1,19	down
6483912	7269429	1545843	calsyntenin 3	Clstn3	171393	1,18	down
6264882	7269429	1545838	calsyntenin 3	Clstn3	171393	1,17	up
5742766	7269429	1545851	calsyntenin 3	Clstn3	171393	1,15	down
6410135	7269429	1545837	calsyntenin 3	Clstn3	171393	1,07	up
6334186	7269429	1545846	calsyntenin 3	Clstn3	171393	1,07	up
6021758	7269429	1545845	calsyntenin 3	Clstn3	171393	1,01	up
6190396	7241772	1477818	cAMP responsive element binding protein 3-like 1	Creb311	362165	2,60	down
6651923	7241772	1477809	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,67	down
6037948	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,58	down
6086526	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,50	down
5835602	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,49	up
6196457	7241772	1477811	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,46	down
5987317	7241772	1477812	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,37	up
5977146	7241772	1477815	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,32	up
5857070	7241772	1477810	cAMP responsive element binding protein 3-like 1	Creb311	362165	1,31	up

6397480	7241772	1477819	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,28	up
5659807	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,23	down
6560900	7241772	1477820	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,18	up
5736059	7241772	1477813	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,16	up
6195086	7241772	1477818	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,16	up
5746565	7241772	1477817	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,15	up
6367335	7241772	1477814	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,13	up
6023393	7241772	1477811	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,12	down
6512211	7241772	1477815	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,06	up
6583990	7241772	1477808	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,02	down
6457349	7241772	1477816	cAMP responsive element binding protein 3-like 1	Creb3l1	362165	1,02	up
6604217	7312357	1652859	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	2,17	down
5814803	7312357	1652852	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,97	up
5942165	7312357	1652860	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,59	up
6412054	7312357	1652856	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,38	down
5800354	7312357	1652852	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,37	up
6114497	7312357	1652854	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,31	down
6085762	7312357	1652861	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,25	up
6117433	7312357	1652856	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,12	down
5977734	7312357	1652854	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,12	up
6531620	7312357	1652855	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,10	up
5869330	7312357	1652861	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,07	down
6011697	7312357	1652861	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,02	down
6393259	7312357	1652857	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,01	up
5666449	7312357	1652853	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,01	up
5854382	7312357	1652858	cAMP responsive element binding protein 3-like 3	Creb3l3	314638	1,00	up
6410390	7158671	1271975	cAMP responsive element modulator	Creb3l3	314638	1,00	up
5835847	7158671	1271973	cAMP responsive element modulator	Creb3l3	314638	1,00	up
5993934	7158671	1271972	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6708039	7158671	1271978	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6207883	7158671	1271973	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6639301	7158671	1271974	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6346919	7158671	1271976	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6484983	7158671	1271975	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6239081	7158671	1271979	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6655252	7158671	1271969	cAMP responsive element modulator	Creb3l3	314638	1,00	up
5845564	7158671	1271969	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6059094	7158671	1271977	cAMP responsive element modulator	Creb3l3	314638	1,00	up
5839777	7158671	1271970	cAMP responsive element modulator	Creb3l3	314638	1,00	up
5646701	7158671	1271968	cAMP responsive element modulator	Creb3l3	314638	1,00	up
6636921	7158671	1271971	cAMP responsive element modulator	Creb3l3	314638	1,00	up
5821555	7071950	1060858	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6587841	7071950	1060869	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6062057	7071950	1060868	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6703213	7071950	1060865	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
5801447	7071950	1060870	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6175018	7071950	1060863	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6746082	7071950	1060862	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6091172	7071950	1060858	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
5962067	7071950	1060868	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6612981	7071950	1060867	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
5752219	7071950	1060866	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6558324	7071950	1060864	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
5769226	7071950	1060859	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6615485	7071950	1060861	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6121228	7071950	1060860	cancer susceptibility candidate 3	Creb3l3	314638	1,00	up
6111874	7097583	1121277	CAP-GLY domain containing linker protein 2	Creb3l3	314638	1,00	up

6286601	7097583	1121291	CAP-GLY domain containing linker protein 2	Clip2	29264	1,64	up
5719818	7097583	1121293	CAP-GLY domain containing linker protein 2	Clip2	29264	1,61	up
6434897	7097583	1121278	CAP-GLY domain containing linker protein 2	Clip2	29264	1,61	down
6650221	7097583	1121293	CAP-GLY domain containing linker protein 2	Clip2	29264	1,59	down
6085004	7097583	1121276	CAP-GLY domain containing linker protein 2	Clip2	29264	1,44	down
6113692	7097583	1121276	CAP-GLY domain containing linker protein 2	Clip2	29264	1,43	down
6090408	7097583	1121281	CAP-GLY domain containing linker protein 2	Clip2	29264	1,42	up
6740098	7097583	1121279	CAP-GLY domain containing linker protein 2	Clip2	29264	1,39	up
6744022	7097583	1121290	CAP-GLY domain containing linker protein 2	Clip2	29264	1,31	up
6061511	7097583	1121283	CAP-GLY domain containing linker protein 2	Clip2	29264	1,30	down
6359631	7097583	1121280	CAP-GLY domain containing linker protein 2	Clip2	29264	1,29	up
5728799	7097583	1121287	CAP-GLY domain containing linker protein 2	Clip2	29264	1,29	up
6647884	7097583	1121292	CAP-GLY domain containing linker protein 2	Clip2	29264	1,28	up
5810051	7097583	1121293	CAP-GLY domain containing linker protein 2	Clip2	29264	1,27	up
5819758	7097583	1121293	CAP-GLY domain containing linker protein 2	Clip2	29264	1,16	down
6178695	7097583	1121276	CAP-GLY domain containing linker protein 2	Clip2	29264	1,16	up
5952520	7097583	1121285	CAP-GLY domain containing linker protein 2	Clip2	29264	1,14	down
6565201	7097583	1121286	CAP-GLY domain containing linker protein 2	Clip2	29264	1,11	down
6482283	7097583	1121288	CAP-GLY domain containing linker protein 2	Clip2	29264	1,10	up
6505610	7097583	1121282	CAP-GLY domain containing linker protein 2	Clip2	29264	1,09	down
5996675	7097583	1121289	CAP-GLY domain containing linker protein 2	Clip2	29264	1,06	down
6737148	7097583	1121284	CAP-GLY domain containing linker protein 2	Clip2	29264	1,00	up
5930324	7303767	1631871	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	2,50	down
6454218	7303767	1631871	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,78	up
5762196	7303767	1631881	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,51	down
6056152	7303767	1631872	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,51	down
6229361	7303767	1631882	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,42	up
5712358	7303767	1631870	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,41	up
6409292	7303767	1631878	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,36	down
6242359	7303767	1631869	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,23	down
6709606	7303767	1631876	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,16	down
6723957	7303767	1631879	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,13	up
6280972	7303767	1631874	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,12	down
6461476	7303767	1631873	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,08	down
6442869	7303767	1631880	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,06	up
6064448	7303767	1631869	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,04	down
5751129	7303767	1631875	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,01	up
6543156	7303767	1631877	CAP-GLY domain containing linker protein family, member 4	Clip4	298801	1,00	down
5868358	7303947	1632404	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	2,64	down
6712449	7303947	1632398	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,85	up
6059111	7303947	1632397	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,66	up
5793290	7303947	1632404	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,55	down
5737218	7303947	1632392	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,48	down
5846685	7303947	1632401	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,46	up
5783002	7303947	1632378	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,42	down
5699460	7303947	1632402	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,39	down
6529348	7303947	1632403	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,38	up
6319098	7303947	1632370	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,38	down
6034817	7303947	1632402	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,34	up
6326728	7303947	1632390	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,30	down
6225707	7303947	1632400	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,29	up
6174574	7303947	1632399	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,29	up
6746309	7303947	1632368	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,28	down
6170400	7303947	1632395	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,26	up
5644274	7303947	1632388	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,25	down
6657977	7303947	1632369	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,24	down
6687182	7303947	1632377	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,22	up

6657108	7303947	1632380	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,21	down
5768520	7303947	1632364	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,20	down
6455653	7303947	1632398	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,19	up
5671089	7303947	1632392	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,19	down
6056663	7303947	1632386	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,18	down
6154071	7303947	1632387	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,18	up
6248279	7303947	1632394	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,17	down
6430777	7303947	1632362	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,16	down
5939234	7303947	1632367	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,16	down
6549809	7303947	1632370	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,15	up
6457975	7303947	1632391	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,14	up
6609716	7303947	1632379	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,13	down
6321780	7303947	1632393	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,12	up
6000669	7303947	1632371	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,11	up
5620232	7303947	1632372	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,10	up
6074914	7303947	1632383	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,10	up
6544213	7303947	1632374	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,09	down
6004224	7303947	1632365	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,08	down
6445936	7303947	1632385	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,08	down
6379390	7303947	1632366	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,07	up
6590703	7303947	1632396	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,07	down
6052751	7303947	1632381	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,07	up
5854643	7303947	1632384	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,06	up
6315052	7303947	1632398	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,04	up
5638009	7303947	1632382	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,03	down
5961759	7303947	1632376	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,03	down
6591025	7303947	1632363	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,03	up
6247677	7303947	1632375	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,03	down
6219615	7303947	1632389	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,03	up
5932160	7303947	1632373	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,01	down
6703743	7303947	1632362	carbamoyl-phosphate synthetase 2, aspartate transcarbamylase, and dihydroorotase	Cad	24240	1,01	down
6427157	7361389	1772975	carbohydrate sulfotransferase 10	Chst10	140568	2,34	up
6013584	7361389	1772974	carbohydrate sulfotransferase 10	Chst10	140568	1,39	down
5938599	7361389	1772974	carbohydrate sulfotransferase 10	Chst10	140568	1,28	up
6741764	7361389	1772969	carbohydrate sulfotransferase 10	Chst10	140568	1,25	down
5966318	7361389	1772971	carbohydrate sulfotransferase 10	Chst10	140568	1,18	down
5724330	7361389	1772970	carbohydrate sulfotransferase 10	Chst10	140568	1,16	down
6706100	7361389	1772973	carbohydrate sulfotransferase 10	Chst10	140568	1,12	down
5865579	7361389	1772972	carbohydrate sulfotransferase 10	Chst10	140568	1,01	up
6381750	7361389	1772970	carbohydrate sulfotransferase 10	Chst10	140568	1,00	up
6523004	7031587	964138	carbonic anhydrase 11	Car11	308588	2,29	down
6640520	7031587	964135	carbonic anhydrase 11	Car11	308588	1,79	down
6413683	7031587	964137	carbonic anhydrase 11	Car11	308588	1,69	up
5857183	7031587	964132	carbonic anhydrase 11	Car11	308588	1,52	down
6429899	7031587	964139	carbonic anhydrase 11	Car11	308588	1,37	up
6481860	7031587	964139	carbonic anhydrase 11	Car11	308588	1,37	up
5659451	7031587	964136	carbonic anhydrase 11	Car11	308588	1,31	down
6619805	7031587	964134	carbonic anhydrase 11	Car11	308588	1,30	down
6715013	7031587	964131	carbonic anhydrase 11	Car11	308588	1,29	down
6691337	7031587	964133	carbonic anhydrase 11	Car11	308588	1,10	up
5741994	7031587	964139	carbonic anhydrase 11	Car11	308588	1,10	up
6638094	7031587	964138	carbonic anhydrase 11	Car11	308588	1,09	up
6340206	7031587	964131	carbonic anhydrase 11	Car11	308588	1,01	up
5634158	7237267	1466424	carboxyl ester lipase	Cel	24254	2,15	down
5912318	7237267	1466422	carboxyl ester lipase	Cel	24254	1,64	down
5891193	7237267	1466430	carboxyl ester lipase	Cel	24254	1,58	up
6550694	7237267	1466425	carboxyl ester lipase	Cel	24254	1,45	up

6015756	7237267	1466427	carboxyl ester lipase	Cel	24254	1,40	down
5763629	7237267	1466428	carboxyl ester lipase	Cel	24254	1,39	up
6230930	7237267	1466432	carboxyl ester lipase	Cel	24254	1,37	up
5996965	7237267	1466423	carboxyl ester lipase	Cel	24254	1,23	up
6552120	7237267	1466431	carboxyl ester lipase	Cel	24254	1,11	up
5945607	7237267	1466426	carboxyl ester lipase	Cel	24254	1,04	up
5999960	7237267	1466429	carboxyl ester lipase	Cel	24254	1,00	up
6545987	7179054	1322543	carboxylesterase 3	Ces3	113902	1,60	down
6221132	7179054	1322553	carboxylesterase 3	Ces3	113902	1,30	up
6125613	7179054	1322551	carboxylesterase 3	Ces3	113902	1,13	up
6067438	7179054	1322547	carboxylesterase 3	Ces3	113902	1,05	down
6205762	7179054	1322550	carboxylesterase 3	Ces3	113902	1,03	down
6269243	7179054	1322546	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		2,10	up
5713163	7179054	1322556	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,61	down
6227711	7179054	1322556	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,41	up
6323351	7179054	1322545	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,19	down
6241135	7179054	1322555	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,15	down
6635699	7179054	1322556	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,10	down
6552647	7179054	1322543	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,09	down
6622971	7179054	1322552	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,06	up
6170119	7179054	1322549	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,05	down
6248989	7179054	1322544	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,04	up
6586030	7179054	1322548	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,01	up
6261717	7179054	1322557	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,00	up
6404398	7179054	1322554	carboxylesterase 3 /// carboxylesterase-like	Ces3 /// LOC29186: 113902 /// 291863		1,00	up
6445818	7182297	1331356	carboxylesterase 6	Ces6	246252	3,07	down
6497884	7182297	1331353	carboxylesterase 6	Ces6	246252	1,72	down
6019803	7182297	1331359	carboxylesterase 6	Ces6	246252	1,48	up
6193461	7182297	1331358	carboxylesterase 6	Ces6	246252	1,45	up
6586696	7182297	1331362	carboxylesterase 6	Ces6	246252	1,42	down
6361798	7182297	1331352	carboxylesterase 6	Ces6	246252	1,34	up
6015046	7182297	1331363	carboxylesterase 6	Ces6	246252	1,17	down
5994236	7182297	1331360	carboxylesterase 6	Ces6	246252	1,16	up
5873818	7182297	1331361	carboxylesterase 6	Ces6	246252	1,12	up
6568577	7182297	1331355	carboxylesterase 6	Ces6	246252	1,11	up
6504335	7182297	1331354	carboxylesterase 6	Ces6	246252	1,09	up
6092302	7182297	1331357	carboxylesterase 6	Ces6	246252	1,07	down
6396797	7182297	1331356	carboxylesterase 6	Ces6	246252	1,07	up
6537450	7182297	1331351	carboxylesterase 6	Ces6	246252	1,03	down
5657425	7252144	1502791	carboxypeptidase A2 (pancreatic)	Cpa2	296959	2,36	up
6450197	7252144	1502789	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,46	up
5803732	7252144	1502785	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,43	down
6227447	7252144	1502788	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,43	down
6738402	7252144	1502786	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,14	up
6104630	7252144	1502784	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,08	down
6153437	7252144	1502783	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,07	up
6562629	7252144	1502782	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,03	up
6737676	7252144	1502787	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,02	down
5886247	7252144	1502781	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,01	up
6521424	7252144	1502790	carboxypeptidase A2 (pancreatic)	Cpa2	296959	1,01	up
6015251	7206843	1391421	carboxypeptidase B1 (tissue)	Cpb1	24271	2,31	up
6405871	7206843	1391415	carboxypeptidase B1 (tissue)	Cpb1	24271	1,52	down
5822020	7206843	1391417	carboxypeptidase B1 (tissue)	Cpb1	24271	1,42	down
6176302	7206843	1391420	carboxypeptidase B1 (tissue)	Cpb1	24271	1,36	down
6195139	7206843	1391418	carboxypeptidase B1 (tissue)	Cpb1	24271	1,32	up
5912238	7206843	1391423	carboxypeptidase B1 (tissue)	Cpb1	24271	1,28	down
6631099	7206843	1391417	carboxypeptidase B1 (tissue)	Cpb1	24271	1,20	up

5983836	7206843	1391424	carboxypeptidase B1 (tissue)	Cpb1	24271	1,08	up
6125125	7206843	1391419	carboxypeptidase B1 (tissue)	Cpb1	24271	1,06	down
6478011	7206843	1391416	carboxypeptidase B1 (tissue)	Cpb1	24271	1,04	up
6057334	7206843	1391422	carboxypeptidase B1 (tissue)	Cpb1	24271	1,04	down
6657316	7206843	1391415	carboxypeptidase B1 (tissue)	Cpb1	24271	1,04	down
6217652	7120108	1177677	carboxypeptidase Z	Cpz	83575	2,20	down
6301256	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,53	up
6201411	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,42	up
6535018	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,40	up
6430275	7120108	1177683	carboxypeptidase Z	Cpz	83575	1,37	up
6422826	7120108	1177684	carboxypeptidase Z	Cpz	83575	1,34	down
6408183	7120108	1177675	carboxypeptidase Z	Cpz	83575	1,33	up
6272468	7120108	1177681	carboxypeptidase Z	Cpz	83575	1,26	up
6585872	7120108	1177676	carboxypeptidase Z	Cpz	83575	1,17	up
6085836	7120108	1177678	carboxypeptidase Z	Cpz	83575	1,13	up
5838440	7120108	1177685	carboxypeptidase Z	Cpz	83575	1,10	down
6545268	7120108	1177686	carboxypeptidase Z	Cpz	83575	1,07	up
5727734	7120108	1177680	carboxypeptidase Z	Cpz	83575	1,05	down
6303809	7120108	1177679	carboxypeptidase Z	Cpz	83575	1,05	up
6661892	7120108	1177682	carboxypeptidase Z	Cpz	83575	1,03	up
6571576	7235794	1462880	Cas scaffolding protein family member 4	Cass4	296409	1,45	down
5952573	7235794	1462880	Cas scaffolding protein family member 4	Cass4	296409	1,18	down
6344161	7085242	1091086	casein kinase 1, delta	Csnk1d	64462	2,72	down
6651404	7085242	1091083	casein kinase 1, delta	Csnk1d	64462	1,36	down
5662438	7085242	1091081	casein kinase 1, delta	Csnk1d	64462	1,30	up
6365567	7085242	1091085	casein kinase 1, delta	Csnk1d	64462	1,25	down
5871081	7085242	1091083	casein kinase 1, delta	Csnk1d	64462	1,16	up
6461041	7085242	1091089	casein kinase 1, delta	Csnk1d	64462	1,13	up
5934835	7085242	1091088	casein kinase 1, delta	Csnk1d	64462	1,13	down
6437954	7085242	1091080	casein kinase 1, delta	Csnk1d	64462	1,12	up
6035010	7085242	1091082	casein kinase 1, delta	Csnk1d	64462	1,12	up
5925395	7085242	1091080	casein kinase 1, delta	Csnk1d	64462	1,08	up
5848052	7085242	1091087	casein kinase 1, delta	Csnk1d	64462	1,07	down
5730025	7085242	1091083	casein kinase 1, delta	Csnk1d	64462	1,06	down
5690636	7085242	1091084	casein kinase 1, delta	Csnk1d	64462	1,06	down
5882014	7329802	1694912	casein kinase 1, epsilon	Csnk1e	58822	2,18	up
6676515	7329802	1694920	casein kinase 1, epsilon	Csnk1e	58822	1,91	up
6647286	7329802	1694911	casein kinase 1, epsilon	Csnk1e	58822	1,58	down
5664926	7329802	1694912	casein kinase 1, epsilon	Csnk1e	58822	1,46	down
5791862	7329802	1694922	casein kinase 1, epsilon	Csnk1e	58822	1,37	up
6133141	7329802	1694918	casein kinase 1, epsilon	Csnk1e	58822	1,26	up
5865341	7329802	1694919	casein kinase 1, epsilon	Csnk1e	58822	1,13	up
5681743	7329802	1694910	casein kinase 1, epsilon	Csnk1e	58822	1,10	down
5860665	7329802	1694917	casein kinase 1, epsilon	Csnk1e	58822	1,09	down
5886737	7329802	1694921	casein kinase 1, epsilon	Csnk1e	58822	1,09	down
5900641	7329802	1694913	casein kinase 1, epsilon	Csnk1e	58822	1,08	up
6686192	7329802	1694914	casein kinase 1, epsilon	Csnk1e	58822	1,08	down
6523876	7332570	1701732	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	3,04	down
6490637	7332570	1701734	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	2,51	up
5939936	7332570	1701737	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	2,49	down
6665227	7332570	1701735	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	2,17	up
5994357	7332570	1701731	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,94	down
6515331	7332570	1701733	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,33	up
6202145	7332570	1701732	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,32	up
6210375	7332570	1701736	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,10	down
6586119	7332570	1701732	caspase 4, apoptosis-related cysteine peptidase	Casp4	114555	1,03	down
6726216	7199147	1373648	caspase 6	Casp6	83584	2,21	down

5953251	7199147	1373649	caspase 6	Casp6	83584	2,18	down
5910902	7199147	1373652	caspase 6	Casp6	83584	1,79	up
6618446	7199147	1373654	caspase 6	Casp6	83584	1,57	up
6697501	7199147	1373653	caspase 6	Casp6	83584	1,17	down
6087012	7199147	1373647	caspase 6	Casp6	83584	1,13	up
6191298	7199147	1373651	caspase 6	Casp6	83584	1,11	down
5654160	7199147	1373650	caspase 6	Casp6	83584	1,10	up
6683467	7199147	1373655	caspase 6	Casp6	83584	1,08	down
6424125	7043433	993764	caspase 7	Casp7	64026	2,56	up
6714667	7043433	993770	caspase 7	Casp7	64026	1,73	up
6187764	7043433	993767	caspase 7	Casp7	64026	1,42	down
6082516	7043433	993768	caspase 7	Casp7	64026	1,31	down
6092199	7043433	993766	caspase 7	Casp7	64026	1,23	up
6582450	7043433	993769	caspase 7	Casp7	64026	1,13	down
6251544	7043433	993769	caspase 7	Casp7	64026	1,10	down
6169655	7043433	993765	caspase 7	Casp7	64026	1,01	up
5725038	7236978	1465688	caspase recruitment domain family, member 9	Card9	64171	2,07	up
6213740	7236978	1465680	caspase recruitment domain family, member 9	Card9	64171	1,90	down
6297476	7236978	1465682	caspase recruitment domain family, member 9	Card9	64171	1,51	down
6677927	7236978	1465683	caspase recruitment domain family, member 9	Card9	64171	1,43	down
6503723	7236978	1465684	caspase recruitment domain family, member 9	Card9	64171	1,42	up
6370019	7236978	1465679	caspase recruitment domain family, member 9	Card9	64171	1,42	up
6681088	7236978	1465677	caspase recruitment domain family, member 9	Card9	64171	1,37	up
5914859	7236978	1465678	caspase recruitment domain family, member 9	Card9	64171	1,36	up
5953922	7236978	1465687	caspase recruitment domain family, member 9	Card9	64171	1,23	down
6719506	7236978	1465686	caspase recruitment domain family, member 9	Card9	64171	1,19	down
6439526	7236978	1465681	caspase recruitment domain family, member 9	Card9	64171	1,15	down
6539341	7236978	1465689	caspase recruitment domain family, member 9	Card9	64171	1,11	down
6738144	7236978	1465685	caspase recruitment domain family, member 9	Card9	64171	1,08	down
5648727	7281575	1576848	catenin, beta-interacting protein 1	Ctnnbip1	503000	2,09	up
6518414	7281575	1576852	catenin, beta-interacting protein 1	Ctnnbip1	503000	1,54	down
6473338	7281575	1576853	catenin, beta-interacting protein 1	Ctnnbip1	503000	1,30	up
6672467	7281575	1576852	catenin, beta-interacting protein 1	Ctnnbip1	503000	1,27	down
6474225	7281575	1576843	catenin, beta-interacting protein 1	Ctnnbip1	503000	1,09	down
6604862	7281575	1576847	catenin, beta-interacting protein 1	Ctnnbip1	503000	1,09	up
6529914	7154893	1262916	cathepsin M	Ctsm	306720	2,37	up
5661375	7154893	1262913	cathepsin M	Ctsm	306720	1,58	up
6076258	7154893	1262916	cathepsin M	Ctsm	306720	1,53	up
5887303	7154893	1262912	cathepsin M	Ctsm	306720	1,23	down
6249784	7154893	1262914	cathepsin M	Ctsm	306720	1,14	down
5903714	7154893	1262917	cathepsin M	Ctsm	306720	1,12	down
5663062	7154893	1262911	cathepsin M	Ctsm	306720	1,09	up
6393715	7154893	1262915	cathepsin M	Ctsm	306720	1,08	down
6681692	7154893	1262914	cathepsin M	Ctsm	306720	1,02	down
5778840	7030644	962024	CCAAT/enhancer binding protein (C/EBP), alpha	Cebpa	24252	2,10	up
6405119	7030644	962024	CCAAT/enhancer binding protein (C/EBP), alpha	Cebpa	24252	1,37	down
5881589	7030644	962024	CCAAT/enhancer binding protein (C/EBP), alpha	Cebpa	24252	1,24	down
6644767	7030644	962024	CCAAT/enhancer binding protein (C/EBP), alpha	Cebpa	24252	1,08	up
5754181	7030644	962024	CCAAT/enhancer binding protein (C/EBP), alpha	Cebpa	24252	1,02	up
5963859	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	4,29	down
6335379	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	4,19	down
6669084	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	1,43	up
5879125	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	1,35	up
6466575	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	1,34	down
6397806	7235544	1462206	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	1,29	up
6417368	7235544	1462206	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	1,28	up
5754940	7235544	1462205	CCAAT/enhancer binding protein (C/EBP), beta	Cebpb	24253	1,16	up

6173680	7146000	1240654	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,63	down
6638092	7146000	1240656	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,60	down
6217748	7146000	1240657	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,33	down
5809758	7146000	1240662	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,25	up
5864464	7146000	1240659	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,16	up
5685239	7146000	1240660	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,13	up
6018555	7146000	1240658	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,07	down
6061757	7146000	1240663	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,05	up
5677022	7146000	1240663	CCR4-NOT transcription complex, subunit 7	Cnot7	306492	1,01	up
6098877	7057462	1025859	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,22	down
6358034	7057462	1025862	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,19	down
6510277	7057462	1025859	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,16	down
6470358	7057462	1025861	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,09	down
6179702	7057462	1025860	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,08	down
5886232	7057462	1025859	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,07	down
6703685	7057462	1025862	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,04	up
6344968	7057462	1025859	Cd2 (cytoplasmic tail) binding protein 2	Cd2bp2	293505	1,03	down
6368857	7219866	1422723	CD24 molecule	Cd24	25145	2,28	up
5926988	7219866	1422723	CD24 molecule	Cd24	25145	1,85	up
6536829	7219866	1422723	CD24 molecule	Cd24	25145	1,71	up
6301198	7219866	1422722	CD24 molecule	Cd24	25145	1,44	up
5977262	7219866	1422722	CD24 molecule	Cd24	25145	1,30	up
5698119	7219866	1422723	CD24 molecule	Cd24	25145	1,20	up
6049760	7219866	1422723	CD24 molecule	Cd24	25145	1,06	down
6564111	7219866	1422723	CD24 molecule	Cd24	25145	1,05	down
6060582	7219866	1422723	CD24 molecule	Cd24	25145	1,05	down
5821697	7219866	1422723	CD24 molecule	Cd24	25145	1,04	up
5730469	7219866	1422723	CD24 molecule	Cd24	25145	1,03	down
6580811	7041061	988084	CD274 molecule	Cd274	499342	1,18	up
6636214	7352385	1750837	CD2-associated protein	Cd2ap	316258	2,85	down
6705493	7352385	1750845	CD2-associated protein	Cd2ap	316258	2,30	down
6708867	7352385	1750850	CD2-associated protein	Cd2ap	316258	1,72	down
5656646	7352385	1750842	CD2-associated protein	Cd2ap	316258	1,64	up
6370391	7352385	1750841	CD2-associated protein	Cd2ap	316258	1,37	down
6345775	7352385	1750843	CD2-associated protein	Cd2ap	316258	1,34	down
6493587	7352385	1750836	CD2-associated protein	Cd2ap	316258	1,23	up
6335356	7352385	1750851	CD2-associated protein	Cd2ap	316258	1,19	up
5665451	7352385	1750846	CD2-associated protein	Cd2ap	316258	1,17	down
6416491	7352385	1750845	CD2-associated protein	Cd2ap	316258	1,15	up
5765192	7352385	1750838	CD2-associated protein	Cd2ap	316258	1,14	up
6263845	7352385	1750848	CD2-associated protein	Cd2ap	316258	1,10	down
6155798	7352385	1750849	CD2-associated protein	Cd2ap	316258	1,06	up
6007297	7352385	1750844	CD2-associated protein	Cd2ap	316258	1,04	up
6297695	7352385	1750840	CD2-associated protein	Cd2ap	316258	1,04	down
6444313	7352385	1750839	CD2-associated protein	Cd2ap	316258	1,03	down
5700594	7352385	1750835	CD2-associated protein	Cd2ap	316258	1,02	down
5762192	7352385	1750847	CD2-associated protein	Cd2ap	316258	1,01	up
6657488	7352385	1750839	CD2-associated protein	Cd2ap	316258	1,01	down
5977076	7352385	1750847	CD2-associated protein	Cd2ap	316258	1,00	up
6100015	7235393	1461710	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	3,45	up
6074592	7235393	1461708	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	2,88	up
6041326	7235393	1461705	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,90	down
5874545	7235393	1461709	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,74	up
5948637	7235393	1461716	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,72	up
6071858	7235393	1461717	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,45	down
6715883	7235393	1461707	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,38	up
6100046	7235393	1461719	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,35	up

5767989	7235393	1461715	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,09	down
6623152	7235393	1461719	CD40 molecule, TNF receptor superfamily member 5	Cd40	171369	1,08	down
6115320	7242411	1479243	Cd44 molecule	Cd44	25406	5,60	down
6533970	7242411	1479240	Cd44 molecule	Cd44	25406	4,13	down
6489714	7242411	1479248	Cd44 molecule	Cd44	25406	3,86	up
6251718	7242411	1479239	Cd44 molecule	Cd44	25406	3,64	down
6308129	7242411	1479244	Cd44 molecule	Cd44	25406	3,64	down
5870718	7242411	1479242	Cd44 molecule	Cd44	25406	3,07	down
5872959	7242411	1479231	Cd44 molecule	Cd44	25406	2,73	up
5969176	7242411	1479241	Cd44 molecule	Cd44	25406	2,62	down
6338479	7242411	1479236	Cd44 molecule	Cd44	25406	2,51	down
6457865	7242411	1479241	Cd44 molecule	Cd44	25406	2,42	down
6244536	7242411	1479246	Cd44 molecule	Cd44	25406	2,38	up
5783798	7242411	1479249	Cd44 molecule	Cd44	25406	2,27	up
6434447	7242411	1479247	Cd44 molecule	Cd44	25406	2,13	up
6293760	7242411	1479245	Cd44 molecule	Cd44	25406	1,99	up
6729789	7242411	1479234	Cd44 molecule	Cd44	25406	1,96	up
6340517	7242411	1479232	Cd44 molecule	Cd44	25406	1,84	up
5994625	7242411	1479229	Cd44 molecule	Cd44	25406	1,56	up
5843073	7242411	1479235	Cd44 molecule	Cd44	25406	1,55	down
5825076	7242411	1479230	Cd44 molecule	Cd44	25406	1,48	up
6569321	7242411	1479233	Cd44 molecule	Cd44	25406	1,43	up
5890377	7242411	1479238	Cd44 molecule	Cd44	25406	1,24	down
6630737	7242411	1479237	Cd44 molecule	Cd44	25406	1,10	down
6257241	7060370	1032350	Cd6 molecule	Cd6	25752	2,03	down
5637267	7060370	1032353	Cd6 molecule	Cd6	25752	1,87	up
6688111	7060370	1032355	Cd6 molecule	Cd6	25752	1,80	up
6432331	7060370	1032348	Cd6 molecule	Cd6	25752	1,61	down
6678404	7060370	1032349	Cd6 molecule	Cd6	25752	1,53	down
6375248	7060370	1032359	Cd6 molecule	Cd6	25752	1,49	up
6003099	7060370	1032349	Cd6 molecule	Cd6	25752	1,43	up
6008772	7060370	1032347	Cd6 molecule	Cd6	25752	1,25	down
6690587	7060370	1032354	Cd6 molecule	Cd6	25752	1,24	up
5955312	7060370	1032348	Cd6 molecule	Cd6	25752	1,23	up
6208488	7060370	1032358	Cd6 molecule	Cd6	25752	1,17	down
6048896	7060370	1032351	Cd6 molecule	Cd6	25752	1,16	up
5968517	7060370	1032349	Cd6 molecule	Cd6	25752	1,13	down
6264059	7060370	1032352	Cd6 molecule	Cd6	25752	1,10	down
6456196	7060370	1032348	Cd6 molecule	Cd6	25752	1,06	down
6151274	7060370	1032356	Cd6 molecule	Cd6	25752	1,03	down
6075361	7060370	1032348	Cd6 molecule	Cd6	25752	1,03	down
6721818	7060370	1032357	Cd6 molecule	Cd6	25752	1,01	up
6329823	7270038	1547250	Cd69 molecule	Cd69	29187	6,16	down
5721404	7270038	1547246	Cd69 molecule	Cd69	29187	2,76	up
6181648	7270038	1547245	Cd69 molecule	Cd69	29187	2,46	down
6182521	7270038	1547247	Cd69 molecule	Cd69	29187	1,95	up
6258061	7270038	1547249	Cd69 molecule	Cd69	29187	1,73	up
5928284	7270038	1547248	Cd69 molecule	Cd69	29187	1,66	up
6007764	7170979	1302167	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	2,46	down
6255822	7170979	1302166	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,49	up
6183597	7170979	1302161	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,32	down
6578400	7170979	1302163	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,27	up
5727419	7170979	1302160	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,27	up
5954234	7170979	1302162	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,13	up
5995166	7170979	1302164	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,06	down
6086666	7170979	1302165	Cd74 molecule, major histocompatibility complex, class II invariant chain	Cd74	25599	1,00	up
6555737	7241972	1478250	Cd82 molecule	Cd82	83628	3,02	down

6569483	7241972	1478260	Cd82 molecule	Cd82	83628	1,75	down
6031210	7241972	1478259	Cd82 molecule	Cd82	83628	1,49	down
5987939	7241972	1478250	Cd82 molecule	Cd82	83628	1,40	up
6715340	7241972	1478258	Cd82 molecule	Cd82	83628	1,38	down
6333416	7241972	1478251	Cd82 molecule	Cd82	83628	1,34	up
6305710	7241972	1478255	Cd82 molecule	Cd82	83628	1,19	up
5840543	7241972	1478254	Cd82 molecule	Cd82	83628	1,14	up
5941347	7241972	1478250	Cd82 molecule	Cd82	83628	1,12	down
6474668	7241972	1478253	Cd82 molecule	Cd82	83628	1,12	up
6079009	7241972	1478257	Cd82 molecule	Cd82	83628	1,05	up
5658912	7241972	1478252	Cd82 molecule	Cd82	83628	1,03	up
6446012	7241972	1478256	Cd82 molecule	Cd82	83628	1,02	down
5722922	7246271	1488548	CD93 molecule	Cd93	84398	2,01	down
5708697	7246271	1488549	CD93 molecule	Cd93	84398	1,90	down
5784046	7246271	1488548	CD93 molecule	Cd93	84398	1,40	up
5860112	7246271	1488549	CD93 molecule	Cd93	84398	1,26	up
5713096	7246271	1488549	CD93 molecule	Cd93	84398	1,22	down
6220905	7246271	1488550	CD93 molecule	Cd93	84398	1,22	down
6586189	7246271	1488549	CD93 molecule	Cd93	84398	1,20	down
6417533	7246271	1488551	CD93 molecule	Cd93	84398	1,19	down
6147084	7246271	1488550	CD93 molecule	Cd93	84398	1,19	up
5726645	7246271	1488551	CD93 molecule	Cd93	84398	1,18	down
6608550	7246271	1488551	CD93 molecule	Cd93	84398	1,16	up
5964238	7246271	1488549	CD93 molecule	Cd93	84398	1,15	up
6226700	7246271	1488549	CD93 molecule	Cd93	84398	1,13	up
6418970	7246271	1488551	CD93 molecule	Cd93	84398	1,11	down
6414871	7246271	1488549	CD93 molecule	Cd93	84398	1,10	up
5746965	7246271	1488549	CD93 molecule	Cd93	84398	1,09	up
5711996	7246271	1488549	CD93 molecule	Cd93	84398	1,09	up
5627673	7246271	1488549	CD93 molecule	Cd93	84398	1,01	up
5820050	7246271	1488551	CD93 molecule	Cd93	84398	1,01	up
5847294	7246271	1488549	CD93 molecule	Cd93	84398	1,01	up
6392810	7130030	1201366	CD99 molecule-like 2	Cd99I2	171485	2,07	up
5626649	7130030	1201375	CD99 molecule-like 2	Cd99I2	171485	1,61	up
6685531	7130030	1201368	CD99 molecule-like 2	Cd99I2	171485	1,52	up
5694162	7130030	1201375	CD99 molecule-like 2	Cd99I2	171485	1,37	down
5856555	7130030	1201369	CD99 molecule-like 2	Cd99I2	171485	1,36	down
5646994	7130030	1201366	CD99 molecule-like 2	Cd99I2	171485	1,32	down
5700926	7130030	1201373	CD99 molecule-like 2	Cd99I2	171485	1,29	down
5622778	7130030	1201374	CD99 molecule-like 2	Cd99I2	171485	1,29	down
6411526	7130030	1201371	CD99 molecule-like 2	Cd99I2	171485	1,18	down
6392019	7130030	1201372	CD99 molecule-like 2	Cd99I2	171485	1,16	up
6563734	7130030	1201370	CD99 molecule-like 2	Cd99I2	171485	1,11	down
6136481	7130030	1201376	CD99 molecule-like 2	Cd99I2	171485	1,05	down
6712414	7067386	1049554	CDC like kinase 4	Clk4	287269	2,66	down
5820483	7067386	1049552	CDC like kinase 4	Clk4	287269	1,52	down
6131595	7067386	1049548	CDC like kinase 4	Clk4	287269	1,42	down
5645327	7067386	1049553	CDC like kinase 4	Clk4	287269	1,39	down
6729393	7067386	1049546	CDC like kinase 4	Clk4	287269	1,31	up
5815330	7067386	1049547	CDC like kinase 4	Clk4	287269	1,18	up
5741253	7067386	1049555	CDC like kinase 4	Clk4	287269	1,16	up
5640069	7067386	1049551	CDC like kinase 4	Clk4	287269	1,15	down
6571036	7067386	1049549	CDC like kinase 4	Clk4	287269	1,06	up
6191483	7067386	1049550	CDC like kinase 4	Clk4	287269	1,01	down
5807687	7067386	1049545	CDC like kinase 4	Clk4	287269	1,01	down
6606007	7067386	1049546	CDC like kinase 4	Clk4	287269	1,01	up
5937801	7154655	1262341	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	2,06	down

6294530	7154655	1262326	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,73	down
6051637	7154655	1262328	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,72	down
5629160	7154655	1262320	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,71	down
6253860	7154655	1262331	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,55	up
6660678	7154655	1262322	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,52	down
5878563	7154655	1262340	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,43	up
6397485	7154655	1262327	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,42	down
6189491	7154655	1262330	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,39	down
5989006	7154655	1262318	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,18	up
5992158	7154655	1262337	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,18	up
5785266	7154655	1262329	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,18	down
6269429	7154655	1262325	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,15	down
6245678	7154655	1262341	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,12	down
6733220	7154655	1262342	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,10	down
6074831	7154655	1262321	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,09	down
6047933	7154655	1262341	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,04	up
5790726	7154655	1262332	CDC14 cell division cycle 14 homolog B (S. cerevisiae)	Cdc14b	361195	1,00	up
6564751	7162389	1281188	CDC28 protein kinase regulatory subunit 2	Cks2	498709	1,45	up
6021325	7162389	1281185	CDC28 protein kinase regulatory subunit 2	Cks2	498709	1,33	up
5885875	7162389	1281186	CDC28 protein kinase regulatory subunit 2	Cks2	498709	1,14	down
5829019	7039280	983768	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	2,96	up
5948180	7039280	983743	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,81	down
6549175	7039280	983768	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,80	up
6089419	7039280	983753	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,65	up
6374959	7039280	983741	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,65	up
6329879	7039280	983766	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,60	up
5787915	7039280	983737	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,53	down
5969066	7039280	983761	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,46	down
6254010	7039280	983750	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,39	down
5831241	7039280	983763	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,37	up
6351505	7039280	983742	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,29	down
5815262	7039280	983758	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,28	up
6745141	7039280	983756	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,26	down
6317154	7039280	983740	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,23	down
6401851	7039280	983747	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,23	down
5711897	7039280	983755	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,21	up
6096993	7039280	983762	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,20	up
6638551	7039280	983749	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,20	up
6495906	7039280	983745	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,20	up
6009743	7039280	983766	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,19	up
6138429	7039280	983738	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,18	down
5993489	7039280	983748	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,17	down
6221010	7039280	983736	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,17	down
5802703	7039280	983739	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,16	down
6139570	7039280	983751	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,16	up
6666541	7039280	983734	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,16	down
5886767	7039280	983733	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,15	up
6249409	7039280	983741	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,14	up
6533769	7039280	983735	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,09	down
5997908	7039280	983760	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,09	up
6067325	7039280	983744	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,08	down
6287494	7039280	983759	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,07	up
6647482	7039280	983731	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,06	up
6508494	7039280	983746	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,03	down
6640118	7039280	983752	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,02	down
6283891	7039280	983764	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,02	up
6466093	7039280	983732	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,00	up

6471148	7039280	983757	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,00	up
6479918	7039280	983765	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,00	up
6096711	7039280	983754	CDC42 binding protein kinase gamma (DMPK-like)	Cdc42bpg	293693	1,00	up
6364348	7088432	1099410	Cdc42 GTPase-activating protein	Cdgap	288093	2,01	up
6713367	7088432	1099420	Cdc42 GTPase-activating protein	Cdgap	288093	1,83	up
6501366	7088432	1099412	Cdc42 GTPase-activating protein	Cdgap	288093	1,41	up
5930998	7088432	1099416	Cdc42 GTPase-activating protein	Cdgap	288093	1,39	up
6555271	7088432	1099408	Cdc42 GTPase-activating protein	Cdgap	288093	1,35	up
6348291	7088432	1099421	Cdc42 GTPase-activating protein	Cdgap	288093	1,30	up
6610556	7088432	1099421	Cdc42 GTPase-activating protein	Cdgap	288093	1,30	down
6072112	7088432	1099411	Cdc42 GTPase-activating protein	Cdgap	288093	1,28	down
6387679	7088432	1099409	Cdc42 GTPase-activating protein	Cdgap	288093	1,27	down
6579125	7088432	1099413	Cdc42 GTPase-activating protein	Cdgap	288093	1,18	down
5924849	7088432	1099421	Cdc42 GTPase-activating protein	Cdgap	288093	1,16	up
5699487	7088432	1099419	Cdc42 GTPase-activating protein	Cdgap	288093	1,07	down
6453569	7088432	1099418	Cdc42 GTPase-activating protein	Cdgap	288093	1,05	down
6220873	7088432	1099393	Cdc42 GTPase-activating protein	Cdgap	288093	1,03	down
6642150	7038971	982985	CDK2-associated protein 2	Cdk2ap2	688405	1,69	up
6161655	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,69	down
6009763	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,35	down
5797860	7038971	982984	CDK2-associated protein 2	Cdk2ap2	688405	1,26	up
6432674	7038971	982985	CDK2-associated protein 2	Cdk2ap2	688405	1,21	up
5664555	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,14	up
6205198	7038971	982983	CDK2-associated protein 2	Cdk2ap2	688405	1,11	up
6495626	7038971	982985	CDK2-associated protein 2	Cdk2ap2	688405	1,04	up
5706644	7226277	1437991	CDKN1A interacting zinc finger protein 1	Ciz1	296639	2,17	up
5939052	7226277	1437975	CDKN1A interacting zinc finger protein 1	Ciz1	296639	2,06	down
5786115	7226277	1437984	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,92	up
5785975	7226277	1437985	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,87	up
6386848	7226277	1437993	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,65	up
6331620	7226277	1437992	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,63	up
5870077	7226277	1437976	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,45	down
6710285	7226277	1437976	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,32	down
6476327	7226277	1437989	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,30	up
6058166	7226277	1437983	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,30	down
5718357	7226277	1437984	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,29	down
6362841	7226277	1437994	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,28	up
5829923	7226277	1437977	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,28	up
6443531	7226277	1437985	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,27	up
6739657	7226277	1437986	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,26	up
5831766	7226277	1437984	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,24	down
6250542	7226277	1437990	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,20	up
6047873	7226277	1437993	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,14	down
6353511	7226277	1437984	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,12	up
5651595	7226277	1437982	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,11	up
5954936	7226277	1437976	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,10	down
5922991	7226277	1437992	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,10	down
6379125	7226277	1437985	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,09	down
6140382	7226277	1437979	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,07	down
6415582	7226277	1437975	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,06	down
6184068	7226277	1437982	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,06	down
5787535	7226277	1437978	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,03	down
6395130	7226277	1437988	CDKN1A interacting zinc finger protein 1	Ciz1	296639	1,03	up
6519329	7114274	1162820	cell adhesion molecule 3	Cadm3	360882	1,41	down
6112946	7114274	1162817	cell adhesion molecule 3	Cadm3	360882	1,37	down
6337392	7114274	1162821	cell adhesion molecule 3	Cadm3	360882	1,22	down
6521108	7114274	1162823	cell adhesion molecule 3	Cadm3	360882	1,21	up

6618885	7114274	1162814	cell adhesion molecule 3	Cadm3	360882	1,09	up
6392722	7114274	1162814	cell adhesion molecule 3	Cadm3	360882	1,08	up
6341762	7114274	1162815	cell adhesion molecule 3	Cadm3	360882	1,05	up
5980170	7114274	1162816	cell adhesion molecule 3	Cadm3	360882	1,05	up
6428993	7114274	1162822	cell adhesion molecule 3	Cadm3	360882	1,04	up
6497723	7114274	1162814	cell adhesion molecule 3	Cadm3	360882	1,02	up
6675929	7114274	1162814	cell adhesion molecule 3	Cadm3	360882	1,01	up
6315840	7337902	1714548	cell cycle progression 1	Ccp1	363098	2,01	up
6026388	7337902	1714541	cell cycle progression 1	Ccp1	363098	1,31	down
6540962	7337902	1714542	cell cycle progression 1	Ccp1	363098	1,25	down
6423415	7337902	1714547	cell cycle progression 1	Ccp1	363098	1,21	down
6005018	7337902	1714547	cell cycle progression 1	Ccp1	363098	1,19	up
5661789	7337902	1714538	cell cycle progression 1	Ccp1	363098	1,14	up
5658117	7337902	1714546	cell cycle progression 1	Ccp1	363098	1,07	down
5947683	7337902	1714548	cell cycle progression 1	Ccp1	363098	1,06	up
6257841	7337902	1714544	cell cycle progression 1	Ccp1	363098	1,06	down
6293362	7337902	1714545	cell cycle progression 1	Ccp1	363098	1,05	down
5986432	7337902	1714540	cell cycle progression 1	Ccp1	363098	1,03	down
6134552	7268451	1543631	cell death-inducing DFFA-like effector c	Cidec	500292	3,54	down
5673259	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	2,84	down
5699919	7268451	1543631	cell death-inducing DFFA-like effector c	Cidec	500292	2,08	down
6473618	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,76	up
5626572	7268451	1543629	cell death-inducing DFFA-like effector c	Cidec	500292	1,56	down
6269561	7268451	1543628	cell death-inducing DFFA-like effector c	Cidec	500292	1,48	up
5741754	7268451	1543627	cell death-inducing DFFA-like effector c	Cidec	500292	1,19	up
5816957	7268451	1543630	cell death-inducing DFFA-like effector c	Cidec	500292	1,17	up
6441468	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,10	up
5830448	7268451	1543626	cell death-inducing DFFA-like effector c	Cidec	500292	1,00	down
6356578	7292247	1601862	cell division cycle 42 (GTP binding protein)	Cdc42	64465	2,36	down
6564007	7292247	1601861	cell division cycle 42 (GTP binding protein)	Cdc42	64465	1,29	down
6404212	7292247	1601859	cell division cycle 42 (GTP binding protein)	Cdc42	64465	1,14	down
6266801	7292247	1601858	cell division cycle 42 (GTP binding protein)	Cdc42	64465	1,14	up
5845270	7292247	1601858	cell division cycle 42 (GTP binding protein)	Cdc42	64465	1,13	up
6197050	7292247	1601860	cell division cycle 42 (GTP binding protein)	Cdc42	64465	1,06	up
5636612	7292247	1601856	cell division cycle 42 (GTP binding protein)	Cdc42	64465	1,00	down
6084514	7295612	1610169	cell growth regulator with EF hand domain 1	Cgref1	245918	2,72	up
5701507	7295612	1610171	cell growth regulator with EF hand domain 1	Cgref1	245918	1,39	up
6438736	7295612	1610171	cell growth regulator with EF hand domain 1	Cgref1	245918	1,27	up
6015978	7295612	1610171	cell growth regulator with EF hand domain 1	Cgref1	245918	1,19	down
5919364	7295612	1610170	cell growth regulator with EF hand domain 1	Cgref1	245918	1,19	up
6535875	7295612	1610171	cell growth regulator with EF hand domain 1	Cgref1	245918	1,10	down
6243231	7295612	1610171	cell growth regulator with EF hand domain 1	Cgref1	245918	1,10	down
6513829	7295612	1610167	cell growth regulator with EF hand domain 1	Cgref1	245918	1,03	down
6002585	7295612	1610168	cell growth regulator with EF hand domain 1	Cgref1	245918	1,00	down
6160153	7117482	1170848	centromere protein C 1	Cenpc1	305270	2,53	up
6595813	7117482	1170853	centromere protein C 1	Cenpc1	305270	1,72	up
6015367	7117482	1170850	centromere protein C 1	Cenpc1	305270	1,52	up
6371409	7117482	1170851	centromere protein C 1	Cenpc1	305270	1,47	down
6514985	7117482	1170864	centromere protein C 1	Cenpc1	305270	1,44	down
5685139	7117482	1170860	centromere protein C 1	Cenpc1	305270	1,39	down
5904877	7117482	1170850	centromere protein C 1	Cenpc1	305270	1,26	down
5916973	7117482	1170862	centromere protein C 1	Cenpc1	305270	1,23	down
6243693	7117482	1170863	centromere protein C 1	Cenpc1	305270	1,23	up
5944313	7117482	1170846	centromere protein C 1	Cenpc1	305270	1,20	down
6559136	7117482	1170856	centromere protein C 1	Cenpc1	305270	1,19	up
6663871	7117482	1170854	centromere protein C 1	Cenpc1	305270	1,18	up
6238377	7117482	1170857	centromere protein C 1	Cenpc1	305270	1,18	down

5749654	7117482	1170852	centromere protein C 1	Cenpc1	305270	1,16	down
5992633	7117482	1170861	centromere protein C 1	Cenpc1	305270	1,15	up
5814590	7117482	1170855	centromere protein C 1	Cenpc1	305270	1,14	down
5795294	7117482	1170859	centromere protein C 1	Cenpc1	305270	1,10	up
6210545	7117482	1170847	centromere protein C 1	Cenpc1	305270	1,09	down
6201814	7117482	1170858	centromere protein C 1	Cenpc1	305270	1,08	up
6140640	7117482	1170849	centromere protein C 1	Cenpc1	305270	1,06	up
5944214	7184981	1337847	centromere protein T	Cenpt	307805	2,03	up
5801704	7184981	1337841	centromere protein T	Cenpt	307805	1,99	down
5620640	7184981	1337843	centromere protein T	Cenpt	307805	1,76	down
5768234	7184981	1337845	centromere protein T	Cenpt	307805	1,57	down
5802576	7184981	1337845	centromere protein T	Cenpt	307805	1,56	up
6739331	7184981	1337842	centromere protein T	Cenpt	307805	1,51	up
5965847	7184981	1337846	centromere protein T	Cenpt	307805	1,33	down
6545005	7184981	1337847	centromere protein T	Cenpt	307805	1,32	down
6371742	7184981	1337842	centromere protein T	Cenpt	307805	1,32	down
6596089	7184981	1337848	centromere protein T	Cenpt	307805	1,30	down
6575560	7184981	1337836	centromere protein T	Cenpt	307805	1,24	down
5915320	7184981	1337854	centromere protein T	Cenpt	307805	1,22	up
5896001	7184981	1337849	centromere protein T	Cenpt	307805	1,14	up
6476867	7184981	1337854	centromere protein T	Cenpt	307805	1,12	up
5892128	7184981	1337843	centromere protein T	Cenpt	307805	1,09	up
6733062	7184981	1337835	centromere protein T	Cenpt	307805	1,08	down
5810198	7184981	1337838	centromere protein T	Cenpt	307805	1,06	up
6288916	7184981	1337850	centromere protein T	Cenpt	307805	1,06	up
6649077	7244287	1484042	centrosomal protein 152	Cep152	311391	1,98	down
5893665	7244287	1484078	centrosomal protein 152	Cep152	311391	1,27	up
6149089	7234401	1459343	centrosomal protein 250kDa	Cep250	311573	2,40	up
6313021	7234401	1459338	centrosomal protein 250kDa	Cep250	311573	2,07	down
5665565	7234401	1459346	centrosomal protein 250kDa	Cep250	311573	1,73	down
6081220	7234401	1459342	centrosomal protein 250kDa	Cep250	311573	1,72	up
6554276	7234401	1459339	centrosomal protein 250kDa	Cep250	311573	1,70	down
6738305	7234401	1459350	centrosomal protein 250kDa	Cep250	311573	1,65	up
5970335	7234401	1459334	centrosomal protein 250kDa	Cep250	311573	1,57	down
6204732	7234401	1459349	centrosomal protein 250kDa	Cep250	311573	1,40	up
6479943	7234401	1459348	centrosomal protein 250kDa	Cep250	311573	1,33	up
6209228	7234401	1459344	centrosomal protein 250kDa	Cep250	311573	1,29	down
6562535	7234401	1459342	centrosomal protein 250kDa	Cep250	311573	1,25	up
6512483	7234401	1459340	centrosomal protein 250kDa	Cep250	311573	1,24	down
6059930	7234401	1459341	centrosomal protein 250kDa	Cep250	311573	1,21	down
6488501	7234401	1459350	centrosomal protein 250kDa	Cep250	311573	1,19	up
5963609	7234401	1459351	centrosomal protein 250kDa	Cep250	311573	1,17	down
6366570	7234401	1459335	centrosomal protein 250kDa	Cep250	311573	1,11	down
6361705	7234401	1459336	centrosomal protein 250kDa	Cep250	311573	1,10	up
5927113	7234401	1459347	centrosomal protein 250kDa	Cep250	311573	1,03	down
5763482	7234401	1459341	centrosomal protein 250kDa	Cep250	311573	1,01	up
6326506	7234401	1459345	centrosomal protein 250kDa	Cep250	311573	1,01	down
6510179	7134776	1212982	ceroid-lipofuscinosis, neuronal 5	Cln5	306128	1,30	down
5664963	7134776	1212975	ceroid-lipofuscinosis, neuronal 5	Cln5	306128	1,26	down
5648806	7134776	1212982	ceroid-lipofuscinosis, neuronal 5	Cln5	306128	1,24	up
5769395	7192307	1355987	ceruloplasmin	Cp	24268	8,52	down
6185896	7192307	1355999	ceruloplasmin	Cp	24268	4,50	down
6304110	7192307	1355984	ceruloplasmin	Cp	24268	3,46	down
5846700	7192307	1355988	ceruloplasmin	Cp	24268	2,62	down
6172181	7192307	1356001	ceruloplasmin	Cp	24268	2,29	up
6450013	7192307	1355993	ceruloplasmin	Cp	24268	2,05	down
5645095	7192307	1355994	ceruloplasmin	Cp	24268	2,02	up

6092076	7192307	1355991	ceruloplasmin	Cp	24268	1,93	down
6396813	7192307	1355990	ceruloplasmin	Cp	24268	1,79	up
6003440	7192307	1356002	ceruloplasmin	Cp	24268	1,74	down
6020185	7192307	1355987	ceruloplasmin	Cp	24268	1,71	down
6706339	7192307	1355995	ceruloplasmin	Cp	24268	1,64	up
6142453	7192307	1355994	ceruloplasmin	Cp	24268	1,60	up
6449929	7192307	1356000	ceruloplasmin	Cp	24268	1,59	up
6139601	7192307	1355986	ceruloplasmin	Cp	24268	1,49	up
6364812	7192307	1355997	ceruloplasmin	Cp	24268	1,46	down
6183835	7192307	1355988	ceruloplasmin	Cp	24268	1,31	up
6731921	7192307	1355985	ceruloplasmin	Cp	24268	1,29	down
5665881	7192307	1355989	ceruloplasmin	Cp	24268	1,22	up
6594105	7192307	1355996	ceruloplasmin	Cp	24268	1,06	down
5935112	7192307	1355992	ceruloplasmin	Cp	24268	1,04	up
6687074	7192307	1355998	ceruloplasmin	Cp	24268	1,01	up
6028710	7231595	1451702	ChaC, cation transport regulator homolog 1 (E. coli)	Chac1	362196	2,25	down
5995239	7231595	1451703	ChaC, cation transport regulator homolog 1 (E. coli)	Chac1	362196	1,55	up
5993107	7231595	1451704	ChaC, cation transport regulator homolog 1 (E. coli)	Chac1	362196	1,26	down
6100347	7231595	1451702	ChaC, cation transport regulator homolog 1 (E. coli)	Chac1	362196	1,07	up
5866904	7231595	1451704	ChaC, cation transport regulator homolog 1 (E. coli)	Chac1	362196	1,05	up
6733877	7231595	1451702	ChaC, cation transport regulator homolog 1 (E. coli)	Chac1	362196	1,03	down
5718176	7114652	1163900	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	3,11	up
6730844	7114652	1163894	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	2,84	up
6062805	7114652	1163900	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	2,36	up
5739178	7114652	1163896	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	2,21	down
6382956	7114652	1163900	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	2,01	up
6156369	7114652	1163889	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,99	down
5682179	7114652	1163891	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,80	down
6711066	7114652	1163892	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,73	down
5624532	7114652	1163897	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,46	down
6364123	7114652	1163888	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,44	up
5793551	7114652	1163890	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,35	down
6299297	7114652	1163886	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,34	up
6639753	7114652	1163899	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,34	up
5694510	7114652	1163887	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,30	down
5810342	7114652	1163895	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,28	up
5933290	7114652	1163893	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,21	down
5708547	7114652	1163886	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,19	up
5812855	7114652	1163898	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,14	down
6493975	7114652	1163887	chaperone, ABC1 activity of bc1 complex homolog (S. pombe)	Cabc1	360887	1,07	up
5877766	7196065	1365726	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	2,15	down
5735581	7196065	1365726	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,97	down
6035748	7196065	1365718	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,49	up
5785121	7196065	1365725	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,43	up
5919243	7196065	1365716	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,30	down
6284469	7196065	1365717	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,30	down
6553649	7196065	1365723	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,21	down
5617859	7196065	1365712	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,21	up
6491999	7196065	1365721	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,20	up
5841477	7196065	1365724	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,14	down
6741939	7196065	1365713	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,11	up
5783368	7196065	1365719	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,10	down
6641760	7196065	1365715	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,06	down
6365549	7196065	1365714	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,04	up
5953402	7196065	1365720	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,04	down
6409984	7196065	1365722	chaperonin containing Tcp1, subunit 3 (gamma)	Cct3	295230	1,03	up
6649368	7121804	1181611	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	2,42	down

6517242	7121804	1181612	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,46	down
6412230	7121804	1181625	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,41	down
6282521	7121804	1181620	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,34	up
6634038	7121804	1181618	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,32	up
6608058	7121804	1181623	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,30	up
5625419	7121804	1181615	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,25	up
6549333	7121804	1181617	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,13	up
6433577	7121804	1181613	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,12	up
5771185	7121804	1181616	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,11	down
6675835	7121804	1181621	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,07	up
6221891	7121804	1181622	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,07	up
6017788	7121804	1181624	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,05	down
5994266	7121804	1181619	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,01	up
5946385	7121804	1181614	chaperonin containing Tcp1, subunit 4 (delta)	Cct4	29374	1,00	up
6178415	7097827	1122038	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	2,58	down
5621886	7097827	1122045	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,68	up
6612118	7097827	1122048	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,62	up
6415816	7097827	1122035	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,43	down
6224006	7097827	1122039	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,25	up
6040583	7097827	1122047	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,22	up
5673748	7097827	1122042	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,19	up
6587386	7097827	1122036	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,17	up
6547141	7097827	1122044	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,17	down
6547754	7097827	1122046	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,11	down
6576646	7097827	1122040	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,06	down
6687845	7097827	1122041	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,06	down
5691465	7097827	1122043	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,03	up
5940992	7097827	1122037	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,02	down
6131463	7097827	1122048	chaperonin containing Tcp1, subunit 6A (zeta 1)	Cct6a	288620	1,01	down
5827720	7070338	1056985	chemokine (C-C motif) ligand 2	Ccl2	24770	15,74	down
6087932	7070338	1056989	chemokine (C-C motif) ligand 2	Ccl2	24770	4,27	down
5921871	7070338	1056987	chemokine (C-C motif) ligand 2	Ccl2	24770	2,60	up
5878091	7070338	1056988	chemokine (C-C motif) ligand 2	Ccl2	24770	1,91	up
6643693	7070338	1056988	chemokine (C-C motif) ligand 2	Ccl2	24770	1,20	down
5809474	7070338	1056986	chemokine (C-C motif) ligand 2	Ccl2	24770	1,12	up
6368153	7356847	1761781	chemokine (C-C motif) ligand 20	Ccl20	29538	5,95	down
6656884	7356847	1761781	chemokine (C-C motif) ligand 20	Ccl20	29538	3,69	down
6236483	7356847	1761782	chemokine (C-C motif) ligand 20	Ccl20	29538	2,66	up
6700626	7356847	1761783	chemokine (C-C motif) ligand 20	Ccl20	29538	2,06	up
5625408	7356847	1761784	chemokine (C-C motif) ligand 20	Ccl20	29538	2,05	up
5840029	7080732	1080987	chemokine (C-C motif) ligand 5	Ccl5	81780	4,12	down
6195065	7080732	1080985	chemokine (C-C motif) ligand 5	Ccl5	81780	3,37	up
6557841	7080732	1080985	chemokine (C-C motif) ligand 5	Ccl5	81780	2,06	down
6234530	7080732	1080986	chemokine (C-C motif) ligand 5	Ccl5	81780	1,94	down
5938690	7080732	1080984	chemokine (C-C motif) ligand 5	Ccl5	81780	1,23	up
6496023	7070340	1056991	chemokine (C-C motif) ligand 7	Ccl7	287561	3,35	down
6248689	7070340	1056993	chemokine (C-C motif) ligand 7	Ccl7	287561	2,42	up
6619848	7070340	1056992	chemokine (C-C motif) ligand 7	Ccl7	287561	2,16	down
6642560	7070340	1056994	chemokine (C-C motif) ligand 7	Ccl7	287561	1,61	up
5723149	7070340	1056992	chemokine (C-C motif) ligand 7	Ccl7	287561	1,38	up
5852359	7070340	1056994	chemokine (C-C motif) ligand 7	Ccl7	287561	1,23	down
6194316	7182777	1332706	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	2,91	up
6537078	7182777	1332706	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	2,27	down
6132125	7182777	1332706	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,57	down
6492261	7182777	1332707	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,50	up
6486637	7182777	1332705	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,22	down
6376132	7182777	1332708	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,14	down

5917576	7182777	1332706	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,05	up
5802966	7182777	1332706	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,04	up
5733309	7182777	1332706	chemokine (C-X3-C motif) ligand 1	Cx3cl1	89808	1,03	down
6689441	7123885	1186818	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	Cxcl1	81503	9,94	down
6188771	7123885	1186818	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	Cxcl1	81503	8,80	down
5773833	7123885	1186818	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	Cxcl1	81503	4,72	down
6294417	7123885	1186816	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	Cxcl1	81503	3,81	up
6460629	7123885	1186815	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	Cxcl1	81503	3,04	up
6162736	7123885	1186817	chemokine (C-X-C motif) ligand 1 (melanoma growth stimulating activity, alpha)	Cxcl1	81503	1,79	up
6284588	7116933	1169532	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	13,12	down
5701565	7116933	1169532	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	5,29	down
5780587	7116933	1169534	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,63	down
6433818	7116933	1169535	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,56	up
6325647	7116933	1169535	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,55	up
5631231	7116933	1169533	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,35	down
6531806	7116933	1169536	chemokine (C-X-C motif) ligand 10	Cxcl10	245920	1,33	down
5651799	7116931	1169530	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	4,10	down
5633763	7116931	1169527	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	1,52	up
6128487	7116931	1169528	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	1,43	up
6503672	7116931	1169529	chemokine (C-X-C motif) ligand 11	Cxcl11	305236	1,00	down
5689139	7079368	1078074	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	2,71	down
6390188	7079368	1078071	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,26	down
5899586	7079368	1078073	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,13	up
6588716	7079368	1078072	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,12	up
6569082	7079368	1078070	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,09	up
5839731	7079368	1078070	chemokine (C-X-C motif) ligand 16	Cxcl16	497942	1,08	down
6613179	7123883	1186804	chemokine (C-X-C motif) ligand 2	Cxcl2	114105	2,43	down
5983093	7123883	1186805	chemokine (C-X-C motif) ligand 2	Cxcl2	114105	2,04	down
6017193	7123883	1186807	chemokine (C-X-C motif) ligand 2	Cxcl2	114105	1,28	down
5858252	7123883	1186808	chemokine (C-X-C motif) ligand 2	Cxcl2	114105	1,13	up
5903630	7123883	1186804	chemokine (C-X-C motif) ligand 2	Cxcl2	114105	1,10	up
6011819	7123883	1186806	chemokine (C-X-C motif) ligand 2	Cxcl2	114105	1,07	up
6513331	7123895	1186837	chemokine (C-X-C motif) ligand 3	Cxcl3	171551	5,01	up
6734662	7123895	1186835	chemokine (C-X-C motif) ligand 3	Cxcl3	171551	1,62	down
6256241	7123895	1186834	chemokine (C-X-C motif) ligand 3	Cxcl3	171551	1,59	down
6342837	7123895	1186836	chemokine (C-X-C motif) ligand 3	Cxcl3	171551	1,36	up
6152063	7123895	1186833	chemokine (C-X-C motif) ligand 3	Cxcl3	171551	1,07	down
6495215	7123895	1186838	chemokine (C-X-C motif) ligand 3	Cxcl3	171551	1,04	down
6500964	7116938	1169541	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	36,11	down
5754679	7116938	1169544	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	3,63	up
6384458	7116938	1169543	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	3,29	down
6593607	7116938	1169546	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	3,07	up
6500752	7116938	1169546	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	1,52	up
5856721	7116938	1169545	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	1,30	down
6062432	7116938	1169542	chemokine (C-X-C motif) ligand 9	Cxcl9	246759	1,22	down
6344066	7344093	1730345	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	2,35	down
6251914	7344093	1730349	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	2,05	down
5960887	7344093	1730351	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	2,00	up
6137001	7344093	1730344	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,41	down
6675234	7344093	1730345	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,34	up
5947504	7344093	1730342	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,31	down
6396448	7344093	1730351	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,28	up
6138195	7344093	1730343	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,24	up
6149664	7344093	1730346	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,21	down
6355854	7344093	1730341	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,19	up
6012187	7344093	1730350	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,13	up
5797227	7344093	1730349	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,08	down

6628688	7344093	1730352	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,05	up
5743778	7344093	1730348	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,04	up
6198329	7344093	1730347	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,04	up
5753726	7344093	1730341	CHK1 checkpoint homolog (S. pombe)	Chek1	140583	1,01	down
6142951	7374466	1807853	chloride channel 4-2	Clcn4-2	60586	3,03	up
6195624	7374466	1807860	chloride channel 4-2	Clcn4-2	60586	2,01	up
6607364	7374466	1807857	chloride channel 4-2	Clcn4-2	60586	1,68	up
6662314	7374466	1807856	chloride channel 4-2	Clcn4-2	60586	1,53	up
5904792	7374466	1807864	chloride channel 4-2	Clcn4-2	60586	1,48	up
5902106	7374466	1807858	chloride channel 4-2	Clcn4-2	60586	1,47	down
6297781	7374466	1807862	chloride channel 4-2	Clcn4-2	60586	1,44	down
6017165	7374466	1807862	chloride channel 4-2	Clcn4-2	60586	1,37	up
6254459	7374466	1807865	chloride channel 4-2	Clcn4-2	60586	1,32	down
5861755	7374466	1807867	chloride channel 4-2	Clcn4-2	60586	1,21	up
6124188	7374466	1807866	chloride channel 4-2	Clcn4-2	60586	1,15	down
5626501	7374466	1807862	chloride channel 4-2	Clcn4-2	60586	1,11	down
5762436	7374466	1807859	chloride channel 4-2	Clcn4-2	60586	1,09	up
5984739	7374466	1807855	chloride channel 4-2	Clcn4-2	60586	1,09	down
5731469	7374466	1807861	chloride channel 4-2	Clcn4-2	60586	1,08	up
6035395	7374466	1807854	chloride channel 4-2	Clcn4-2	60586	1,01	down
6704692	7374466	1807863	chloride channel 4-2	Clcn4-2	60586	1,00	up
5902913	7065661	1045289	chloride channel 7	Clcn7	29233	2,07	down
5704099	7065661	1045307	chloride channel 7	Clcn7	29233	1,54	down
6197367	7065661	1045290	chloride channel 7	Clcn7	29233	1,42	down
6464047	7065661	1045306	chloride channel 7	Clcn7	29233	1,30	down
6100862	7065661	1045295	chloride channel 7	Clcn7	29233	1,29	down
5621048	7065661	1045300	chloride channel 7	Clcn7	29233	1,29	up
5898240	7065661	1045309	chloride channel 7	Clcn7	29233	1,29	up
6609020	7065661	1045310	chloride channel 7	Clcn7	29233	1,27	up
5704272	7065661	1045303	chloride channel 7	Clcn7	29233	1,27	up
5622307	7065661	1045296	chloride channel 7	Clcn7	29233	1,24	up
6162731	7065661	1045297	chloride channel 7	Clcn7	29233	1,17	down
5956612	7065661	1045302	chloride channel 7	Clcn7	29233	1,14	up
6218178	7065661	1045299	chloride channel 7	Clcn7	29233	1,14	down
6628932	7065661	1045311	chloride channel 7	Clcn7	29233	1,13	down
5892176	7065661	1045308	chloride channel 7	Clcn7	29233	1,12	down
6407868	7065661	1045301	chloride channel 7	Clcn7	29233	1,11	up
6738659	7065661	1045304	chloride channel 7	Clcn7	29233	1,11	up
6331382	7065661	1045313	chloride channel 7	Clcn7	29233	1,09	down
6002967	7065661	1045293	chloride channel 7	Clcn7	29233	1,09	down
5729092	7065661	1045305	chloride channel 7	Clcn7	29233	1,05	down
5977845	7065661	1045291	chloride channel 7	Clcn7	29233	1,04	down
6403006	7065661	1045292	chloride channel 7	Clcn7	29233	1,04	down
6222610	7065661	1045312	chloride channel 7	Clcn7	29233	1,03	up
6314292	7065661	1045314	chloride channel 7	Clcn7	29233	1,02	down
5695543	7065661	1045294	chloride channel 7	Clcn7	29233	1,01	up
6435808	7065661	1045298	chloride channel 7	Clcn7	29233	1,01	up
6703428	7292565	1602642	chloride channel Ka	Clcnka	79425	2,03	down
6496421	7292565	1602625	chloride channel Ka	Clcnka	79425	1,73	up
5905892	7292565	1602633	chloride channel Ka	Clcnka	79425	1,61	down
6435655	7292565	1602639	chloride channel Ka	Clcnka	79425	1,57	down
5781180	7292565	1602625	chloride channel Ka	Clcnka	79425	1,48	down
6211651	7292565	1602638	chloride channel Ka	Clcnka	79425	1,47	down
5745330	7292565	1602634	chloride channel Ka	Clcnka	79425	1,43	up
6080858	7292565	1602632	chloride channel Ka	Clcnka	79425	1,36	up
5646696	7292565	1602629	chloride channel Ka	Clcnka	79425	1,28	down
5903431	7292565	1602641	chloride channel Ka	Clcnka	79425	1,21	down

5850328	7292565	1602626	chloride channel Ka	Clcnka	79425	1,17	down
5895923	7292565	1602635	chloride channel Ka	Clcnka	79425	1,17	up
5809147	7292565	1602640	chloride channel Ka	Clcnka	79425	1,14	up
5712586	7292565	1602627	chloride channel Ka	Clcnka	79425	1,13	down
5656853	7292565	1602628	chloride channel Ka	Clcnka	79425	1,12	up
6722827	7292565	1602636	chloride channel Ka	Clcnka	79425	1,12	down
6335957	7292565	1602630	chloride channel Ka	Clcnka	79425	1,04	down
6409011	7292565	1602630	chloride channel Ka	Clcnka	79425	1,03	down
6489187	7292565	1602631	chloride channel Ka	Clcnka	79425	1,03	down
6225593	7292565	1602637	chloride channel Ka	Clcnka	79425	1,02	up
6149190	7292570	1602664	chloride channel Kb	Clcnkb	79430	2,10	down
6417877	7292570	1602660	chloride channel Kb	Clcnkb	79430	1,71	down
6043696	7292570	1602652	chloride channel Kb	Clcnkb	79430	1,68	up
5954653	7292570	1602667	chloride channel Kb	Clcnkb	79430	1,68	down
6288762	7292570	1602662	chloride channel Kb	Clcnkb	79430	1,50	down
6070694	7292570	1602654	chloride channel Kb	Clcnkb	79430	1,37	up
6302715	7292570	1602665	chloride channel Kb	Clcnkb	79430	1,37	down
6035233	7292570	1602668	chloride channel Kb	Clcnkb	79430	1,30	up
6584327	7292570	1602653	chloride channel Kb	Clcnkb	79430	1,28	up
6488662	7292570	1602650	chloride channel Kb	Clcnkb	79430	1,21	up
5892074	7292570	1602661	chloride channel Kb	Clcnkb	79430	1,21	down
6534293	7292570	1602657	chloride channel Kb	Clcnkb	79430	1,21	down
6193112	7292570	1602656	chloride channel Kb	Clcnkb	79430	1,18	up
6587138	7292570	1602660	chloride channel Kb	Clcnkb	79430	1,17	up
5690649	7292570	1602655	chloride channel Kb	Clcnkb	79430	1,15	up
5892494	7292570	1602666	chloride channel Kb	Clcnkb	79430	1,15	down
6192959	7292570	1602651	chloride channel Kb	Clcnkb	79430	1,12	up
5686525	7292570	1602663	chloride channel Kb	Clcnkb	79430	1,08	up
6236136	7292570	1602658	chloride channel Kb	Clcnkb	79430	1,05	down
5813368	7292570	1602666	chloride channel Kb	Clcnkb	79430	1,04	up
6169181	7292570	1602659	chloride channel Kb	Clcnkb	79430	1,03	up
6553174	7359845	1769282	chloride intracellular channel 5	Clc5	94272	3,31	up
6347340	7359845	1769280	chloride intracellular channel 5	Clc5	94272	1,53	down
5902039	7359845	1769278	chloride intracellular channel 5	Clc5	94272	1,45	down
6639631	7359845	1769275	chloride intracellular channel 5	Clc5	94272	1,42	up
6435215	7359845	1769281	chloride intracellular channel 5	Clc5	94272	1,25	up
6617198	7359845	1769276	chloride intracellular channel 5	Clc5	94272	1,23	down
6305378	7359845	1769279	chloride intracellular channel 5	Clc5	94272	1,12	down
6005169	7359845	1769277	chloride intracellular channel 5	Clc5	94272	1,11	up
5622768	7038898	982841	choline kinase alpha	Chka	29194	7,88	down
6702682	7038898	982842	choline kinase alpha	Chka	29194	4,67	down
6518452	7038898	982847	choline kinase alpha	Chka	29194	1,79	up
5846602	7038898	982853	choline kinase alpha	Chka	29194	1,69	up
6683490	7038898	982848	choline kinase alpha	Chka	29194	1,58	up
6453248	7038898	982842	choline kinase alpha	Chka	29194	1,46	down
5861363	7038898	982842	choline kinase alpha	Chka	29194	1,40	down
6494864	7038898	982844	choline kinase alpha	Chka	29194	1,27	up
6572644	7038898	982852	choline kinase alpha	Chka	29194	1,24	down
5707539	7038898	982846	choline kinase alpha	Chka	29194	1,20	up
6370448	7038898	982849	choline kinase alpha	Chka	29194	1,15	up
5947197	7038898	982842	choline kinase alpha	Chka	29194	1,14	down
5642058	7038898	982851	choline kinase alpha	Chka	29194	1,14	up
5659883	7038898	982850	choline kinase alpha	Chka	29194	1,14	down
5636276	7038898	982845	choline kinase alpha	Chka	29194	1,14	down
5788787	7038898	982853	choline kinase alpha	Chka	29194	1,05	up
5805380	7038898	982842	choline kinase alpha	Chka	29194	1,02	down
5790433	7038898	982843	choline kinase alpha	Chka	29194	1,00	up

5998505	7323516	1679811	choline phosphotransferase 1	Chpt1	362866	2,69	down
6626571	7323516	1679804	choline phosphotransferase 1	Chpt1	362866	1,78	down
5684606	7323516	1679805	choline phosphotransferase 1	Chpt1	362866	1,58	down
6525433	7323516	1679812	choline phosphotransferase 1	Chpt1	362866	1,52	down
5781082	7323516	1679808	choline phosphotransferase 1	Chpt1	362866	1,45	up
6504124	7323516	1679809	choline phosphotransferase 1	Chpt1	362866	1,36	up
6191843	7323516	1679811	choline phosphotransferase 1	Chpt1	362866	1,34	up
6159392	7323516	1679813	choline phosphotransferase 1	Chpt1	362866	1,17	down
6029794	7323516	1679806	choline phosphotransferase 1	Chpt1	362866	1,17	up
6392198	7323516	1679803	choline phosphotransferase 1	Chpt1	362866	1,09	down
5706017	7323516	1679810	choline phosphotransferase 1	Chpt1	362866	1,09	up
6375078	7323516	1679807	choline phosphotransferase 1	Chpt1	362866	1,06	up
6084971	7240290	1474544	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	2,17	up
5818766	7240290	1474541	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,45	up
6488069	7240290	1474546	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,22	down
5888617	7240290	1474550	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,16	down
5963491	7240290	1474543	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,16	down
6361907	7240290	1474542	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,15	up
5909534	7240290	1474545	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,14	up
6432761	7240290	1474550	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,09	down
6286764	7240290	1474542	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,08	down
6723951	7240290	1474547	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,06	up
5831376	7240290	1474549	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,03	up
6443909	7240290	1474548	cholinergic receptor, nicotinic, alpha 1 (muscle)	Chrna1	79557	1,02	up
6625858	7357158	1762564	cholinergic receptor, nicotinic, delta	Chrnd	54240	2,21	up
5898219	7357158	1762569	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,33	up
6543357	7357158	1762562	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,32	down
6336811	7357158	1762567	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,21	down
6428765	7357158	1762572	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,18	down
6306555	7357158	1762563	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,14	down
6055985	7357158	1762568	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,13	down
6719707	7357158	1762570	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,11	up
6150837	7357158	1762564	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,10	up
6202144	7357158	1762566	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,09	down
5857667	7357158	1762565	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,02	down
5912070	7357158	1762571	cholinergic receptor, nicotinic, delta	Chrnd	54240	1,01	down
5941507	7357164	1762587	cholinergic receptor, nicotinic, gamma	Chrng	25753	2,06	down
5911377	7357164	1762578	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,41	up
6679594	7357164	1762590	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,40	down
6520592	7357164	1762584	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,32	down
6068103	7357164	1762586	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,32	down
6679890	7357164	1762589	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,30	down
6470382	7357164	1762586	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,26	up
6491476	7357164	1762588	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,25	down
6435873	7357164	1762578	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,23	up
6192889	7357164	1762579	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,18	down
6100783	7357164	1762582	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,10	up
6454009	7357164	1762581	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,06	down
6358919	7357164	1762589	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,04	up
6541940	7357164	1762580	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,03	up
6078796	7357164	1762585	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,03	down
6616530	7357164	1762587	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,03	down
6036845	7357164	1762581	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,00	up
6741031	7357164	1762583	cholinergic receptor, nicotinic, gamma	Chrng	25753	1,00	up
6723990	7336548	1710921	chondroitin sulfate proteoglycan 4	Cspg4	81651	2,40	up
6223752	7336548	1710923	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,46	up
6595887	7336548	1710924	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,40	up

6402046	7336548	1710926	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,39	down
6661010	7336548	1710925	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,36	down
6399648	7336548	1710918	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,34	down
6362400	7336548	1710918	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,30	up
6259250	7336548	1710920	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,26	down
6265113	7336548	1710918	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,26	down
6033405	7336548	1710919	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,20	down
5698155	7336548	1710923	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,18	down
6139058	7336548	1710921	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,16	down
6185730	7336548	1710922	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,15	up
5636187	7336548	1710915	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,10	down
6306936	7336548	1710915	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,07	up
6272449	7336548	1710917	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,06	down
6442939	7336548	1710926	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,05	up
5819473	7336548	1710925	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,05	up
5621579	7336548	1710918	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,05	down
5784353	7336548	1710916	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,03	down
6598509	7336548	1710926	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,02	down
6605419	7336548	1710917	chondroitin sulfate proteoglycan 4	Cspg4	81651	1,02	down
6443830	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	3,21	down
6428048	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,67	down
6426333	7340657	1721631	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,48	up
6699732	7340657	1721630	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,44	up
6707606	7340657	1721631	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,42	up
6201550	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,38	down
6467330	7340657	1721632	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,35	up
5729838	7340657	1721629	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,30	down
5791488	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,14	up
6532391	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,12	down
6069931	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,08	down
6655286	7340657	1721628	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,05	down
6083079	7340657	1721630	chondroitin sulfate proteoglycan 5	Cspg5	50568	1,03	down
6230338	7095021	1115122	chordin	Chrd	117275	1,47	down
5684603	7095021	1115125	chordin	Chrd	117275	1,35	down
5809786	7095021	1115120	chordin	Chrd	117275	1,22	down
5695811	7095021	1115121	chordin	Chrd	117275	1,19	up
5710283	7095021	1115124	chordin	Chrd	117275	1,07	up
5778022	7095021	1115125	chordin	Chrd	117275	1,06	up
6695504	7071648	1060191	chromobox homolog 1 (HP1 beta homolog Drosophila)	Cbx1	360609	1,20	up
6445236	7071648	1060192	chromobox homolog 1 (HP1 beta homolog Drosophila)	Cbx1	360609	1,17	up
5784429	7071648	1060195	chromobox homolog 1 (HP1 beta homolog Drosophila)	Cbx1	360609	1,13	down
6404196	7329864	1695045	chromobox homolog 6	Cbx6	315136	2,23	up
5905100	7329864	1695044	chromobox homolog 6	Cbx6	315136	1,96	up
5757791	7329864	1695044	chromobox homolog 6	Cbx6	315136	1,46	down
6007535	7329864	1695047	chromobox homolog 6	Cbx6	315136	1,43	up
6205152	7329864	1695045	chromobox homolog 6	Cbx6	315136	1,25	down
6532171	7329864	1695044	chromobox homolog 6	Cbx6	315136	1,24	down
6275469	7329864	1695046	chromobox homolog 6	Cbx6	315136	1,22	up
6079967	7329864	1695048	chromobox homolog 6	Cbx6	315136	1,07	down
5862935	7329864	1695044	chromobox homolog 6	Cbx6	315136	1,05	down
6735910	7329864	1695044	chromobox homolog 6	Cbx6	315136	1,02	up
5851845	7329864	1695049	chromobox homolog 6	Cbx6	315136	1,02	up
6660327	7329878	1695064	chromobox homolog 7	Cbx7	362962	3,12	down
6633388	7329878	1695068	chromobox homolog 7	Cbx7	362962	1,47	down
5995153	7329878	1695065	chromobox homolog 7	Cbx7	362962	1,46	up
6332845	7329878	1695063	chromobox homolog 7	Cbx7	362962	1,19	up
6373198	7329878	1695063	chromobox homolog 7	Cbx7	362962	1,15	down

5969578	7329878	1695066	chromobox homolog 7	Cbx7	362962	1,13	up
6247840	7329878	1695063	chromobox homolog 7	Cbx7	362962	1,10	up
6280967	7329878	1695067	chromobox homolog 7	Cbx7	362962	1,06	down
6208763	7329878	1695069	chromobox homolog 7	Cbx7	362962	1,03	up
5745157	7078982	1077323	chromodomain helicase DNA binding protein 3	Chd3	303241	1,83	down
6002801	7078982	1077327	chromodomain helicase DNA binding protein 3	Chd3	303241	1,62	up
6418518	7078982	1077344	chromodomain helicase DNA binding protein 3	Chd3	303241	1,58	up
5737022	7078982	1077335	chromodomain helicase DNA binding protein 3	Chd3	303241	1,43	down
6145589	7078982	1077315	chromodomain helicase DNA binding protein 3	Chd3	303241	1,39	down
6495252	7078982	1077311	chromodomain helicase DNA binding protein 3	Chd3	303241	1,38	down
6344159	7078982	1077344	chromodomain helicase DNA binding protein 3	Chd3	303241	1,37	down
5857345	7078982	1077322	chromodomain helicase DNA binding protein 3	Chd3	303241	1,29	down
6380598	7078982	1077328	chromodomain helicase DNA binding protein 3	Chd3	303241	1,26	down
6523380	7078982	1077345	chromodomain helicase DNA binding protein 3	Chd3	303241	1,25	down
5865087	7078982	1077329	chromodomain helicase DNA binding protein 3	Chd3	303241	1,21	down
6283468	7078982	1077331	chromodomain helicase DNA binding protein 3	Chd3	303241	1,21	up
5890070	7078982	1077310	chromodomain helicase DNA binding protein 3	Chd3	303241	1,20	up
6426861	7078982	1077309	chromodomain helicase DNA binding protein 3	Chd3	303241	1,18	down
6449766	7078982	1077312	chromodomain helicase DNA binding protein 3	Chd3	303241	1,17	up
5778137	7078982	1077339	chromodomain helicase DNA binding protein 3	Chd3	303241	1,16	up
6114077	7078982	1077326	chromodomain helicase DNA binding protein 3	Chd3	303241	1,16	up
6708505	7078982	1077321	chromodomain helicase DNA binding protein 3	Chd3	303241	1,15	down
6195690	7078982	1077346	chromodomain helicase DNA binding protein 3	Chd3	303241	1,14	down
6521967	7078982	1077344	chromodomain helicase DNA binding protein 3	Chd3	303241	1,12	down
6189997	7078982	1077316	chromodomain helicase DNA binding protein 3	Chd3	303241	1,10	down
6567307	7078982	1077311	chromodomain helicase DNA binding protein 3	Chd3	303241	1,10	down
5836995	7078982	1077320	chromodomain helicase DNA binding protein 3	Chd3	303241	1,08	down
5636897	7078982	1077342	chromodomain helicase DNA binding protein 3	Chd3	303241	1,08	down
6003379	7078982	1077319	chromodomain helicase DNA binding protein 3	Chd3	303241	1,08	down
5708453	7078982	1077330	chromodomain helicase DNA binding protein 3	Chd3	303241	1,08	down
5821231	7078982	1077338	chromodomain helicase DNA binding protein 3	Chd3	303241	1,07	up
6515270	7078982	1077333	chromodomain helicase DNA binding protein 3	Chd3	303241	1,07	up
6027886	7078982	1077318	chromodomain helicase DNA binding protein 3	Chd3	303241	1,06	up
6713853	7078982	1077314	chromodomain helicase DNA binding protein 3	Chd3	303241	1,06	down
6034490	7078982	1077317	chromodomain helicase DNA binding protein 3	Chd3	303241	1,06	down
6155737	7078982	1077334	chromodomain helicase DNA binding protein 3	Chd3	303241	1,06	down
6723971	7078982	1077336	chromodomain helicase DNA binding protein 3	Chd3	303241	1,05	down
5638196	7078982	1077343	chromodomain helicase DNA binding protein 3	Chd3	303241	1,04	up
5744554	7078982	1077339	chromodomain helicase DNA binding protein 3	Chd3	303241	1,04	up
6235150	7078982	1077313	chromodomain helicase DNA binding protein 3	Chd3	303241	1,03	down
6112125	7078982	1077337	chromodomain helicase DNA binding protein 3	Chd3	303241	1,03	up
6399455	7078982	1077324	chromodomain helicase DNA binding protein 3	Chd3	303241	1,03	down
6063113	7078982	1077340	chromodomain helicase DNA binding protein 3	Chd3	303241	1,02	down
6204346	7078982	1077332	chromodomain helicase DNA binding protein 3	Chd3	303241	1,00	down
6104233	7078982	1077325	chromodomain helicase DNA binding protein 3	Chd3	303241	1,00	up
6160842	7258455	1518724	chromodomain helicase DNA binding protein 4	Chd4	117535	1,06	down
6389599	7247512	1491199	chromodomain helicase DNA binding protein 6	Chd6	311607	1,92	down
5768665	7247512	1491206	chromodomain helicase DNA binding protein 6	Chd6	311607	1,88	down
6712927	7247512	1491217	chromodomain helicase DNA binding protein 6	Chd6	311607	1,78	down
6504885	7247512	1491205	chromodomain helicase DNA binding protein 6	Chd6	311607	1,50	up
6148159	7247512	1491200	chromodomain helicase DNA binding protein 6	Chd6	311607	1,43	down
5879507	7247512	1491221	chromodomain helicase DNA binding protein 6	Chd6	311607	1,41	up
6426850	7247512	1491221	chromodomain helicase DNA binding protein 6	Chd6	311607	1,38	down
6060716	7247512	1491215	chromodomain helicase DNA binding protein 6	Chd6	311607	1,38	down
6340051	7247512	1491232	chromodomain helicase DNA binding protein 6	Chd6	311607	1,36	up
5832887	7247512	1491205	chromodomain helicase DNA binding protein 6	Chd6	311607	1,35	down
6565931	7247512	1491190	chromodomain helicase DNA binding protein 6	Chd6	311607	1,35	down

6262022	7247512	1491202	chromodomain helicase DNA binding protein 6	Chd6	311607	1,30	down
6543382	7247512	1491230	chromodomain helicase DNA binding protein 6	Chd6	311607	1,28	up
6294372	7247512	1491185	chromodomain helicase DNA binding protein 6	Chd6	311607	1,25	up
6613413	7247512	1491226	chromodomain helicase DNA binding protein 6	Chd6	311607	1,22	down
5968248	7247512	1491233	chromodomain helicase DNA binding protein 6	Chd6	311607	1,18	up
5634747	7247512	1491207	chromodomain helicase DNA binding protein 6	Chd6	311607	1,16	down
6510657	7247512	1491195	chromodomain helicase DNA binding protein 6	Chd6	311607	1,16	up
6706948	7247512	1491204	chromodomain helicase DNA binding protein 6	Chd6	311607	1,16	down
5791774	7247512	1491196	chromodomain helicase DNA binding protein 6	Chd6	311607	1,15	up
5994191	7247512	1491212	chromodomain helicase DNA binding protein 6	Chd6	311607	1,15	up
5958966	7247512	1491211	chromodomain helicase DNA binding protein 6	Chd6	311607	1,15	down
5959806	7247512	1491197	chromodomain helicase DNA binding protein 6	Chd6	311607	1,14	up
5998543	7247512	1491222	chromodomain helicase DNA binding protein 6	Chd6	311607	1,14	up
6179120	7247512	1491186	chromodomain helicase DNA binding protein 6	Chd6	311607	1,13	down
5853063	7247512	1491203	chromodomain helicase DNA binding protein 6	Chd6	311607	1,10	down
5877460	7247512	1491209	chromodomain helicase DNA binding protein 6	Chd6	311607	1,09	down
6274432	7247512	1491230	chromodomain helicase DNA binding protein 6	Chd6	311607	1,09	up
6657012	7247512	1491194	chromodomain helicase DNA binding protein 6	Chd6	311607	1,08	up
5617741	7247512	1491223	chromodomain helicase DNA binding protein 6	Chd6	311607	1,08	down
6477792	7247512	1491214	chromodomain helicase DNA binding protein 6	Chd6	311607	1,07	down
6603756	7247512	1491198	chromodomain helicase DNA binding protein 6	Chd6	311607	1,07	down
6234007	7247512	1491191	chromodomain helicase DNA binding protein 6	Chd6	311607	1,07	up
5720027	7247512	1491208	chromodomain helicase DNA binding protein 6	Chd6	311607	1,07	up
6646440	7247512	1491213	chromodomain helicase DNA binding protein 6	Chd6	311607	1,06	down
6735506	7247512	1491219	chromodomain helicase DNA binding protein 6	Chd6	311607	1,06	down
6564286	7247512	1491200	chromodomain helicase DNA binding protein 6	Chd6	311607	1,04	up
6687080	7247512	1491186	chromodomain helicase DNA binding protein 6	Chd6	311607	1,03	down
6014388	7247512	1491220	chromodomain helicase DNA binding protein 6	Chd6	311607	1,03	up
6143358	7247512	1491205	chromodomain helicase DNA binding protein 6	Chd6	311607	1,03	down
5976027	7247512	1491216	chromodomain helicase DNA binding protein 6	Chd6	311607	1,02	down
6422912	7247512	1491228	chromodomain helicase DNA binding protein 6	Chd6	311607	1,02	down
5728070	7247512	1491201	chromodomain helicase DNA binding protein 6	Chd6	311607	1,01	down
6727756	7272577	1554271	chromodomain helicase DNA binding protein 7	Chd7	312974	2,63	down
6645140	7272577	1554250	chromodomain helicase DNA binding protein 7	Chd7	312974	1,84	up
6021113	7272577	1554279	chromodomain helicase DNA binding protein 7	Chd7	312974	1,70	down
6121317	7272577	1554246	chromodomain helicase DNA binding protein 7	Chd7	312974	1,70	up
6684885	7272577	1554278	chromodomain helicase DNA binding protein 7	Chd7	312974	1,62	down
6581734	7272577	1554252	chromodomain helicase DNA binding protein 7	Chd7	312974	1,45	up
5923476	7272577	1554276	chromodomain helicase DNA binding protein 7	Chd7	312974	1,44	down
6224007	7272577	1554275	chromodomain helicase DNA binding protein 7	Chd7	312974	1,44	down
6647371	7272577	1554250	chromodomain helicase DNA binding protein 7	Chd7	312974	1,37	up
5793504	7272577	1554222	chromodomain helicase DNA binding protein 7	Chd7	312974	1,36	up
6514806	7272577	1554263	chromodomain helicase DNA binding protein 7	Chd7	312974	1,34	down
6157710	7272577	1554278	chromodomain helicase DNA binding protein 7	Chd7	312974	1,32	down
5721792	7272577	1554282	chromodomain helicase DNA binding protein 7	Chd7	312974	1,27	down
6576778	7272577	1554282	chromodomain helicase DNA binding protein 7	Chd7	312974	1,24	down
6128864	7272577	1554255	chromodomain helicase DNA binding protein 7	Chd7	312974	1,22	up
6723210	7272577	1554276	chromodomain helicase DNA binding protein 7	Chd7	312974	1,22	up
6115607	7272577	1554209	chromodomain helicase DNA binding protein 7	Chd7	312974	1,22	down
5995611	7272577	1554241	chromodomain helicase DNA binding protein 7	Chd7	312974	1,20	up
6442459	7272577	1554270	chromodomain helicase DNA binding protein 7	Chd7	312974	1,20	down
6099565	7272577	1554222	chromodomain helicase DNA binding protein 7	Chd7	312974	1,20	up
6593903	7272577	1554228	chromodomain helicase DNA binding protein 7	Chd7	312974	1,18	down
6434366	7272577	1554243	chromodomain helicase DNA binding protein 7	Chd7	312974	1,18	up
6171226	7272577	1554272	chromodomain helicase DNA binding protein 7	Chd7	312974	1,18	down
6566538	7272577	1554246	chromodomain helicase DNA binding protein 7	Chd7	312974	1,16	down
6593410	7272577	1554257	chromodomain helicase DNA binding protein 7	Chd7	312974	1,15	down

5666633	7272577	1554273	chromodomain helicase DNA binding protein 7	Chd7	312974	1,15	down
6528294	7272577	1554280	chromodomain helicase DNA binding protein 7	Chd7	312974	1,13	down
6445933	7272577	1554282	chromodomain helicase DNA binding protein 7	Chd7	312974	1,13	down
5763726	7272577	1554259	chromodomain helicase DNA binding protein 7	Chd7	312974	1,13	down
6637704	7272577	1554254	chromodomain helicase DNA binding protein 7	Chd7	312974	1,13	down
6223754	7272577	1554244	chromodomain helicase DNA binding protein 7	Chd7	312974	1,13	up
6279076	7272577	1554234	chromodomain helicase DNA binding protein 7	Chd7	312974	1,12	up
6099854	7272577	1554242	chromodomain helicase DNA binding protein 7	Chd7	312974	1,11	up
5929637	7272577	1554268	chromodomain helicase DNA binding protein 7	Chd7	312974	1,08	down
6483721	7272577	1554209	chromodomain helicase DNA binding protein 7	Chd7	312974	1,08	down
6311088	7272577	1554253	chromodomain helicase DNA binding protein 7	Chd7	312974	1,06	up
6545815	7272577	1554209	chromodomain helicase DNA binding protein 7	Chd7	312974	1,06	down
5677028	7272577	1554258	chromodomain helicase DNA binding protein 7	Chd7	312974	1,06	down
6242680	7272577	1554232	chromodomain helicase DNA binding protein 7	Chd7	312974	1,06	up
6218224	7272577	1554245	chromodomain helicase DNA binding protein 7	Chd7	312974	1,05	up
6353249	7272577	1554267	chromodomain helicase DNA binding protein 7	Chd7	312974	1,05	down
6045230	7272577	1554256	chromodomain helicase DNA binding protein 7	Chd7	312974	1,03	down
6236852	7272577	1554247	chromodomain helicase DNA binding protein 7	Chd7	312974	1,03	up
6471804	7272577	1554269	chromodomain helicase DNA binding protein 7	Chd7	312974	1,02	up
5856292	7272577	1554264	chromodomain helicase DNA binding protein 7	Chd7	312974	1,02	up
6038624	7272577	1554231	chromodomain helicase DNA binding protein 7	Chd7	312974	1,01	down
6538510	7272577	1554222	chromodomain helicase DNA binding protein 7	Chd7	312974	1,01	up
6489489	7272577	1554208	chromodomain helicase DNA binding protein 7	Chd7	312974	1,00	up
6230714	7163740	1283920	chromodomain protein, Y chromosome-like	Cdyl	361237	2,07	down
6324875	7163740	1283919	chromodomain protein, Y chromosome-like	Cdyl	361237	1,66	up
6719220	7163740	1283917	chromodomain protein, Y chromosome-like	Cdyl	361237	1,48	down
6046114	7163740	1283915	chromodomain protein, Y chromosome-like	Cdyl	361237	1,28	up
6427213	7163740	1283918	chromodomain protein, Y chromosome-like	Cdyl	361237	1,27	down
5944461	7163740	1283921	chromodomain protein, Y chromosome-like	Cdyl	361237	1,17	up
6557052	7163740	1283916	chromodomain protein, Y chromosome-like	Cdyl	361237	1,15	up
6489978	7163740	1283914	chromodomain protein, Y chromosome-like	Cdyl	361237	1,13	down
6269198	7163740	1283913	chromodomain protein, Y chromosome-like	Cdyl	361237	1,07	up
5810146	7163740	1283922	chromodomain protein, Y chromosome-like	Cdyl	361237	1,03	down
6707836	7292517	1602525	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,74	down
6112065	7292517	1602527	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,62	up
6557053	7292517	1602532	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,59	up
6020627	7292517	1602528	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,55	up
6576541	7292517	1602534	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,53	up
6572485	7292517	1602523	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,43	down
5861647	7292517	1602535	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,41	up
5659849	7292517	1602526	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,38	up
6439328	7292517	1602541	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,36	up
6314454	7292517	1602536	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,35	down
6059249	7292517	1602533	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,31	down
6548722	7292517	1602531	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,28	down
5835357	7292517	1602527	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,24	down
6515708	7292517	1602530	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,22	down
6376771	7292517	1602544	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,21	down
5966783	7292517	1602521	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,16	up
6429925	7292517	1602537	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,14	up
6625270	7292517	1602545	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,13	up
5901379	7292517	1602530	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,13	up
6140276	7292517	1602524	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,12	down
6667936	7292517	1602539	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,10	up
6333199	7292517	1602529	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,08	up
6646343	7292517	1602542	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,07	up
5892295	7292517	1602543	ciliary rootlet coiled-coil, rootletin	Crocc	313663	1,04	up

6694851	7211363	1402035	cingulin	Cgn	310655	1,10	up
5799546	7211363	1402035	cingulin	Cgn	310655	1,09	down
6719811	7211363	1402035	cingulin	Cgn	310655	1,08	down
6331522	7211363	1402035	cingulin	Cgn	310655	1,07	down
5728620	7135736	1215394	citrate lyase beta like	Clybl	306198	2,12	down
6027290	7135736	1215353	citrate lyase beta like	Clybl	306198	1,74	up
5963705	7135736	1215390	citrate lyase beta like	Clybl	306198	1,64	down
6344464	7135736	1215391	citrate lyase beta like	Clybl	306198	1,48	up
5732667	7135736	1215401	citrate lyase beta like	Clybl	306198	1,40	down
6314652	7135736	1215365	citrate lyase beta like	Clybl	306198	1,37	up
6422782	7135736	1215390	citrate lyase beta like	Clybl	306198	1,36	down
6245847	7135736	1215401	citrate lyase beta like	Clybl	306198	1,13	up
5962551	7135736	1215387	citrate lyase beta like	Clybl	306198	1,02	down
6493389	7135736	1215392	citrate lyase beta like	Clybl	306198	1,00	down
6697970	7102841	1134771	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	3,19	down
6476052	7102841	1134784	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,76	up
5626301	7102841	1134774	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,73	up
6416053	7102841	1134773	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,68	down
5675034	7102841	1134776	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,66	down
6448592	7102841	1134769	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,63	down
6263483	7102841	1134756	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,62	up
5770060	7102841	1134763	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,59	up
6448908	7102841	1134771	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,56	down
6594810	7102841	1134770	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,54	up
6315078	7102841	1134760	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,50	down
6676765	7102841	1134761	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,50	down
6335389	7102841	1134762	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,48	up
5878387	7102841	1134767	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,48	up
6441615	7102841	1134768	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,48	up
6420472	7102841	1134759	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,37	down
6156667	7102841	1134775	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,34	up
6103827	7102841	1134783	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,33	down
6474038	7102841	1134766	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,31	up
6274070	7102841	1134765	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,30	down
6360158	7102841	1134786	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,25	down
6387796	7102841	1134779	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,24	up
6318520	7102841	1134758	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,24	down
6674335	7102841	1134753	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,20	down
5771965	7102841	1134778	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,20	up
6443796	7102841	1134777	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,19	down
6233020	7102841	1134788	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,18	up
6704891	7102841	1134785	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,12	up
6002201	7102841	1134755	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,12	up
6731738	7102841	1134754	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,10	up
6730018	7102841	1134787	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,09	down
6007210	7102841	1134764	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,08	up
5825908	7102841	1134780	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,07	down
5625459	7102841	1134782	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,06	down
6740727	7102841	1134789	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,06	up
5866008	7102841	1134790	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,06	down
6149858	7102841	1134772	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,04	down
6591380	7102841	1134781	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,02	up
6031543	7102841	1134757	citron (rho-interacting, serine/threonine kinase 21)	Cit	83620	1,01	down
6279606	7350530	1746233	CKLF-like MARVEL transmembrane domain containing 7	Cmtm7	501065	1,24	up
5768272	7350530	1746232	CKLF-like MARVEL transmembrane domain containing 7	Cmtm7	501065	1,22	up
6214603	7350530	1746242	CKLF-like MARVEL transmembrane domain containing 7	Cmtm7	501065	1,21	up
6101332	7350530	1746237	CKLF-like MARVEL transmembrane domain containing 7	Cmtm7	501065	1,18	up

6195373	7350530	1746242	CKLF-like MARVEL transmembrane domain containing 7	Cmtm7	501065	1,15	up
6430975	7350530	1746235	CKLF-like MARVEL transmembrane domain containing 7	Cmtm7	501065	1,05	down
5717286	7279555	1571975	claspin homolog (Xenopus laevis)	Clspn	298534	2,78	down
5816551	7279555	1571974	claspin homolog (Xenopus laevis)	Clspn	298534	2,56	down
6167080	7279555	1571976	claspin homolog (Xenopus laevis)	Clspn	298534	1,76	up
5798633	7279555	1571955	claspin homolog (Xenopus laevis)	Clspn	298534	1,67	up
6360818	7279555	1571948	claspin homolog (Xenopus laevis)	Clspn	298534	1,60	down
6561130	7279555	1571971	claspin homolog (Xenopus laevis)	Clspn	298534	1,49	down
6307425	7279555	1571961	claspin homolog (Xenopus laevis)	Clspn	298534	1,48	down
6628181	7279555	1571973	claspin homolog (Xenopus laevis)	Clspn	298534	1,47	up
6021023	7279555	1571969	claspin homolog (Xenopus laevis)	Clspn	298534	1,33	up
6396493	7279555	1571972	claspin homolog (Xenopus laevis)	Clspn	298534	1,29	up
6600727	7279555	1571968	claspin homolog (Xenopus laevis)	Clspn	298534	1,28	down
5869050	7279555	1571974	claspin homolog (Xenopus laevis)	Clspn	298534	1,25	down
6437941	7279555	1571959	claspin homolog (Xenopus laevis)	Clspn	298534	1,25	up
6374144	7279555	1571946	claspin homolog (Xenopus laevis)	Clspn	298534	1,23	up
5943357	7279555	1571963	claspin homolog (Xenopus laevis)	Clspn	298534	1,19	down
5879254	7279555	1571959	claspin homolog (Xenopus laevis)	Clspn	298534	1,15	down
6102706	7279555	1571949	claspin homolog (Xenopus laevis)	Clspn	298534	1,14	up
6301642	7279555	1571962	claspin homolog (Xenopus laevis)	Clspn	298534	1,12	down
5642891	7279555	1571960	claspin homolog (Xenopus laevis)	Clspn	298534	1,11	down
6067088	7279555	1571966	claspin homolog (Xenopus laevis)	Clspn	298534	1,07	up
6497955	7279555	1571956	claspin homolog (Xenopus laevis)	Clspn	298534	1,07	up
6126810	7279555	1571949	claspin homolog (Xenopus laevis)	Clspn	298534	1,06	up
6259742	7279555	1571963	claspin homolog (Xenopus laevis)	Clspn	298534	1,05	down
6047412	7279555	1571954	claspin homolog (Xenopus laevis)	Clspn	298534	1,05	up
6025847	7279555	1571947	claspin homolog (Xenopus laevis)	Clspn	298534	1,05	up
6419348	7279555	1571957	claspin homolog (Xenopus laevis)	Clspn	298534	1,04	down
6136218	7279555	1571958	claspin homolog (Xenopus laevis)	Clspn	298534	1,04	up
5835927	7279555	1571964	claspin homolog (Xenopus laevis)	Clspn	298534	1,01	up
6735991	7279555	1571967	claspin homolog (Xenopus laevis)	Clspn	298534	1,01	down
6325094	7279555	1571970	claspin homolog (Xenopus laevis)	Clspn	298534	1,01	down
6046993	7279555	1571965	claspin homolog (Xenopus laevis)	Clspn	298534	1,00	down
6189729	7074519	1067165	class II transactivator	Ciita	85483	2,53	down
6302271	7074519	1067162	class II transactivator	Ciita	85483	1,81	up
6323880	7074519	1067170	class II transactivator	Ciita	85483	1,68	up
6722858	7074519	1067167	class II transactivator	Ciita	85483	1,52	up
5955766	7074519	1067169	class II transactivator	Ciita	85483	1,49	up
5833503	7074519	1067156	class II transactivator	Ciita	85483	1,44	down
6306081	7074519	1067155	class II transactivator	Ciita	85483	1,35	up
5854972	7074519	1067157	class II transactivator	Ciita	85483	1,31	up
6464431	7074519	1067171	class II transactivator	Ciita	85483	1,28	down
5991482	7074519	1067161	class II transactivator	Ciita	85483	1,26	down
6109065	7074519	1067166	class II transactivator	Ciita	85483	1,18	up
5838475	7074519	1067175	class II transactivator	Ciita	85483	1,17	up
6615071	7074519	1067175	class II transactivator	Ciita	85483	1,17	up
5761658	7074519	1067159	class II transactivator	Ciita	85483	1,13	down
6694075	7074519	1067158	class II transactivator	Ciita	85483	1,13	up
5735344	7074519	1067168	class II transactivator	Ciita	85483	1,12	down
6421374	7074519	1067160	class II transactivator	Ciita	85483	1,11	up
6659153	7074519	1067163	class II transactivator	Ciita	85483	1,10	up
5914473	7074519	1067164	class II transactivator	Ciita	85483	1,07	down
6711155	7074519	1067173	class II transactivator	Ciita	85483	1,05	up
5711421	7074519	1067172	class II transactivator	Ciita	85483	1,04	down
6134072	7097535	1121116	claudin 4	Cldn4	304407	2,08	down
5804245	7097535	1121115	claudin 4	Cldn4	304407	1,15	up
6281573	7065357	1044742	claudin 6	Cldn6	287098	2,23	up

5781789	7065357	1044743	claudin 6	Cldn6	287098	1,21	up
6501072	7100210	1128144	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,91	up
5741905	7100210	1128146	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,62	up
6566365	7100210	1128147	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,52	up
5959683	7100210	1128151	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,34	up
6632134	7100210	1128146	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,19	up
6280805	7100210	1128142	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,19	down
6398343	7100210	1128149	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,14	up
5631138	7100210	1128145	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,13	up
6010163	7100210	1128136	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,06	up
6148846	7100210	1128135	cleavage and polyadenylation specific factor 4	Cpsf4	304277	1,04	up
6185525	7232438	1453826	c-mer proto-oncogene tyrosine kinase	Mertk	65037	2,37	up
6340605	7232438	1453843	c-mer proto-oncogene tyrosine kinase	Mertk	65037	2,02	up
5872807	7232438	1453835	c-mer proto-oncogene tyrosine kinase	Mertk	65037	2,01	up
6577201	7232438	1453827	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,69	down
6733148	7232438	1453840	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,60	up
6491177	7232438	1453828	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,48	down
6438120	7232438	1453829	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,37	down
6048863	7232438	1453826	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,27	down
5797460	7232438	1453838	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,24	down
5856009	7232438	1453827	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,19	down
6070912	7232438	1453839	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,18	up
6181307	7232438	1453837	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,16	down
5673717	7232438	1453833	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,16	up
6637769	7232438	1453825	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,13	up
6054021	7232438	1453842	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,07	up
6511534	7232438	1453831	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,06	up
6373052	7232438	1453830	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,04	up
6019240	7232438	1453832	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,04	down
6384308	7232438	1453841	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,01	down
6201762	7232438	1453834	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,01	down
6217164	7232438	1453836	c-mer proto-oncogene tyrosine kinase	Mertk	65037	1,00	up
5660297	7045969	1000818	Cnksr family member 3	Cnksr3	308113	4,37	down
6146931	7045969	1000816	Cnksr family member 3	Cnksr3	308113	2,72	down
5999553	7045969	1000824	Cnksr family member 3	Cnksr3	308113	2,01	up
5712743	7045969	1000821	Cnksr family member 3	Cnksr3	308113	1,97	up
6586857	7045969	1000818	Cnksr family member 3	Cnksr3	308113	1,49	down
6039562	7045969	1000815	Cnksr family member 3	Cnksr3	308113	1,46	down
5978456	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,45	up
6460948	7045969	1000825	Cnksr family member 3	Cnksr3	308113	1,42	up
6029543	7045969	1000817	Cnksr family member 3	Cnksr3	308113	1,38	up
5682846	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,29	down
5651708	7045969	1000815	Cnksr family member 3	Cnksr3	308113	1,21	up
6291698	7045969	1000826	Cnksr family member 3	Cnksr3	308113	1,20	down
6518141	7045969	1000823	Cnksr family member 3	Cnksr3	308113	1,15	down
5639163	7045969	1000820	Cnksr family member 3	Cnksr3	308113	1,14	up
6681465	7045969	1000816	Cnksr family member 3	Cnksr3	308113	1,14	up
6297040	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,05	down
5911839	7045969	1000815	Cnksr family member 3	Cnksr3	308113	1,04	down
5948580	7045969	1000814	Cnksr family member 3	Cnksr3	308113	1,04	down
6498962	7045969	1000819	Cnksr family member 3	Cnksr3	308113	1,01	up
6064549	7045969	1000822	Cnksr family member 3	Cnksr3	308113	1,01	up
6309012	7198615	1372170	coagulation factor III (thromboplastin, tissue factor)	F3	25584	3,68	down
5828521	7198615	1372170	coagulation factor III (thromboplastin, tissue factor)	F3	25584	2,30	down
5658349	7198615	1372165	coagulation factor III (thromboplastin, tissue factor)	F3	25584	2,00	down
5765858	7198615	1372168	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,45	up
5807339	7198615	1372170	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,42	down

5902272	7198615	1372170	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,31	up
6426771	7198615	1372168	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,26	up
6705210	7198615	1372166	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,23	up
6694489	7198615	1372169	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,20	up
6144093	7198615	1372170	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,06	up
5668661	7198615	1372167	coagulation factor III (thromboplastin, tissue factor)	F3	25584	1,03	up
5707144	7167700	1293617	coagulation factor VIII, procoagulant component	F8	302470	2,57	up
5705127	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	2,28	down
6247403	7167700	1293607	coagulation factor VIII, procoagulant component	F8	302470	1,93	up
6006381	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,67	up
5959906	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,65	up
5729005	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,63	up
6450091	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,58	down
6366714	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,58	up
6728029	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,52	up
5823923	7167700	1293594	coagulation factor VIII, procoagulant component	F8	302470	1,50	up
6089736	7167700	1293597	coagulation factor VIII, procoagulant component	F8	302470	1,49	up
6442559	7167700	1293597	coagulation factor VIII, procoagulant component	F8	302470	1,46	down
6161399	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,42	up
5659223	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,42	down
5917742	7167700	1293608	coagulation factor VIII, procoagulant component	F8	302470	1,37	down
6153048	7167700	1293596	coagulation factor VIII, procoagulant component	F8	302470	1,33	up
6258969	7167700	1293618	coagulation factor VIII, procoagulant component	F8	302470	1,29	up
6742748	7167700	1293601	coagulation factor VIII, procoagulant component	F8	302470	1,28	down
6146326	7167700	1293609	coagulation factor VIII, procoagulant component	F8	302470	1,27	down
6193128	7167700	1293616	coagulation factor VIII, procoagulant component	F8	302470	1,26	up
6182905	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,25	up
5647390	7167700	1293596	coagulation factor VIII, procoagulant component	F8	302470	1,25	down
6641811	7167700	1293615	coagulation factor VIII, procoagulant component	F8	302470	1,25	down
5814124	7167700	1293616	coagulation factor VIII, procoagulant component	F8	302470	1,20	down
6571549	7167700	1293592	coagulation factor VIII, procoagulant component	F8	302470	1,17	down
6737400	7167700	1293594	coagulation factor VIII, procoagulant component	F8	302470	1,16	up
6231461	7167700	1293611	coagulation factor VIII, procoagulant component	F8	302470	1,15	up
5846618	7167700	1293614	coagulation factor VIII, procoagulant component	F8	302470	1,15	down
5694102	7167700	1293609	coagulation factor VIII, procoagulant component	F8	302470	1,15	up
5885476	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,14	down
5963818	7167700	1293619	coagulation factor VIII, procoagulant component	F8	302470	1,13	down
5857873	7167700	1293599	coagulation factor VIII, procoagulant component	F8	302470	1,12	down
6713645	7167700	1293606	coagulation factor VIII, procoagulant component	F8	302470	1,12	up
5661114	7167700	1293598	coagulation factor VIII, procoagulant component	F8	302470	1,11	up
6368329	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,10	up
5972659	7167700	1293616	coagulation factor VIII, procoagulant component	F8	302470	1,10	down
5934716	7167700	1293593	coagulation factor VIII, procoagulant component	F8	302470	1,10	down
6308684	7167700	1293603	coagulation factor VIII, procoagulant component	F8	302470	1,07	down
6133518	7167700	1293612	coagulation factor VIII, procoagulant component	F8	302470	1,07	up
6296549	7167700	1293608	coagulation factor VIII, procoagulant component	F8	302470	1,05	up
6255430	7167700	1293592	coagulation factor VIII, procoagulant component	F8	302470	1,05	up
6585775	7167700	1293604	coagulation factor VIII, procoagulant component	F8	302470	1,04	down
6258792	7167700	1293593	coagulation factor VIII, procoagulant component	F8	302470	1,03	down
6123930	7167700	1293595	coagulation factor VIII, procoagulant component	F8	302470	1,03	down
6132513	7167700	1293598	coagulation factor VIII, procoagulant component	F8	302470	1,03	down
6734642	7167700	1293597	coagulation factor VIII, procoagulant component	F8	302470	1,02	up
6045915	7167700	1293613	coagulation factor VIII, procoagulant component	F8	302470	1,02	up
6451701	7167700	1293596	coagulation factor VIII, procoagulant component	F8	302470	1,02	up
6115704	7167700	1293600	coagulation factor VIII, procoagulant component	F8	302470	1,02	down
6207162	7167700	1293606	coagulation factor VIII, procoagulant component	F8	302470	1,01	up
5720970	7167700	1293592	coagulation factor VIII, procoagulant component	F8	302470	1,01	down

5828649	7167700	1293610	coagulation factor VIII, procoagulant component	F8	302470	1,00	up
6479765	7167700	1293605	coagulation factor VIII, procoagulant component	F8	302470	1,00	up
6719023	7149934	1250512	coatomer protein complex, subunit epsilon	Cope	290659	2,46	down
6546690	7149934	1250513	coatomer protein complex, subunit epsilon	Cope	290659	1,27	down
6589929	7149934	1250522	coatomer protein complex, subunit epsilon	Cope	290659	1,25	down
5823437	7149934	1250520	coatomer protein complex, subunit epsilon	Cope	290659	1,23	down
6515626	7149934	1250513	coatomer protein complex, subunit epsilon	Cope	290659	1,22	down
5784583	7149934	1250512	coatomer protein complex, subunit epsilon	Cope	290659	1,16	up
5923552	7149934	1250520	coatomer protein complex, subunit epsilon	Cope	290659	1,12	down
5765787	7149934	1250523	coatomer protein complex, subunit epsilon	Cope	290659	1,05	up
6574068	7149934	1250514	coatomer protein complex, subunit epsilon	Cope	290659	1,05	up
6140454	7149934	1250516	coatomer protein complex, subunit epsilon	Cope	290659	1,04	up
6445201	7149934	1250516	coatomer protein complex, subunit epsilon	Cope	290659	1,02	down
6549831	7149934	1250515	coatomer protein complex, subunit epsilon	Cope	290659	1,01	down
6146709	7255911	1512236	coatomer protein complex, subunit gamma	Copg	297428	1,76	down
5685330	7255911	1512211	coatomer protein complex, subunit gamma	Copg	297428	1,76	down
5923643	7255911	1512209	coatomer protein complex, subunit gamma	Copg	297428	1,24	up
6343707	7255911	1512235	coatomer protein complex, subunit gamma	Copg	297428	1,21	down
6378160	7255911	1512214	coatomer protein complex, subunit gamma	Copg	297428	1,20	up
5999693	7255911	1512213	coatomer protein complex, subunit gamma	Copg	297428	1,18	up
5967874	7255911	1512229	coatomer protein complex, subunit gamma	Copg	297428	1,17	up
6267423	7255911	1512235	coatomer protein complex, subunit gamma	Copg	297428	1,16	up
6408821	7255911	1512225	coatomer protein complex, subunit gamma	Copg	297428	1,13	down
6192333	7255911	1512220	coatomer protein complex, subunit gamma	Copg	297428	1,13	down
6137564	7255911	1512233	coatomer protein complex, subunit gamma	Copg	297428	1,13	down
6428660	7255911	1512231	coatomer protein complex, subunit gamma	Copg	297428	1,12	down
6355892	7255911	1512234	coatomer protein complex, subunit gamma	Copg	297428	1,12	up
6204840	7255911	1512226	coatomer protein complex, subunit gamma	Copg	297428	1,08	up
6146269	7255911	1512209	coatomer protein complex, subunit gamma	Copg	297428	1,07	up
6020682	7255911	1512218	coatomer protein complex, subunit gamma	Copg	297428	1,05	up
5620845	7255911	1512229	coatomer protein complex, subunit gamma	Copg	297428	1,05	up
5670268	7255911	1512225	coatomer protein complex, subunit gamma	Copg	297428	1,04	up
6662515	7255911	1512219	coatomer protein complex, subunit gamma	Copg	297428	1,02	down
5949818	7255911	1512232	coatomer protein complex, subunit gamma	Copg	297428	1,02	down
6587437	7255911	1512221	coatomer protein complex, subunit gamma	Copg	297428	1,01	down
6252257	7255911	1512230	coatomer protein complex, subunit gamma	Copg	297428	1,01	up
5765785	7255911	1512228	coatomer protein complex, subunit gamma	Copg	297428	1,01	up
6397582	7255911	1512231	coatomer protein complex, subunit gamma	Copg	297428	1,01	down
5689180	7255911	1512215	coatomer protein complex, subunit gamma	Copg	297428	1,01	down
6351229	7255911	1512227	coatomer protein complex, subunit gamma	Copg	297428	1,00	down
6156495	7255911	1512217	coatomer protein complex, subunit gamma	Copg	297428	1,00	down
6275048	7122140	1182740	coiled coil domain containing 88A	Ccdc88a	305605	1,21	down
6347917	7278715	1569910	coiled-coil domain containing 17	Ccdc17	500528	2,32	up
5705348	7278715	1569916	coiled-coil domain containing 17	Ccdc17	500528	2,13	down
6444118	7278715	1569909	coiled-coil domain containing 17	Ccdc17	500528	1,99	up
6266486	7278715	1569917	coiled-coil domain containing 17	Ccdc17	500528	1,77	down
6518627	7278715	1569910	coiled-coil domain containing 17	Ccdc17	500528	1,73	up
6310434	7278715	1569913	coiled-coil domain containing 17	Ccdc17	500528	1,57	down
5997971	7278715	1569909	coiled-coil domain containing 17	Ccdc17	500528	1,55	up
6359310	7278715	1569914	coiled-coil domain containing 17	Ccdc17	500528	1,53	up
5694789	7278715	1569916	coiled-coil domain containing 17	Ccdc17	500528	1,49	down
6179644	7278715	1569916	coiled-coil domain containing 17	Ccdc17	500528	1,31	up
6575284	7278715	1569912	coiled-coil domain containing 17	Ccdc17	500528	1,23	down
6710956	7278715	1569908	coiled-coil domain containing 17	Ccdc17	500528	1,23	up
5735698	7278715	1569915	coiled-coil domain containing 17	Ccdc17	500528	1,22	up
6248533	7278715	1569914	coiled-coil domain containing 17	Ccdc17	500528	1,21	up
6542894	7278715	1569917	coiled-coil domain containing 17	Ccdc17	500528	1,19	down

6294024	7278715	1569912	coiled-coil domain containing 17	Ccdc17	500528	1,19	down
6378049	7278715	1569914	coiled-coil domain containing 17	Ccdc17	500528	1,17	down
5675260	7278715	1569913	coiled-coil domain containing 17	Ccdc17	500528	1,10	down
5873749	7278715	1569907	coiled-coil domain containing 17	Ccdc17	500528	1,06	down
6236600	7278715	1569909	coiled-coil domain containing 17	Ccdc17	500528	1,05	down
5755335	7278715	1569916	coiled-coil domain containing 17	Ccdc17	500528	1,04	up
5868414	7278715	1569914	coiled-coil domain containing 17	Ccdc17	500528	1,04	down
6438312	7278715	1569907	coiled-coil domain containing 17	Ccdc17	500528	1,04	down
5873604	7278715	1569911	coiled-coil domain containing 17	Ccdc17	500528	1,02	down
6465809	7278715	1569916	coiled-coil domain containing 17	Ccdc17	500528	1,01	up
5716977	7278715	1569914	coiled-coil domain containing 17	Ccdc17	500528	1,00	up
6744713	7291828	1600928	coiled-coil domain containing 21	Ccdc21	362622	2,11	down
5840082	7291828	1600932	coiled-coil domain containing 21	Ccdc21	362622	1,57	down
6655025	7291828	1600930	coiled-coil domain containing 21	Ccdc21	362622	1,53	up
6507244	7291828	1600928	coiled-coil domain containing 21	Ccdc21	362622	1,52	down
6051537	7291828	1600928	coiled-coil domain containing 21	Ccdc21	362622	1,34	up
6737720	7291828	1600925	coiled-coil domain containing 21	Ccdc21	362622	1,33	up
6502605	7291828	1600927	coiled-coil domain containing 21	Ccdc21	362622	1,28	up
5932762	7291828	1600924	coiled-coil domain containing 21	Ccdc21	362622	1,28	down
6286788	7291828	1600933	coiled-coil domain containing 21	Ccdc21	362622	1,28	down
6506958	7291828	1600924	coiled-coil domain containing 21	Ccdc21	362622	1,26	up
6132591	7291828	1600929	coiled-coil domain containing 21	Ccdc21	362622	1,22	down
5738364	7291828	1600929	coiled-coil domain containing 21	Ccdc21	362622	1,22	up
6461670	7291828	1600937	coiled-coil domain containing 21	Ccdc21	362622	1,18	down
6446827	7291828	1600934	coiled-coil domain containing 21	Ccdc21	362622	1,14	up
5626369	7291828	1600940	coiled-coil domain containing 21	Ccdc21	362622	1,12	down
6480158	7291828	1600934	coiled-coil domain containing 21	Ccdc21	362622	1,07	down
6228389	7291828	1600934	coiled-coil domain containing 21	Ccdc21	362622	1,05	up
6340363	7291828	1600935	coiled-coil domain containing 21	Ccdc21	362622	1,03	up
6705427	7291828	1600934	coiled-coil domain containing 21	Ccdc21	362622	1,03	down
6586759	7291828	1600931	coiled-coil domain containing 21	Ccdc21	362622	1,02	down
6143078	7346285	1735719	coiled-coil domain containing 33	Ccdc33	315712	2,11	up
5767478	7346285	1735725	coiled-coil domain containing 33	Ccdc33	315712	1,92	up
6372134	7346285	1735735	coiled-coil domain containing 33	Ccdc33	315712	1,56	down
6373399	7346285	1735729	coiled-coil domain containing 33	Ccdc33	315712	1,51	down
5764026	7346285	1735731	coiled-coil domain containing 33	Ccdc33	315712	1,46	up
6204824	7346285	1735723	coiled-coil domain containing 33	Ccdc33	315712	1,45	up
6434297	7346285	1735733	coiled-coil domain containing 33	Ccdc33	315712	1,44	up
5745742	7346285	1735720	coiled-coil domain containing 33	Ccdc33	315712	1,41	down
6422543	7346285	1735722	coiled-coil domain containing 33	Ccdc33	315712	1,31	down
6478392	7346285	1735732	coiled-coil domain containing 33	Ccdc33	315712	1,31	up
5808774	7346285	1735726	coiled-coil domain containing 33	Ccdc33	315712	1,31	up
6379522	7346285	1735736	coiled-coil domain containing 33	Ccdc33	315712	1,23	up
6570170	7346285	1735728	coiled-coil domain containing 33	Ccdc33	315712	1,15	up
6274797	7346285	1735738	coiled-coil domain containing 33	Ccdc33	315712	1,15	down
5746124	7346285	1735719	coiled-coil domain containing 33	Ccdc33	315712	1,10	down
5750871	7346285	1735719	coiled-coil domain containing 33	Ccdc33	315712	1,08	up
6740486	7346285	1735723	coiled-coil domain containing 33	Ccdc33	315712	1,05	up
5651798	7346285	1735730	coiled-coil domain containing 33	Ccdc33	315712	1,04	down
6421265	7346285	1735737	coiled-coil domain containing 33	Ccdc33	315712	1,02	up
6511437	7346285	1735724	coiled-coil domain containing 33	Ccdc33	315712	1,02	up
5977336	7346285	1735732	coiled-coil domain containing 33	Ccdc33	315712	1,02	down
6407188	7346285	1735727	coiled-coil domain containing 33	Ccdc33	315712	1,01	down
5659903	7346285	1735734	coiled-coil domain containing 33	Ccdc33	315712	1,00	down
6202153	7346285	1735721	coiled-coil domain containing 33	Ccdc33	315712	1,00	down
5718838	7267204	1539857	coiled-coil domain containing 37	Ccdc37	297444	1,04	down
5876490	7313913	1656886	coiled-coil domain containing 41	Ccdc41	366872	2,11	up

5819212	7313913	1656895	coiled-coil domain containing 41	Ccdc41	366872	1,77	down
5977325	7313913	1656887	coiled-coil domain containing 41	Ccdc41	366872	1,71	up
5916266	7313913	1656892	coiled-coil domain containing 41	Ccdc41	366872	1,62	down
6718167	7313913	1656885	coiled-coil domain containing 41	Ccdc41	366872	1,60	up
5737372	7313913	1656884	coiled-coil domain containing 41	Ccdc41	366872	1,55	up
6486802	7313913	1656890	coiled-coil domain containing 41	Ccdc41	366872	1,52	down
5852812	7313913	1656895	coiled-coil domain containing 41	Ccdc41	366872	1,43	down
6173794	7313913	1656883	coiled-coil domain containing 41	Ccdc41	366872	1,31	up
6412129	7313913	1656882	coiled-coil domain containing 41	Ccdc41	366872	1,29	down
5683092	7313913	1656888	coiled-coil domain containing 41	Ccdc41	366872	1,25	up
6615220	7313913	1656891	coiled-coil domain containing 41	Ccdc41	366872	1,24	down
6292058	7313913	1656880	coiled-coil domain containing 41	Ccdc41	366872	1,21	up
6347034	7313913	1656889	coiled-coil domain containing 41	Ccdc41	366872	1,19	down
6222089	7313913	1656893	coiled-coil domain containing 41	Ccdc41	366872	1,16	down
5980948	7313913	1656894	coiled-coil domain containing 41	Ccdc41	366872	1,09	up
6429648	7313913	1656891	coiled-coil domain containing 41	Ccdc41	366872	1,09	up
6424571	7313913	1656885	coiled-coil domain containing 41	Ccdc41	366872	1,09	down
6418011	7313913	1656896	coiled-coil domain containing 41	Ccdc41	366872	1,05	down
6045092	7313913	1656881	coiled-coil domain containing 41	Ccdc41	366872	1,01	down
6686336	7098831	1124865	coiled-coil domain containing 60	Ccdc60	498190	1,46	down
6103122	7098831	1124832	coiled-coil domain containing 60	Ccdc60	498190	1,28	down
6213052	7098831	1124856	coiled-coil domain containing 60	Ccdc60	498190	1,23	down
6176097	7098831	1124858	coiled-coil domain containing 60	Ccdc60	498190	1,13	up
6573416	7098831	1124866	coiled-coil domain containing 60	Ccdc60	498190	1,11	up
6159120	7098831	1124851	coiled-coil domain containing 60	Ccdc60	498190	1,07	up
6512949	7098831	1124832	coiled-coil domain containing 60	Ccdc60	498190	1,06	up
6620891	7098831	1124864	coiled-coil domain containing 60	Ccdc60	498190	1,04	down
6511878	7098831	1124867	coiled-coil domain containing 60	Ccdc60	498190	1,03	down
6490389	7098867	1124962	coiled-coil domain containing 64	Ccdc64	304537	2,41	up
6316201	7098867	1124933	coiled-coil domain containing 64	Ccdc64	304537	1,26	down
6469336	7098867	1124962	coiled-coil domain containing 64	Ccdc64	304537	1,15	up
6693090	7098867	1124946	coiled-coil domain containing 64	Ccdc64	304537	1,12	down
6117779	7098867	1124956	coiled-coil domain containing 64	Ccdc64	304537	1,12	down
6612899	7098867	1124959	coiled-coil domain containing 64	Ccdc64	304537	1,11	up
5651472	7098867	1124933	coiled-coil domain containing 64	Ccdc64	304537	1,08	up
6746728	7098867	1124946	coiled-coil domain containing 64	Ccdc64	304537	1,06	up
6482610	7098867	1124929	coiled-coil domain containing 64	Ccdc64	304537	1,02	up
6032275	7309734	1646942	coiled-coil domain containing 88C	Ccdc88c	362770	1,28	down
6688052	7309734	1646874	coiled-coil domain containing 88C	Ccdc88c	362770	1,11	down
6169425	7156372	1266715	coiled-coil domain containing 90A	Ccdc90a	291034	1,01	up
5657995	7057344	1025667	coiled-coil domain containing 95	Ccdc95	293494	2,61	down
5700150	7057344	1025667	coiled-coil domain containing 95	Ccdc95	293494	1,33	down
6086389	7057344	1025666	coiled-coil domain containing 95	Ccdc95	293494	1,28	down
5686022	7057344	1025669	coiled-coil domain containing 95	Ccdc95	293494	1,24	down
6280546	7057344	1025672	coiled-coil domain containing 95	Ccdc95	293494	1,23	down
5881676	7057344	1025667	coiled-coil domain containing 95	Ccdc95	293494	1,20	up
5709303	7057344	1025667	coiled-coil domain containing 95	Ccdc95	293494	1,14	down
6337451	7057344	1025670	coiled-coil domain containing 95	Ccdc95	293494	1,10	down
6274873	7057344	1025668	coiled-coil domain containing 95	Ccdc95	293494	1,08	up
6406826	7057344	1025673	coiled-coil domain containing 95	Ccdc95	293494	1,07	up
5826335	7057344	1025668	coiled-coil domain containing 95	Ccdc95	293494	1,00	up
6556573	7057344	1025671	coiled-coil domain containing 95	Ccdc95	293494	1,00	up
5945310	7270243	1547793	cold shock domain protein A	Csda	83807	2,81	down
6320596	7270243	1547795	cold shock domain protein A	Csda	83807	1,98	down
6033920	7270243	1547785	cold shock domain protein A	Csda	83807	1,53	down
5727325	7270243	1547792	cold shock domain protein A	Csda	83807	1,36	down
6602501	7270243	1547791	cold shock domain protein A	Csda	83807	1,34	up

6484162	7270243	1547795	cold shock domain protein A	Csda	83807	1,23	down
5949930	7270243	1547787	cold shock domain protein A	Csda	83807	1,22	up
6031996	7270243	1547786	cold shock domain protein A	Csda	83807	1,18	up
6243164	7270243	1547785	cold shock domain protein A	Csda	83807	1,14	up
5879921	7270243	1547796	cold shock domain protein A	Csda	83807	1,14	down
6165138	7270243	1547789	cold shock domain protein A	Csda	83807	1,10	up
6376326	7270243	1547794	cold shock domain protein A	Csda	83807	1,08	down
6587831	7270243	1547790	cold shock domain protein A	Csda	83807	1,07	down
6257602	7270243	1547788	cold shock domain protein A	Csda	83807	1,03	up
5978032	7331446	1699301	collagen, type II, alpha 1	Col2a1	25412	2,92	up
5822897	7331446	1699340	collagen, type II, alpha 1	Col2a1	25412	2,45	up
6295629	7331446	1699319	collagen, type II, alpha 1	Col2a1	25412	2,34	down
5631499	7331446	1699335	collagen, type II, alpha 1	Col2a1	25412	2,05	up
6173981	7331446	1699308	collagen, type II, alpha 1	Col2a1	25412	1,96	up
5758459	7331446	1699327	collagen, type II, alpha 1	Col2a1	25412	1,92	down
5810477	7331446	1699311	collagen, type II, alpha 1	Col2a1	25412	1,90	up
6174598	7331446	1699338	collagen, type II, alpha 1	Col2a1	25412	1,75	up
6640310	7331446	1699330	collagen, type II, alpha 1	Col2a1	25412	1,67	up
6566173	7331446	1699334	collagen, type II, alpha 1	Col2a1	25412	1,60	up
5988224	7331446	1699343	collagen, type II, alpha 1	Col2a1	25412	1,53	down
5927230	7331446	1699321	collagen, type II, alpha 1	Col2a1	25412	1,49	up
6517716	7331446	1699346	collagen, type II, alpha 1	Col2a1	25412	1,49	up
6324997	7331446	1699313	collagen, type II, alpha 1	Col2a1	25412	1,49	up
6700077	7331446	1699347	collagen, type II, alpha 1	Col2a1	25412	1,46	down
6482024	7331446	1699312	collagen, type II, alpha 1	Col2a1	25412	1,45	up
6239575	7331446	1699336	collagen, type II, alpha 1	Col2a1	25412	1,43	down
5828615	7331446	1699318	collagen, type II, alpha 1	Col2a1	25412	1,40	up
5790345	7331446	1699342	collagen, type II, alpha 1	Col2a1	25412	1,40	down
6626325	7331446	1699322	collagen, type II, alpha 1	Col2a1	25412	1,39	down
6707301	7331446	1699331	collagen, type II, alpha 1	Col2a1	25412	1,38	up
6221205	7331446	1699309	collagen, type II, alpha 1	Col2a1	25412	1,35	down
5795387	7331446	1699313	collagen, type II, alpha 1	Col2a1	25412	1,34	up
5777712	7331446	1699326	collagen, type II, alpha 1	Col2a1	25412	1,30	down
6599008	7331446	1699298	collagen, type II, alpha 1	Col2a1	25412	1,24	down
5671297	7331446	1699325	collagen, type II, alpha 1	Col2a1	25412	1,22	down
5871070	7331446	1699344	collagen, type II, alpha 1	Col2a1	25412	1,21	down
6278238	7331446	1699315	collagen, type II, alpha 1	Col2a1	25412	1,21	down
6663354	7331446	1699307	collagen, type II, alpha 1	Col2a1	25412	1,20	down
6608512	7331446	1699345	collagen, type II, alpha 1	Col2a1	25412	1,20	down
6172040	7331446	1699306	collagen, type II, alpha 1	Col2a1	25412	1,19	up
5639735	7331446	1699330	collagen, type II, alpha 1	Col2a1	25412	1,19	up
5854220	7331446	1699333	collagen, type II, alpha 1	Col2a1	25412	1,18	down
6151999	7331446	1699310	collagen, type II, alpha 1	Col2a1	25412	1,18	up
6257035	7331446	1699304	collagen, type II, alpha 1	Col2a1	25412	1,16	down
6392381	7331446	1699323	collagen, type II, alpha 1	Col2a1	25412	1,14	down
6217065	7331446	1699339	collagen, type II, alpha 1	Col2a1	25412	1,14	up
6327101	7331446	1699300	collagen, type II, alpha 1	Col2a1	25412	1,14	down
5780540	7331446	1699314	collagen, type II, alpha 1	Col2a1	25412	1,13	up
6382321	7331446	1699297	collagen, type II, alpha 1	Col2a1	25412	1,12	up
5667428	7331446	1699316	collagen, type II, alpha 1	Col2a1	25412	1,12	up
6625080	7331446	1699341	collagen, type II, alpha 1	Col2a1	25412	1,12	down
6703722	7331446	1699296	collagen, type II, alpha 1	Col2a1	25412	1,12	up
6187179	7331446	1699299	collagen, type II, alpha 1	Col2a1	25412	1,12	down
5679814	7331446	1699317	collagen, type II, alpha 1	Col2a1	25412	1,09	down
6450578	7331446	1699302	collagen, type II, alpha 1	Col2a1	25412	1,09	up
6094200	7331446	1699296	collagen, type II, alpha 1	Col2a1	25412	1,07	down
6008792	7331446	1699332	collagen, type II, alpha 1	Col2a1	25412	1,07	down

6049346	7331446	1699328	collagen, type II, alpha 1	Col2a1	25412	1,06	up
5619738	7331446	1699320	collagen, type II, alpha 1	Col2a1	25412	1,05	up
6542787	7331446	1699348	collagen, type II, alpha 1	Col2a1	25412	1,04	down
6171453	7331446	1699324	collagen, type II, alpha 1	Col2a1	25412	1,04	down
6076085	7331446	1699303	collagen, type II, alpha 1	Col2a1	25412	1,04	down
6023937	7331446	1699305	collagen, type II, alpha 1	Col2a1	25412	1,03	up
6210051	7331446	1699348	collagen, type II, alpha 1	Col2a1	25412	1,02	down
6649444	7331446	1699337	collagen, type II, alpha 1	Col2a1	25412	1,02	up
6136224	7331446	1699307	collagen, type II, alpha 1	Col2a1	25412	1,01	down
5690049	7331446	1699329	collagen, type II, alpha 1	Col2a1	25412	1,01	up
6558733	7147828	1245514	collagen, type IV, alpha 1	Col4a1	290905	2,49	up
6580970	7147828	1245538	collagen, type IV, alpha 1	Col4a1	290905	2,20	up
6087471	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	2,05	down
6257377	7147828	1245556	collagen, type IV, alpha 1	Col4a1	290905	1,98	down
6258844	7147828	1245546	collagen, type IV, alpha 1	Col4a1	290905	1,94	up
6323465	7147828	1245532	collagen, type IV, alpha 1	Col4a1	290905	1,93	down
6017768	7147828	1245568	collagen, type IV, alpha 1	Col4a1	290905	1,73	up
5827476	7147828	1245544	collagen, type IV, alpha 1	Col4a1	290905	1,67	down
5733585	7147828	1245519	collagen, type IV, alpha 1	Col4a1	290905	1,63	down
6616618	7147828	1245563	collagen, type IV, alpha 1	Col4a1	290905	1,60	down
5973393	7147828	1245545	collagen, type IV, alpha 1	Col4a1	290905	1,55	up
6500794	7147828	1245559	collagen, type IV, alpha 1	Col4a1	290905	1,53	down
6391328	7147828	1245527	collagen, type IV, alpha 1	Col4a1	290905	1,53	up
6119679	7147828	1245517	collagen, type IV, alpha 1	Col4a1	290905	1,52	up
5791333	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,49	up
5989129	7147828	1245543	collagen, type IV, alpha 1	Col4a1	290905	1,47	down
6683898	7147828	1245547	collagen, type IV, alpha 1	Col4a1	290905	1,46	up
5970291	7147828	1245534	collagen, type IV, alpha 1	Col4a1	290905	1,41	down
5748661	7147828	1245532	collagen, type IV, alpha 1	Col4a1	290905	1,37	down
6300989	7147828	1245535	collagen, type IV, alpha 1	Col4a1	290905	1,35	up
5970497	7147828	1245540	collagen, type IV, alpha 1	Col4a1	290905	1,34	up
6101702	7147828	1245521	collagen, type IV, alpha 1	Col4a1	290905	1,33	down
6071861	7147828	1245549	collagen, type IV, alpha 1	Col4a1	290905	1,32	up
6556680	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,32	down
5856209	7147828	1245533	collagen, type IV, alpha 1	Col4a1	290905	1,31	up
5679363	7147828	1245520	collagen, type IV, alpha 1	Col4a1	290905	1,31	up
5991337	7147828	1245515	collagen, type IV, alpha 1	Col4a1	290905	1,30	down
6313448	7147828	1245513	collagen, type IV, alpha 1	Col4a1	290905	1,30	down
6250748	7147828	1245539	collagen, type IV, alpha 1	Col4a1	290905	1,28	up
6162775	7147828	1245548	collagen, type IV, alpha 1	Col4a1	290905	1,27	up
5649845	7147828	1245553	collagen, type IV, alpha 1	Col4a1	290905	1,22	down
5923227	7147828	1245512	collagen, type IV, alpha 1	Col4a1	290905	1,22	down
6327269	7147828	1245525	collagen, type IV, alpha 1	Col4a1	290905	1,21	up
6470142	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,20	up
6324401	7147828	1245550	collagen, type IV, alpha 1	Col4a1	290905	1,20	up
6588263	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,20	up
6054629	7147828	1245547	collagen, type IV, alpha 1	Col4a1	290905	1,20	up
5882928	7147828	1245542	collagen, type IV, alpha 1	Col4a1	290905	1,19	up
6443817	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,17	up
6096351	7147828	1245557	collagen, type IV, alpha 1	Col4a1	290905	1,17	down
5948146	7147828	1245560	collagen, type IV, alpha 1	Col4a1	290905	1,15	up
6048586	7147828	1245530	collagen, type IV, alpha 1	Col4a1	290905	1,14	up
6606913	7147828	1245554	collagen, type IV, alpha 1	Col4a1	290905	1,14	down
5663204	7147828	1245565	collagen, type IV, alpha 1	Col4a1	290905	1,13	up
5675487	7147828	1245496	collagen, type IV, alpha 1	Col4a1	290905	1,13	up
6099922	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,10	up
6620335	7147828	1245569	collagen, type IV, alpha 1	Col4a1	290905	1,10	up

6413101	7147828	1245564	collagen, type IV, alpha 1	Col4a1	290905	1,08	up
6724160	7147828	1245558	collagen, type IV, alpha 1	Col4a1	290905	1,08	down
5927023	7147828	1245518	collagen, type IV, alpha 1	Col4a1	290905	1,08	up
6261091	7147828	1245552	collagen, type IV, alpha 1	Col4a1	290905	1,07	down
6002773	7147828	1245523	collagen, type IV, alpha 1	Col4a1	290905	1,07	up
6107636	7147828	1245522	collagen, type IV, alpha 1	Col4a1	290905	1,07	down
6129793	7147828	1245526	collagen, type IV, alpha 1	Col4a1	290905	1,05	down
6163403	7147828	1245506	collagen, type IV, alpha 1	Col4a1	290905	1,05	up
5764486	7147828	1245531	collagen, type IV, alpha 1	Col4a1	290905	1,04	down
6117613	7147828	1245562	collagen, type IV, alpha 1	Col4a1	290905	1,04	down
6284999	7147828	1245567	collagen, type IV, alpha 1	Col4a1	290905	1,04	down
5790087	7147828	1245549	collagen, type IV, alpha 1	Col4a1	290905	1,04	up
6077691	7147828	1245516	collagen, type IV, alpha 1	Col4a1	290905	1,02	down
6339035	7147828	1245561	collagen, type IV, alpha 1	Col4a1	290905	1,02	up
5759743	7147828	1245541	collagen, type IV, alpha 1	Col4a1	290905	1,01	down
5816622	7147828	1245496	collagen, type IV, alpha 1	Col4a1	290905	1,01	up
6484590	7147828	1245554	collagen, type IV, alpha 1	Col4a1	290905	1,01	up
5893147	7380497	1821876	collagen, type IV, alpha 5	Col4a5	363457	1,47	down
6610834	7380497	1821880	collagen, type IV, alpha 5	Col4a5	363457	1,31	down
6183768	7380497	1821821	collagen, type IV, alpha 5	Col4a5	363457	1,16	up
5664849	7380497	1821880	collagen, type IV, alpha 5	Col4a5	363457	1,13	up
6422513	7225634	1436224	collagen, type V, alpha 1	Col5a1	85490	3,55	up
5781921	7225634	1436222	collagen, type V, alpha 1	Col5a1	85490	2,48	up
6301299	7225634	1436211	collagen, type V, alpha 1	Col5a1	85490	2,48	down
5788081	7225634	1436230	collagen, type V, alpha 1	Col5a1	85490	2,18	down
6602721	7225634	1436196	collagen, type V, alpha 1	Col5a1	85490	2,09	up
5626266	7225634	1436226	collagen, type V, alpha 1	Col5a1	85490	2,05	up
6022529	7225634	1436208	collagen, type V, alpha 1	Col5a1	85490	1,84	down
6548293	7225634	1436237	collagen, type V, alpha 1	Col5a1	85490	1,83	down
6276516	7225634	1436227	collagen, type V, alpha 1	Col5a1	85490	1,74	down
6190966	7225634	1436207	collagen, type V, alpha 1	Col5a1	85490	1,74	down
6324302	7225634	1436220	collagen, type V, alpha 1	Col5a1	85490	1,68	up
6149553	7225634	1436214	collagen, type V, alpha 1	Col5a1	85490	1,65	up
5733751	7225634	1436194	collagen, type V, alpha 1	Col5a1	85490	1,63	up
5910881	7225634	1436236	collagen, type V, alpha 1	Col5a1	85490	1,59	down
6594881	7225634	1436243	collagen, type V, alpha 1	Col5a1	85490	1,58	up
6595295	7225634	1436229	collagen, type V, alpha 1	Col5a1	85490	1,57	up
6106625	7225634	1436189	collagen, type V, alpha 1	Col5a1	85490	1,49	up
5952809	7225634	1436219	collagen, type V, alpha 1	Col5a1	85490	1,46	up
6245158	7225634	1436191	collagen, type V, alpha 1	Col5a1	85490	1,46	down
6204707	7225634	1436231	collagen, type V, alpha 1	Col5a1	85490	1,44	up
6410519	7225634	1436232	collagen, type V, alpha 1	Col5a1	85490	1,40	down
6162946	7225634	1436245	collagen, type V, alpha 1	Col5a1	85490	1,40	up
6197868	7225634	1436205	collagen, type V, alpha 1	Col5a1	85490	1,40	down
5714287	7225634	1436248	collagen, type V, alpha 1	Col5a1	85490	1,39	down
6591656	7225634	1436202	collagen, type V, alpha 1	Col5a1	85490	1,34	down
5800033	7225634	1436193	collagen, type V, alpha 1	Col5a1	85490	1,32	up
6656005	7225634	1436198	collagen, type V, alpha 1	Col5a1	85490	1,31	down
6073554	7225634	1436221	collagen, type V, alpha 1	Col5a1	85490	1,30	down
5668831	7225634	1436190	collagen, type V, alpha 1	Col5a1	85490	1,27	down
6294259	7225634	1436215	collagen, type V, alpha 1	Col5a1	85490	1,27	up
5665108	7225634	1436225	collagen, type V, alpha 1	Col5a1	85490	1,20	down
6497090	7225634	1436206	collagen, type V, alpha 1	Col5a1	85490	1,20	down
5962789	7225634	1436201	collagen, type V, alpha 1	Col5a1	85490	1,20	down
6277341	7225634	1436209	collagen, type V, alpha 1	Col5a1	85490	1,19	down
6515347	7225634	1436249	collagen, type V, alpha 1	Col5a1	85490	1,17	up
6151812	7225634	1436203	collagen, type V, alpha 1	Col5a1	85490	1,16	up

6082265	7225634	1436234	collagen, type V, alpha 1	Col5a1	85490	1,16	down
6462858	7225634	1436199	collagen, type V, alpha 1	Col5a1	85490	1,16	up
6187772	7225634	1436233	collagen, type V, alpha 1	Col5a1	85490	1,16	down
5870468	7225634	1436210	collagen, type V, alpha 1	Col5a1	85490	1,14	up
6563026	7225634	1436240	collagen, type V, alpha 1	Col5a1	85490	1,14	down
6721783	7225634	1436213	collagen, type V, alpha 1	Col5a1	85490	1,13	up
5754900	7225634	1436244	collagen, type V, alpha 1	Col5a1	85490	1,13	down
5795909	7225634	1436238	collagen, type V, alpha 1	Col5a1	85490	1,13	down
5872714	7225634	1436246	collagen, type V, alpha 1	Col5a1	85490	1,13	down
6341600	7225634	1436235	collagen, type V, alpha 1	Col5a1	85490	1,13	up
6631708	7225634	1436204	collagen, type V, alpha 1	Col5a1	85490	1,13	up
6499816	7225634	1436195	collagen, type V, alpha 1	Col5a1	85490	1,10	up
5777419	7225634	1436223	collagen, type V, alpha 1	Col5a1	85490	1,09	down
6230883	7225634	1436250	collagen, type V, alpha 1	Col5a1	85490	1,08	up
6701087	7225634	1436212	collagen, type V, alpha 1	Col5a1	85490	1,06	down
6161716	7225634	1436247	collagen, type V, alpha 1	Col5a1	85490	1,06	up
6246649	7225634	1436188	collagen, type V, alpha 1	Col5a1	85490	1,06	up
6660241	7225634	1436200	collagen, type V, alpha 1	Col5a1	85490	1,06	down
6687133	7225634	1436228	collagen, type V, alpha 1	Col5a1	85490	1,05	up
6383035	7225634	1436197	collagen, type V, alpha 1	Col5a1	85490	1,04	down
6043958	7225634	1436239	collagen, type V, alpha 1	Col5a1	85490	1,02	up
5881168	7225634	1436216	collagen, type V, alpha 1	Col5a1	85490	1,02	down
5693876	7225634	1436218	collagen, type V, alpha 1	Col5a1	85490	1,01	up
6689769	7225634	1436242	collagen, type V, alpha 1	Col5a1	85490	1,00	up
5917648	7225634	1436251	collagen, type V, alpha 1	Col5a1	85490	1,00	down
5809976	7225634	1436241	collagen, type V, alpha 1	Col5a1	85490	1,00	up
6026445	7225634	1436192	collagen, type V, alpha 1	Col5a1	85490	1,00	up
5960494	7225634	1436187	collagen, type V, alpha 1	Col5a1	85490	1,00	down
5686344	7361881	1773915	collagen, type V, alpha 2	Col5a2	85250	2,28	up
5692015	7361881	1773921	collagen, type V, alpha 2	Col5a2	85250	1,87	down
6520371	7361881	1773920	collagen, type V, alpha 2	Col5a2	85250	1,63	down
6723414	7361881	1773919	collagen, type V, alpha 2	Col5a2	85250	1,26	up
6695787	7361881	1773917	collagen, type V, alpha 2	Col5a2	85250	1,19	up
6093885	7361881	1773922	collagen, type V, alpha 2	Col5a2	85250	1,10	down
6208061	7361881	1773913	collagen, type V, alpha 2	Col5a2	85250	1,09	up
5623563	7361881	1773914	collagen, type V, alpha 2	Col5a2	85250	1,05	down
6549686	7361881	1773923	collagen, type V, alpha 2	Col5a2	85250	1,05	up
5708856	7361881	1773913	collagen, type V, alpha 2	Col5a2	85250	1,03	down
6492007	7361881	1773916	collagen, type V, alpha 2	Col5a2	85250	1,02	up
5882683	7361881	1773918	collagen, type V, alpha 2	Col5a2	85250	1,01	up
6573886	7342881	1727097	collagen, type V, alpha 3	Col5a3	60379	2,48	down
6227288	7342881	1727082	collagen, type V, alpha 3	Col5a3	60379	2,01	up
6619847	7342881	1727070	collagen, type V, alpha 3	Col5a3	60379	2,00	down
6657870	7342881	1727068	collagen, type V, alpha 3	Col5a3	60379	1,84	down
6184521	7342881	1727106	collagen, type V, alpha 3	Col5a3	60379	1,76	down
6460970	7342881	1727118	collagen, type V, alpha 3	Col5a3	60379	1,75	down
6602045	7342881	1727091	collagen, type V, alpha 3	Col5a3	60379	1,65	down
6420832	7342881	1727109	collagen, type V, alpha 3	Col5a3	60379	1,63	up
6409266	7342881	1727128	collagen, type V, alpha 3	Col5a3	60379	1,63	up
6511083	7342881	1727090	collagen, type V, alpha 3	Col5a3	60379	1,62	down
6128024	7342881	1727110	collagen, type V, alpha 3	Col5a3	60379	1,57	down
6669838	7342881	1727073	collagen, type V, alpha 3	Col5a3	60379	1,50	up
6080046	7342881	1727071	collagen, type V, alpha 3	Col5a3	60379	1,50	up
5964683	7342881	1727130	collagen, type V, alpha 3	Col5a3	60379	1,46	down
6403327	7342881	1727113	collagen, type V, alpha 3	Col5a3	60379	1,43	down
6669533	7342881	1727108	collagen, type V, alpha 3	Col5a3	60379	1,42	down
6482146	7342881	1727098	collagen, type V, alpha 3	Col5a3	60379	1,41	up

6184001	7342881	1727089	collagen, type V, alpha 3	Col5a3	60379	1,38	down
6529033	7342881	1727081	collagen, type V, alpha 3	Col5a3	60379	1,38	up
6344012	7342881	1727095	collagen, type V, alpha 3	Col5a3	60379	1,37	down
6658534	7342881	1727121	collagen, type V, alpha 3	Col5a3	60379	1,35	down
6697258	7342881	1727084	collagen, type V, alpha 3	Col5a3	60379	1,34	down
5768782	7342881	1727126	collagen, type V, alpha 3	Col5a3	60379	1,32	down
5939099	7342881	1727131	collagen, type V, alpha 3	Col5a3	60379	1,31	up
6536673	7342881	1727083	collagen, type V, alpha 3	Col5a3	60379	1,30	up
6687570	7342881	1727078	collagen, type V, alpha 3	Col5a3	60379	1,29	down
6069826	7342881	1727114	collagen, type V, alpha 3	Col5a3	60379	1,26	down
6140894	7342881	1727100	collagen, type V, alpha 3	Col5a3	60379	1,26	up
6322439	7342881	1727115	collagen, type V, alpha 3	Col5a3	60379	1,25	up
5807679	7342881	1727104	collagen, type V, alpha 3	Col5a3	60379	1,24	down
5982025	7342881	1727127	collagen, type V, alpha 3	Col5a3	60379	1,24	up
6363294	7342881	1727069	collagen, type V, alpha 3	Col5a3	60379	1,23	up
6518975	7342881	1727129	collagen, type V, alpha 3	Col5a3	60379	1,22	down
5868624	7342881	1727093	collagen, type V, alpha 3	Col5a3	60379	1,20	down
6361312	7342881	1727105	collagen, type V, alpha 3	Col5a3	60379	1,20	down
6568216	7342881	1727072	collagen, type V, alpha 3	Col5a3	60379	1,18	down
6693103	7342881	1727107	collagen, type V, alpha 3	Col5a3	60379	1,17	up
5690004	7342881	1727096	collagen, type V, alpha 3	Col5a3	60379	1,17	down
5853929	7342881	1727092	collagen, type V, alpha 3	Col5a3	60379	1,15	down
5826414	7342881	1727102	collagen, type V, alpha 3	Col5a3	60379	1,14	down
5653467	7342881	1727067	collagen, type V, alpha 3	Col5a3	60379	1,13	up
5934837	7342881	1727116	collagen, type V, alpha 3	Col5a3	60379	1,12	up
6253297	7342881	1727099	collagen, type V, alpha 3	Col5a3	60379	1,11	down
6192991	7342881	1727077	collagen, type V, alpha 3	Col5a3	60379	1,10	down
6141694	7342881	1727088	collagen, type V, alpha 3	Col5a3	60379	1,10	down
6321458	7342881	1727103	collagen, type V, alpha 3	Col5a3	60379	1,09	down
6210971	7342881	1727085	collagen, type V, alpha 3	Col5a3	60379	1,09	down
5830447	7342881	1727075	collagen, type V, alpha 3	Col5a3	60379	1,07	up
5892115	7342881	1727120	collagen, type V, alpha 3	Col5a3	60379	1,07	up
6585120	7342881	1727074	collagen, type V, alpha 3	Col5a3	60379	1,07	up
6038774	7342881	1727123	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6245202	7342881	1727111	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6412942	7342881	1727074	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6418762	7342881	1727112	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6583119	7342881	1727117	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6706476	7342881	1727076	collagen, type V, alpha 3	Col5a3	60379	1,06	up
5890397	7342881	1727132	collagen, type V, alpha 3	Col5a3	60379	1,06	up
6715093	7342881	1727087	collagen, type V, alpha 3	Col5a3	60379	1,05	up
5665622	7342881	1727080	collagen, type V, alpha 3	Col5a3	60379	1,05	up
6064942	7342881	1727101	collagen, type V, alpha 3	Col5a3	60379	1,05	down
6351771	7342881	1727066	collagen, type V, alpha 3	Col5a3	60379	1,05	up
6491462	7342881	1727125	collagen, type V, alpha 3	Col5a3	60379	1,04	up
5917822	7342881	1727070	collagen, type V, alpha 3	Col5a3	60379	1,04	down
6546160	7342881	1727094	collagen, type V, alpha 3	Col5a3	60379	1,04	down
5771313	7342881	1727086	collagen, type V, alpha 3	Col5a3	60379	1,03	down
5805219	7342881	1727119	collagen, type V, alpha 3	Col5a3	60379	1,02	down
6616788	7342881	1727079	collagen, type V, alpha 3	Col5a3	60379	1,02	down
6109638	7342881	1727124	collagen, type V, alpha 3	Col5a3	60379	1,02	up
6741528	7342881	1727122	collagen, type V, alpha 3	Col5a3	60379	1,01	up
5877919	7342881	1727065	collagen, type V, alpha 3	Col5a3	60379	1,00	up
5796285	7217679	1417291	collagen, type VI, alpha 1	Col6a1	294337	1,29	down
6335226	7219304	1421276	collagen, type X, alpha 1	Col10a1	25681	3,01	down
6577327	7219304	1421277	collagen, type X, alpha 1	Col10a1	25681	1,65	down
6700638	7219304	1421275	collagen, type X, alpha 1	Col10a1	25681	1,30	up

5678373	7219304	1421275	collagen, type X, alpha 1	Coll10a1	25681	1,16	up
6102769	7219304	1421275	collagen, type X, alpha 1	Coll10a1	25681	1,13	down
5935315	7219304	1421277	collagen, type X, alpha 1	Coll10a1	25681	1,13	down
6738512	7219304	1421275	collagen, type X, alpha 1	Coll10a1	25681	1,12	up
5796178	7219304	1421278	collagen, type X, alpha 1	Coll10a1	25681	1,09	up
6438268	7219304	1421275	collagen, type X, alpha 1	Coll10a1	25681	1,06	up
5796078	7219304	1421275	collagen, type X, alpha 1	Coll10a1	25681	1,02	up
5951426	7198210	1371021	collagen, type XI, alpha 1	Coll11a1	25654	1,78	up
5731305	7198210	1371018	collagen, type XI, alpha 1	Coll11a1	25654	1,74	down
5693804	7198210	1371019	collagen, type XI, alpha 1	Coll11a1	25654	1,53	down
6335909	7198210	1371026	collagen, type XI, alpha 1	Coll11a1	25654	1,51	up
5800677	7198210	1371017	collagen, type XI, alpha 1	Coll11a1	25654	1,43	up
6168189	7198210	1371020	collagen, type XI, alpha 1	Coll11a1	25654	1,34	up
6546600	7198210	1371012	collagen, type XI, alpha 1	Coll11a1	25654	1,27	up
5649861	7198210	1371011	collagen, type XI, alpha 1	Coll11a1	25654	1,18	up
6368634	7198210	1371013	collagen, type XI, alpha 1	Coll11a1	25654	1,16	down
6289981	7198210	1371024	collagen, type XI, alpha 1	Coll11a1	25654	1,09	up
6281955	7198210	1371023	collagen, type XI, alpha 1	Coll11a1	25654	1,06	down
6379452	7198210	1371014	collagen, type XI, alpha 1	Coll11a1	25654	1,05	down
6291861	7198210	1371016	collagen, type XI, alpha 1	Coll11a1	25654	1,03	up
6329034	7198210	1371022	collagen, type XI, alpha 1	Coll11a1	25654	1,02	down
6168606	7198210	1371025	collagen, type XI, alpha 1	Coll11a1	25654	1,00	down
6506188	7220967	1425159	collagen, type XI, alpha 2	Coll11a2	294279	4,25	up
6330471	7220967	1425167	collagen, type XI, alpha 2	Coll11a2	294279	3,13	up
6688942	7220967	1425187	collagen, type XI, alpha 2	Coll11a2	294279	2,73	down
6186018	7220967	1425151	collagen, type XI, alpha 2	Coll11a2	294279	2,20	down
6135432	7220967	1425191	collagen, type XI, alpha 2	Coll11a2	294279	2,03	down
5864422	7220967	1425171	collagen, type XI, alpha 2	Coll11a2	294279	2,03	down
5717971	7220967	1425154	collagen, type XI, alpha 2	Coll11a2	294279	1,81	up
6358386	7220967	1425162	collagen, type XI, alpha 2	Coll11a2	294279	1,68	up
5699424	7220967	1425165	collagen, type XI, alpha 2	Coll11a2	294279	1,58	down
6642252	7220967	1425173	collagen, type XI, alpha 2	Coll11a2	294279	1,55	up
5930362	7220967	1425203	collagen, type XI, alpha 2	Coll11a2	294279	1,53	down
6519298	7220967	1425207	collagen, type XI, alpha 2	Coll11a2	294279	1,48	up
6239380	7220967	1425174	collagen, type XI, alpha 2	Coll11a2	294279	1,45	up
6440199	7220967	1425183	collagen, type XI, alpha 2	Coll11a2	294279	1,43	up
6298772	7220967	1425192	collagen, type XI, alpha 2	Coll11a2	294279	1,42	down
6266813	7220967	1425207	collagen, type XI, alpha 2	Coll11a2	294279	1,38	up
5673740	7220967	1425166	collagen, type XI, alpha 2	Coll11a2	294279	1,38	down
6083800	7220967	1425186	collagen, type XI, alpha 2	Coll11a2	294279	1,37	down
6326711	7220967	1425200	collagen, type XI, alpha 2	Coll11a2	294279	1,36	up
6148838	7220967	1425195	collagen, type XI, alpha 2	Coll11a2	294279	1,35	down
6287361	7220967	1425189	collagen, type XI, alpha 2	Coll11a2	294279	1,33	up
6537755	7220967	1425148	collagen, type XI, alpha 2	Coll11a2	294279	1,32	down
5810114	7220967	1425176	collagen, type XI, alpha 2	Coll11a2	294279	1,31	down
6342330	7220967	1425181	collagen, type XI, alpha 2	Coll11a2	294279	1,28	up
5944110	7220967	1425161	collagen, type XI, alpha 2	Coll11a2	294279	1,27	down
6406093	7220967	1425178	collagen, type XI, alpha 2	Coll11a2	294279	1,25	down
6426571	7220967	1425146	collagen, type XI, alpha 2	Coll11a2	294279	1,23	up
6548570	7220967	1425149	collagen, type XI, alpha 2	Coll11a2	294279	1,23	down
6552270	7220967	1425205	collagen, type XI, alpha 2	Coll11a2	294279	1,22	down
6312799	7220967	1425202	collagen, type XI, alpha 2	Coll11a2	294279	1,22	down
5817474	7220967	1425158	collagen, type XI, alpha 2	Coll11a2	294279	1,22	up
6263167	7220967	1425150	collagen, type XI, alpha 2	Coll11a2	294279	1,22	down
6607963	7220967	1425197	collagen, type XI, alpha 2	Coll11a2	294279	1,21	up
6037941	7220967	1425164	collagen, type XI, alpha 2	Coll11a2	294279	1,18	down
5855075	7220967	1425201	collagen, type XI, alpha 2	Coll11a2	294279	1,17	up

6686636	7220967	1425172	collagen, type XI, alpha 2	Coll1a2	294279	1,17	up
5640621	7220967	1425196	collagen, type XI, alpha 2	Coll1a2	294279	1,16	up
5933376	7220967	1425193	collagen, type XI, alpha 2	Coll1a2	294279	1,15	up
5775392	7220967	1425160	collagen, type XI, alpha 2	Coll1a2	294279	1,14	down
6628047	7220967	1425156	collagen, type XI, alpha 2	Coll1a2	294279	1,14	down
5843681	7220967	1425147	collagen, type XI, alpha 2	Coll1a2	294279	1,12	down
6491056	7220967	1425163	collagen, type XI, alpha 2	Coll1a2	294279	1,10	up
5842562	7220967	1425184	collagen, type XI, alpha 2	Coll1a2	294279	1,10	down
6524706	7220967	1425155	collagen, type XI, alpha 2	Coll1a2	294279	1,10	down
6204931	7220967	1425165	collagen, type XI, alpha 2	Coll1a2	294279	1,09	down
6191351	7220967	1425157	collagen, type XI, alpha 2	Coll1a2	294279	1,09	down
6395521	7220967	1425179	collagen, type XI, alpha 2	Coll1a2	294279	1,09	down
5935438	7220967	1425199	collagen, type XI, alpha 2	Coll1a2	294279	1,09	up
6229507	7220967	1425204	collagen, type XI, alpha 2	Coll1a2	294279	1,08	down
6247161	7220967	1425206	collagen, type XI, alpha 2	Coll1a2	294279	1,07	down
6558214	7220967	1425185	collagen, type XI, alpha 2	Coll1a2	294279	1,07	down
5640150	7220967	1425182	collagen, type XI, alpha 2	Coll1a2	294279	1,07	up
6695077	7220967	1425194	collagen, type XI, alpha 2	Coll1a2	294279	1,07	down
5863208	7220967	1425153	collagen, type XI, alpha 2	Coll1a2	294279	1,07	up
6259929	7220967	1425177	collagen, type XI, alpha 2	Coll1a2	294279	1,06	up
6255563	7220967	1425198	collagen, type XI, alpha 2	Coll1a2	294279	1,05	down
5698202	7220967	1425152	collagen, type XI, alpha 2	Coll1a2	294279	1,05	down
5675395	7220967	1425188	collagen, type XI, alpha 2	Coll1a2	294279	1,04	up
5708845	7220967	1425169	collagen, type XI, alpha 2	Coll1a2	294279	1,03	up
6675169	7220967	1425170	collagen, type XI, alpha 2	Coll1a2	294279	1,03	up
6073964	7220967	1425168	collagen, type XI, alpha 2	Coll1a2	294279	1,03	down
5791764	7220967	1425190	collagen, type XI, alpha 2	Coll1a2	294279	1,03	down
6518860	7220967	1425180	collagen, type XI, alpha 2	Coll1a2	294279	1,02	up
6548085	7220967	1425175	collagen, type XI, alpha 2	Coll1a2	294279	1,02	up
6375106	7317088	1665029	collagen, type XIV, alpha 1	Coll14a1	314981	2,77	down
6093387	7317088	1665051	collagen, type XIV, alpha 1	Coll14a1	314981	2,23	down
6143383	7317088	1664998	collagen, type XIV, alpha 1	Coll14a1	314981	2,05	down
6370246	7317088	1665047	collagen, type XIV, alpha 1	Coll14a1	314981	1,92	up
6532825	7317088	1665026	collagen, type XIV, alpha 1	Coll14a1	314981	1,70	up
5950544	7317088	1665002	collagen, type XIV, alpha 1	Coll14a1	314981	1,60	down
5850830	7317088	1664995	collagen, type XIV, alpha 1	Coll14a1	314981	1,57	up
6626380	7317088	1664990	collagen, type XIV, alpha 1	Coll14a1	314981	1,55	down
5761536	7317088	1665018	collagen, type XIV, alpha 1	Coll14a1	314981	1,55	down
6612650	7317088	1664994	collagen, type XIV, alpha 1	Coll14a1	314981	1,50	down
6148884	7317088	1665028	collagen, type XIV, alpha 1	Coll14a1	314981	1,48	down
5677716	7317088	1665036	collagen, type XIV, alpha 1	Coll14a1	314981	1,47	up
5986792	7317088	1665032	collagen, type XIV, alpha 1	Coll14a1	314981	1,46	up
6327391	7317088	1665012	collagen, type XIV, alpha 1	Coll14a1	314981	1,45	up
5962673	7317088	1664998	collagen, type XIV, alpha 1	Coll14a1	314981	1,41	down
6283297	7317088	1665030	collagen, type XIV, alpha 1	Coll14a1	314981	1,37	up
5827210	7317088	1665025	collagen, type XIV, alpha 1	Coll14a1	314981	1,35	down
6119125	7317088	1665042	collagen, type XIV, alpha 1	Coll14a1	314981	1,34	down
6337490	7317088	1665000	collagen, type XIV, alpha 1	Coll14a1	314981	1,34	down
6223446	7317088	1664991	collagen, type XIV, alpha 1	Coll14a1	314981	1,31	down
6325692	7317088	1664993	collagen, type XIV, alpha 1	Coll14a1	314981	1,28	up
5904477	7317088	1665020	collagen, type XIV, alpha 1	Coll14a1	314981	1,24	up
6526986	7317088	1664996	collagen, type XIV, alpha 1	Coll14a1	314981	1,21	up
5909981	7317088	1665059	collagen, type XIV, alpha 1	Coll14a1	314981	1,21	up
5789875	7317088	1665016	collagen, type XIV, alpha 1	Coll14a1	314981	1,20	up
6738432	7317088	1664986	collagen, type XIV, alpha 1	Coll14a1	314981	1,19	up
6236204	7317088	1665037	collagen, type XIV, alpha 1	Coll14a1	314981	1,19	up
6364320	7317088	1665060	collagen, type XIV, alpha 1	Coll14a1	314981	1,18	up

5758373	7317088	1665051	collagen, type XIV, alpha 1	Coll14a1	314981	1,17	up
5971199	7317088	1665039	collagen, type XIV, alpha 1	Coll14a1	314981	1,16	up
6393779	7317088	1665041	collagen, type XIV, alpha 1	Coll14a1	314981	1,14	up
6018208	7317088	1664997	collagen, type XIV, alpha 1	Coll14a1	314981	1,12	up
5969703	7317088	1665027	collagen, type XIV, alpha 1	Coll14a1	314981	1,11	down
6204342	7317088	1665009	collagen, type XIV, alpha 1	Coll14a1	314981	1,11	down
5658514	7317088	1665035	collagen, type XIV, alpha 1	Coll14a1	314981	1,10	down
6111207	7317088	1665056	collagen, type XIV, alpha 1	Coll14a1	314981	1,10	up
5621493	7317088	1664999	collagen, type XIV, alpha 1	Coll14a1	314981	1,09	down
5735288	7317088	1665008	collagen, type XIV, alpha 1	Coll14a1	314981	1,08	down
5784668	7317088	1665057	collagen, type XIV, alpha 1	Coll14a1	314981	1,06	up
6313130	7317088	1665007	collagen, type XIV, alpha 1	Coll14a1	314981	1,06	down
5905993	7317088	1665034	collagen, type XIV, alpha 1	Coll14a1	314981	1,05	down
6187768	7317088	1665022	collagen, type XIV, alpha 1	Coll14a1	314981	1,04	up
6147300	7317088	1665024	collagen, type XIV, alpha 1	Coll14a1	314981	1,04	up
5958003	7317088	1665021	collagen, type XIV, alpha 1	Coll14a1	314981	1,04	down
6528062	7317088	1665017	collagen, type XIV, alpha 1	Coll14a1	314981	1,03	down
6392734	7317088	1664987	collagen, type XIV, alpha 1	Coll14a1	314981	1,03	down
6222930	7317088	1665011	collagen, type XIV, alpha 1	Coll14a1	314981	1,02	down
5790048	7317088	1665001	collagen, type XIV, alpha 1	Coll14a1	314981	1,01	up
6726890	7317088	1665048	collagen, type XIV, alpha 1	Coll14a1	314981	1,00	down
6359781	7274892	1559585	collagen, type XV, alpha 1	Coll15a1	298069	1,32	down
5703435	7274892	1559585	collagen, type XV, alpha 1	Coll15a1	298069	1,18	up
5665185	7274892	1559584	collagen, type XV, alpha 1	Coll15a1	298069	1,03	up
6624026	7279949	1572836	collagen, type XVI, alpha 1	Coll16a1	366474	2,25	down
5740776	7279949	1572846	collagen, type XVI, alpha 1	Coll16a1	366474	1,73	up
6589129	7279949	1572844	collagen, type XVI, alpha 1	Coll16a1	366474	1,50	down
5935269	7279949	1572831	collagen, type XVI, alpha 1	Coll16a1	366474	1,47	up
5817323	7279949	1572838	collagen, type XVI, alpha 1	Coll16a1	366474	1,45	down
5663978	7279949	1572832	collagen, type XVI, alpha 1	Coll16a1	366474	1,45	down
6142734	7279949	1572842	collagen, type XVI, alpha 1	Coll16a1	366474	1,45	down
5983989	7279949	1572846	collagen, type XVI, alpha 1	Coll16a1	366474	1,30	down
6609210	7279949	1572839	collagen, type XVI, alpha 1	Coll16a1	366474	1,25	up
6372314	7279949	1572845	collagen, type XVI, alpha 1	Coll16a1	366474	1,21	up
6441722	7279949	1572840	collagen, type XVI, alpha 1	Coll16a1	366474	1,20	up
6451490	7279949	1572830	collagen, type XVI, alpha 1	Coll16a1	366474	1,20	up
5772416	7279949	1572837	collagen, type XVI, alpha 1	Coll16a1	366474	1,19	down
6333650	7279949	1572847	collagen, type XVI, alpha 1	Coll16a1	366474	1,18	down
5621320	7279949	1572846	collagen, type XVI, alpha 1	Coll16a1	366474	1,12	down
5867221	7279949	1572830	collagen, type XVI, alpha 1	Coll16a1	366474	1,11	up
5682229	7279949	1572843	collagen, type XVI, alpha 1	Coll16a1	366474	1,10	up
6354976	7279949	1572833	collagen, type XVI, alpha 1	Coll16a1	366474	1,09	up
6056656	7279949	1572835	collagen, type XVI, alpha 1	Coll16a1	366474	1,08	up
5618644	7279949	1572849	collagen, type XVI, alpha 1	Coll16a1	366474	1,05	down
6357297	7279949	1572841	collagen, type XVI, alpha 1	Coll16a1	366474	1,03	down
5634723	7279949	1572834	collagen, type XVI, alpha 1	Coll16a1	366474	1,03	up
5925245	7279949	1572848	collagen, type XVI, alpha 1	Coll16a1	366474	1,01	down
5779224	7063515	1039651	collagen, type XVII, alpha 1	Coll17a1	294027	2,86	down
6389292	7063515	1039646	collagen, type XVII, alpha 1	Coll17a1	294027	2,76	down
5899682	7063515	1039669	collagen, type XVII, alpha 1	Coll17a1	294027	2,03	up
6670338	7063515	1039672	collagen, type XVII, alpha 1	Coll17a1	294027	1,98	down
6493236	7063515	1039660	collagen, type XVII, alpha 1	Coll17a1	294027	1,70	up
5751430	7063515	1039671	collagen, type XVII, alpha 1	Coll17a1	294027	1,69	up
5934359	7063515	1039664	collagen, type XVII, alpha 1	Coll17a1	294027	1,55	down
5749099	7063515	1039633	collagen, type XVII, alpha 1	Coll17a1	294027	1,55	up
5740238	7063515	1039645	collagen, type XVII, alpha 1	Coll17a1	294027	1,44	down
6145586	7063515	1039631	collagen, type XVII, alpha 1	Coll17a1	294027	1,43	down

6436277	7063515	1039666	collagen, type XVII, alpha 1	Col17a1	294027	1,42	up
6640064	7063515	1039656	collagen, type XVII, alpha 1	Col17a1	294027	1,40	down
6710849	7063515	1039639	collagen, type XVII, alpha 1	Col17a1	294027	1,38	down
6224323	7063515	1039630	collagen, type XVII, alpha 1	Col17a1	294027	1,36	up
6005225	7063515	1039650	collagen, type XVII, alpha 1	Col17a1	294027	1,35	down
5643237	7063515	1039658	collagen, type XVII, alpha 1	Col17a1	294027	1,35	down
5877110	7063515	1039678	collagen, type XVII, alpha 1	Col17a1	294027	1,31	down
6286990	7063515	1039662	collagen, type XVII, alpha 1	Col17a1	294027	1,27	down
6267715	7063515	1039630	collagen, type XVII, alpha 1	Col17a1	294027	1,25	down
6686578	7063515	1039657	collagen, type XVII, alpha 1	Col17a1	294027	1,24	down
5943709	7063515	1039659	collagen, type XVII, alpha 1	Col17a1	294027	1,22	down
6175254	7063515	1039675	collagen, type XVII, alpha 1	Col17a1	294027	1,21	up
5736274	7063515	1039677	collagen, type XVII, alpha 1	Col17a1	294027	1,21	up
6253013	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,20	down
6489602	7063515	1039655	collagen, type XVII, alpha 1	Col17a1	294027	1,20	down
6193830	7063515	1039637	collagen, type XVII, alpha 1	Col17a1	294027	1,20	up
5961202	7063515	1039687	collagen, type XVII, alpha 1	Col17a1	294027	1,18	up
5867174	7063515	1039640	collagen, type XVII, alpha 1	Col17a1	294027	1,18	down
6221746	7063515	1039632	collagen, type XVII, alpha 1	Col17a1	294027	1,18	up
5931100	7063515	1039683	collagen, type XVII, alpha 1	Col17a1	294027	1,16	down
6302546	7063515	1039649	collagen, type XVII, alpha 1	Col17a1	294027	1,14	down
5825796	7063515	1039671	collagen, type XVII, alpha 1	Col17a1	294027	1,14	down
6277781	7063515	1039670	collagen, type XVII, alpha 1	Col17a1	294027	1,13	up
6528434	7063515	1039630	collagen, type XVII, alpha 1	Col17a1	294027	1,13	down
6008309	7063515	1039683	collagen, type XVII, alpha 1	Col17a1	294027	1,13	up
6259998	7063515	1039644	collagen, type XVII, alpha 1	Col17a1	294027	1,11	up
6527036	7063515	1039638	collagen, type XVII, alpha 1	Col17a1	294027	1,11	up
6542354	7063515	1039684	collagen, type XVII, alpha 1	Col17a1	294027	1,10	up
6175522	7063515	1039648	collagen, type XVII, alpha 1	Col17a1	294027	1,10	down
6703576	7063515	1039690	collagen, type XVII, alpha 1	Col17a1	294027	1,10	down
6220512	7063515	1039688	collagen, type XVII, alpha 1	Col17a1	294027	1,08	up
6084825	7063515	1039691	collagen, type XVII, alpha 1	Col17a1	294027	1,08	up
5743987	7063515	1039681	collagen, type XVII, alpha 1	Col17a1	294027	1,08	up
6700232	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,07	down
5645386	7063515	1039654	collagen, type XVII, alpha 1	Col17a1	294027	1,06	up
5618009	7063515	1039695	collagen, type XVII, alpha 1	Col17a1	294027	1,05	up
5684998	7063515	1039661	collagen, type XVII, alpha 1	Col17a1	294027	1,05	up
5954731	7063515	1039685	collagen, type XVII, alpha 1	Col17a1	294027	1,05	up
5733645	7063515	1039642	collagen, type XVII, alpha 1	Col17a1	294027	1,03	down
5906970	7063515	1039689	collagen, type XVII, alpha 1	Col17a1	294027	1,03	down
6595702	7063515	1039679	collagen, type XVII, alpha 1	Col17a1	294027	1,03	down
5754524	7063515	1039641	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
5744048	7063515	1039634	collagen, type XVII, alpha 1	Col17a1	294027	1,02	down
6134280	7063515	1039667	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
5955379	7063515	1039647	collagen, type XVII, alpha 1	Col17a1	294027	1,02	up
6402861	7063515	1039635	collagen, type XVII, alpha 1	Col17a1	294027	1,02	down
6385564	7063515	1039672	collagen, type XVII, alpha 1	Col17a1	294027	1,01	down
5627488	7063515	1039686	collagen, type XVII, alpha 1	Col17a1	294027	1,00	up
5631731	7063515	1039674	collagen, type XVII, alpha 1	Col17a1	294027	1,00	up
5871086	7217650	1417208	collagen, type XVIII, alpha 1	Col18a1	85251	1,12	down
6382958	7217650	1417207	collagen, type XVIII, alpha 1	Col18a1	85251	1,10	up
6508253	7217650	1417209	collagen, type XVIII, alpha 1	Col18a1	85251	1,08	up
6206572	7217650	1417210	collagen, type XVIII, alpha 1	Col18a1	85251	1,05	up
5896456	7236358	1464233	collagen, type XX, alpha 1	Col20a1	311716	3,07	down
6490537	7236358	1464228	collagen, type XX, alpha 1	Col20a1	311716	1,55	down
6527300	7236358	1464222	collagen, type XX, alpha 1	Col20a1	311716	1,47	up
6661860	7236358	1464233	collagen, type XX, alpha 1	Col20a1	311716	1,44	up

6704813	7236358	1464226	collagen, type XX, alpha 1	Col20a1	311716	1,30	down
5649301	7236358	1464232	collagen, type XX, alpha 1	Col20a1	311716	1,25	up
5775144	7236358	1464221	collagen, type XX, alpha 1	Col20a1	311716	1,24	down
6542102	7236358	1464223	collagen, type XX, alpha 1	Col20a1	311716	1,23	down
6107848	7236358	1464231	collagen, type XX, alpha 1	Col20a1	311716	1,20	up
6611285	7236358	1464229	collagen, type XX, alpha 1	Col20a1	311716	1,09	down
6301504	7236358	1464218	collagen, type XX, alpha 1	Col20a1	311716	1,09	down
6436922	7236358	1464234	collagen, type XX, alpha 1	Col20a1	311716	1,07	up
5834347	7236358	1464224	collagen, type XX, alpha 1	Col20a1	311716	1,07	down
5626226	7236358	1464230	collagen, type XX, alpha 1	Col20a1	311716	1,06	down
6745977	7236358	1464218	collagen, type XX, alpha 1	Col20a1	311716	1,04	up
5745971	7236358	1464233	collagen, type XX, alpha 1	Col20a1	311716	1,04	down
5638399	7328695	1692360	collagen, type XXII, alpha 1	Col22a1	315071	2,04	down
5922634	7328695	1692315	collagen, type XXII, alpha 1	Col22a1	315071	1,89	down
5995648	7328695	1692354	collagen, type XXII, alpha 1	Col22a1	315071	1,87	down
6292005	7328695	1692328	collagen, type XXII, alpha 1	Col22a1	315071	1,71	down
6083504	7328695	1692337	collagen, type XXII, alpha 1	Col22a1	315071	1,70	up
6320408	7328695	1692299	collagen, type XXII, alpha 1	Col22a1	315071	1,69	up
6026529	7328695	1692274	collagen, type XXII, alpha 1	Col22a1	315071	1,58	down
5895921	7328695	1692365	collagen, type XXII, alpha 1	Col22a1	315071	1,57	up
6498621	7328695	1692329	collagen, type XXII, alpha 1	Col22a1	315071	1,56	down
6672784	7328695	1692291	collagen, type XXII, alpha 1	Col22a1	315071	1,54	down
5848169	7328695	1692366	collagen, type XXII, alpha 1	Col22a1	315071	1,53	up
6712010	7328695	1692362	collagen, type XXII, alpha 1	Col22a1	315071	1,46	up
6701557	7328695	1692355	collagen, type XXII, alpha 1	Col22a1	315071	1,41	up
6071683	7328695	1692267	collagen, type XXII, alpha 1	Col22a1	315071	1,40	down
5750213	7328695	1692319	collagen, type XXII, alpha 1	Col22a1	315071	1,39	down
6657584	7328695	1692298	collagen, type XXII, alpha 1	Col22a1	315071	1,35	down
5932214	7328695	1692278	collagen, type XXII, alpha 1	Col22a1	315071	1,33	up
5855845	7328695	1692283	collagen, type XXII, alpha 1	Col22a1	315071	1,29	down
5693388	7328695	1692331	collagen, type XXII, alpha 1	Col22a1	315071	1,29	up
5957431	7328695	1692276	collagen, type XXII, alpha 1	Col22a1	315071	1,25	up
6020990	7328695	1692324	collagen, type XXII, alpha 1	Col22a1	315071	1,25	down
6056547	7328695	1692268	collagen, type XXII, alpha 1	Col22a1	315071	1,23	up
6339452	7328695	1692348	collagen, type XXII, alpha 1	Col22a1	315071	1,20	down
5680343	7328695	1692274	collagen, type XXII, alpha 1	Col22a1	315071	1,20	down
6197435	7328695	1692372	collagen, type XXII, alpha 1	Col22a1	315071	1,20	down
6554961	7328695	1692280	collagen, type XXII, alpha 1	Col22a1	315071	1,19	down
5820738	7328695	1692351	collagen, type XXII, alpha 1	Col22a1	315071	1,19	down
5803468	7328695	1692282	collagen, type XXII, alpha 1	Col22a1	315071	1,19	down
5932661	7328695	1692369	collagen, type XXII, alpha 1	Col22a1	315071	1,19	up
6508181	7328695	1692317	collagen, type XXII, alpha 1	Col22a1	315071	1,19	down
6128386	7328695	1692326	collagen, type XXII, alpha 1	Col22a1	315071	1,18	down
6746704	7328695	1692343	collagen, type XXII, alpha 1	Col22a1	315071	1,18	down
5653714	7328695	1692269	collagen, type XXII, alpha 1	Col22a1	315071	1,17	up
6725168	7328695	1692322	collagen, type XXII, alpha 1	Col22a1	315071	1,16	down
5937465	7328695	1692325	collagen, type XXII, alpha 1	Col22a1	315071	1,16	up
5858920	7328695	1692286	collagen, type XXII, alpha 1	Col22a1	315071	1,16	down
5845972	7328695	1692353	collagen, type XXII, alpha 1	Col22a1	315071	1,15	down
5924338	7328695	1692333	collagen, type XXII, alpha 1	Col22a1	315071	1,14	up
5888205	7328695	1692307	collagen, type XXII, alpha 1	Col22a1	315071	1,14	down
6363768	7328695	1692312	collagen, type XXII, alpha 1	Col22a1	315071	1,12	up
5691586	7328695	1692350	collagen, type XXII, alpha 1	Col22a1	315071	1,11	up
6002579	7328695	1692295	collagen, type XXII, alpha 1	Col22a1	315071	1,10	down
6138841	7328695	1692269	collagen, type XXII, alpha 1	Col22a1	315071	1,10	down
5956733	7328695	1692272	collagen, type XXII, alpha 1	Col22a1	315071	1,10	up
6112152	7328695	1692306	collagen, type XXII, alpha 1	Col22a1	315071	1,10	down

6706106	7328695	1692361	collagen, type XXII, alpha 1	Col22a1	315071	1,08	up
6481769	7328695	1692340	collagen, type XXII, alpha 1	Col22a1	315071	1,08	down
6710236	7328695	1692296	collagen, type XXII, alpha 1	Col22a1	315071	1,07	up
6443838	7328695	1692302	collagen, type XXII, alpha 1	Col22a1	315071	1,07	down
5822615	7328695	1692348	collagen, type XXII, alpha 1	Col22a1	315071	1,06	up
6363569	7328695	1692294	collagen, type XXII, alpha 1	Col22a1	315071	1,06	up
6136901	7328695	1692359	collagen, type XXII, alpha 1	Col22a1	315071	1,06	up
6659561	7328695	1692380	collagen, type XXII, alpha 1	Col22a1	315071	1,05	up
6455302	7328695	1692327	collagen, type XXII, alpha 1	Col22a1	315071	1,04	up
5708138	7328695	1692281	collagen, type XXII, alpha 1	Col22a1	315071	1,04	up
6336616	7328695	1692339	collagen, type XXII, alpha 1	Col22a1	315071	1,03	down
6698358	7328695	1692290	collagen, type XXII, alpha 1	Col22a1	315071	1,03	down
6494911	7328695	1692299	collagen, type XXII, alpha 1	Col22a1	315071	1,03	down
5628264	7328695	1692358	collagen, type XXII, alpha 1	Col22a1	315071	1,02	up
6511982	7328695	1692305	collagen, type XXII, alpha 1	Col22a1	315071	1,02	up
5685827	7328695	1692279	collagen, type XXII, alpha 1	Col22a1	315071	1,02	down
5939201	7328695	1692349	collagen, type XXII, alpha 1	Col22a1	315071	1,02	down
6011608	7328695	1692347	collagen, type XXII, alpha 1	Col22a1	315071	1,01	down
6298964	7328695	1692356	collagen, type XXII, alpha 1	Col22a1	315071	1,00	down
6257760	7328695	1692330	collagen, type XXII, alpha 1	Col22a1	315071	1,00	up
6443464	7067406	1049583	collagen, type XXIII, alpha 1	Col23a1	353303	2,74	down
6708536	7067406	1049584	collagen, type XXIII, alpha 1	Col23a1	353303	2,02	down
6527175	7067406	1049586	collagen, type XXIII, alpha 1	Col23a1	353303	1,77	down
5674945	7067406	1049595	collagen, type XXIII, alpha 1	Col23a1	353303	1,64	up
5837708	7067406	1049577	collagen, type XXIII, alpha 1	Col23a1	353303	1,46	up
5798192	7067406	1049587	collagen, type XXIII, alpha 1	Col23a1	353303	1,46	down
6614300	7067406	1049598	collagen, type XXIII, alpha 1	Col23a1	353303	1,37	down
6197069	7067406	1049576	collagen, type XXIII, alpha 1	Col23a1	353303	1,33	down
6288089	7067406	1049575	collagen, type XXIII, alpha 1	Col23a1	353303	1,32	down
6090335	7067406	1049581	collagen, type XXIII, alpha 1	Col23a1	353303	1,28	up
6719074	7067406	1049588	collagen, type XXIII, alpha 1	Col23a1	353303	1,26	up
6716987	7067406	1049580	collagen, type XXIII, alpha 1	Col23a1	353303	1,24	down
6341994	7067406	1049585	collagen, type XXIII, alpha 1	Col23a1	353303	1,24	down
6196233	7067406	1049599	collagen, type XXIII, alpha 1	Col23a1	353303	1,23	down
6586548	7067406	1049597	collagen, type XXIII, alpha 1	Col23a1	353303	1,20	down
5721890	7067406	1049593	collagen, type XXIII, alpha 1	Col23a1	353303	1,16	down
6117157	7067406	1049600	collagen, type XXIII, alpha 1	Col23a1	353303	1,13	up
6605691	7067406	1049601	collagen, type XXIII, alpha 1	Col23a1	353303	1,10	down
6637724	7067406	1049594	collagen, type XXIII, alpha 1	Col23a1	353303	1,09	up
6591059	7067406	1049582	collagen, type XXIII, alpha 1	Col23a1	353303	1,08	down
6310876	7067406	1049579	collagen, type XXIII, alpha 1	Col23a1	353303	1,07	down
5711470	7067406	1049601	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
5865510	7067406	1049596	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
6146977	7067406	1049592	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
6222935	7067406	1049589	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
6685515	7067406	1049575	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
6457727	7067406	1049578	collagen, type XXIII, alpha 1	Col23a1	353303	1,06	up
6297247	7067406	1049590	collagen, type XXIII, alpha 1	Col23a1	353303	1,02	up
5792312	7275821	1562085	collagen, type XXVII, alpha 1	Col27a1	298101	2,08	up
5654532	7275821	1562093	collagen, type XXVII, alpha 1	Col27a1	298101	1,86	up
6520506	7275821	1562092	collagen, type XXVII, alpha 1	Col27a1	298101	1,83	up
5742764	7275821	1562049	collagen, type XXVII, alpha 1	Col27a1	298101	1,78	down
6379953	7275821	1562079	collagen, type XXVII, alpha 1	Col27a1	298101	1,69	down
5806415	7275821	1562055	collagen, type XXVII, alpha 1	Col27a1	298101	1,67	up
5964186	7275821	1562082	collagen, type XXVII, alpha 1	Col27a1	298101	1,65	up
5851823	7275821	1562059	collagen, type XXVII, alpha 1	Col27a1	298101	1,54	up
6608712	7275821	1562068	collagen, type XXVII, alpha 1	Col27a1	298101	1,54	up

6062990	7275821	1562070	collagen, type XXVII, alpha 1	Col27a1	298101	1,53	down
5883555	7275821	1562052	collagen, type XXVII, alpha 1	Col27a1	298101	1,52	up
6591660	7275821	1562088	collagen, type XXVII, alpha 1	Col27a1	298101	1,51	up
6530608	7275821	1562040	collagen, type XXVII, alpha 1	Col27a1	298101	1,46	down
6564039	7275821	1562047	collagen, type XXVII, alpha 1	Col27a1	298101	1,41	up
5751479	7275821	1562044	collagen, type XXVII, alpha 1	Col27a1	298101	1,35	up
6648903	7275821	1562071	collagen, type XXVII, alpha 1	Col27a1	298101	1,35	up
5655902	7275821	1562067	collagen, type XXVII, alpha 1	Col27a1	298101	1,33	up
6446982	7275821	1562053	collagen, type XXVII, alpha 1	Col27a1	298101	1,31	down
6225143	7275821	1562043	collagen, type XXVII, alpha 1	Col27a1	298101	1,30	down
5900573	7275821	1562041	collagen, type XXVII, alpha 1	Col27a1	298101	1,26	down
6569133	7275821	1562042	collagen, type XXVII, alpha 1	Col27a1	298101	1,24	down
6649038	7275821	1562078	collagen, type XXVII, alpha 1	Col27a1	298101	1,23	down
5668466	7275821	1562072	collagen, type XXVII, alpha 1	Col27a1	298101	1,20	up
5656986	7275821	1562096	collagen, type XXVII, alpha 1	Col27a1	298101	1,17	up
5670654	7275821	1562051	collagen, type XXVII, alpha 1	Col27a1	298101	1,17	up
5952025	7275821	1562058	collagen, type XXVII, alpha 1	Col27a1	298101	1,15	down
5839334	7275821	1562065	collagen, type XXVII, alpha 1	Col27a1	298101	1,15	up
6519289	7275821	1562045	collagen, type XXVII, alpha 1	Col27a1	298101	1,14	up
6205671	7275821	1562086	collagen, type XXVII, alpha 1	Col27a1	298101	1,14	down
6714818	7275821	1562056	collagen, type XXVII, alpha 1	Col27a1	298101	1,13	down
6051129	7275821	1562087	collagen, type XXVII, alpha 1	Col27a1	298101	1,13	up
5895530	7275821	1562073	collagen, type XXVII, alpha 1	Col27a1	298101	1,13	down
6220856	7275821	1562063	collagen, type XXVII, alpha 1	Col27a1	298101	1,13	down
6567197	7275821	1562069	collagen, type XXVII, alpha 1	Col27a1	298101	1,13	up
6605190	7275821	1562091	collagen, type XXVII, alpha 1	Col27a1	298101	1,12	up
6481853	7275821	1562054	collagen, type XXVII, alpha 1	Col27a1	298101	1,12	up
5872068	7275821	1562042	collagen, type XXVII, alpha 1	Col27a1	298101	1,11	down
5984200	7275821	1562099	collagen, type XXVII, alpha 1	Col27a1	298101	1,10	up
5766776	7275821	1562066	collagen, type XXVII, alpha 1	Col27a1	298101	1,09	down
6648828	7275821	1562064	collagen, type XXVII, alpha 1	Col27a1	298101	1,09	down
6228505	7275821	1562048	collagen, type XXVII, alpha 1	Col27a1	298101	1,09	down
6426339	7275821	1562075	collagen, type XXVII, alpha 1	Col27a1	298101	1,08	up
6595484	7275821	1562089	collagen, type XXVII, alpha 1	Col27a1	298101	1,08	up
6563837	7275821	1562081	collagen, type XXVII, alpha 1	Col27a1	298101	1,07	down
6113195	7275821	1562084	collagen, type XXVII, alpha 1	Col27a1	298101	1,06	down
6388358	7275821	1562095	collagen, type XXVII, alpha 1	Col27a1	298101	1,06	down
5707223	7275821	1562076	collagen, type XXVII, alpha 1	Col27a1	298101	1,06	down
6345424	7275821	1562042	collagen, type XXVII, alpha 1	Col27a1	298101	1,06	down
6421858	7275821	1562094	collagen, type XXVII, alpha 1	Col27a1	298101	1,05	down
6310892	7275821	1562090	collagen, type XXVII, alpha 1	Col27a1	298101	1,05	up
6048329	7275821	1562080	collagen, type XXVII, alpha 1	Col27a1	298101	1,05	down
5728158	7275821	1562062	collagen, type XXVII, alpha 1	Col27a1	298101	1,05	down
6406943	7275821	1562050	collagen, type XXVII, alpha 1	Col27a1	298101	1,05	up
6244381	7275821	1562083	collagen, type XXVII, alpha 1	Col27a1	298101	1,04	up
5951108	7275821	1562057	collagen, type XXVII, alpha 1	Col27a1	298101	1,04	up
6492533	7275821	1562061	collagen, type XXVII, alpha 1	Col27a1	298101	1,04	down
5817494	7275821	1562074	collagen, type XXVII, alpha 1	Col27a1	298101	1,03	down
6501166	7275821	1562046	collagen, type XXVII, alpha 1	Col27a1	298101	1,02	up
6192691	7275821	1562060	collagen, type XXVII, alpha 1	Col27a1	298101	1,02	down
5832794	7275821	1562077	collagen, type XXVII, alpha 1	Col27a1	298101	1,01	up
6062123	7275821	1562039	collagen, type XXVII, alpha 1	Col27a1	298101	1,01	down
5791065	7275821	1562098	collagen, type XXVII, alpha 1	Col27a1	298101	1,00	up
6436610	7275821	1562097	collagen, type XXVII, alpha 1	Col27a1	298101	1,00	down
5850143	7148838	1248121	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	2,20	up
6622948	7148838	1248122	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	2,15	up
6373471	7148838	1248126	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,85	down

6255992	7148838	1248116	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,43	up
6096398	7148838	1248129	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,43	up
5984208	7148838	1248118	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,36	down
6619181	7148838	1248120	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,35	up
6392835	7148838	1248130	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,27	up
6672277	7148838	1248127	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,22	down
6336982	7148838	1248114	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,16	up
6449594	7148838	1248119	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,16	down
5646259	7148838	1248123	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,11	down
6116939	7148838	1248124	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,10	up
6326299	7148838	1248115	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,08	up
6051743	7148838	1248128	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,06	down
5814118	7148838	1248125	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,02	up
6041814	7148838	1248117	collagen-like tail subunit (single strand of homotrimer) of asymmetric acetylcholinesterase	Colq	29755	1,02	up
5713494	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	3,80	down
5774566	7212626	1404716	colony stimulating factor 1 (macrophage)	Csf1	78965	2,64	up
6330336	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	2,39	down
5742887	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	2,35	down
6440350	7212626	1404715	colony stimulating factor 1 (macrophage)	Csf1	78965	2,27	up
6232127	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	1,99	down
6005055	7212626	1404711	colony stimulating factor 1 (macrophage)	Csf1	78965	1,49	up
6388120	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	1,45	up
5781564	7212626	1404713	colony stimulating factor 1 (macrophage)	Csf1	78965	1,38	down
5817698	7212626	1404716	colony stimulating factor 1 (macrophage)	Csf1	78965	1,34	up
5793197	7212626	1404714	colony stimulating factor 1 (macrophage)	Csf1	78965	1,31	up
6174544	7212626	1404716	colony stimulating factor 1 (macrophage)	Csf1	78965	1,25	down
5945323	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	1,17	down
6087692	7212626	1404710	colony stimulating factor 1 (macrophage)	Csf1	78965	1,14	down
6075637	7212626	1404712	colony stimulating factor 1 (macrophage)	Csf1	78965	1,13	down
6446401	7212626	1404708	colony stimulating factor 1 (macrophage)	Csf1	78965	1,10	down
5645694	7212626	1404709	colony stimulating factor 1 (macrophage)	Csf1	78965	1,01	up
6062994	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	2,17	down
5802847	7318578	1668902	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	2,00	up
5721036	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,83	up
5918351	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,75	up
6547375	7318578	1668897	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,53	down
6299748	7318578	1668895	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,52	down
5937943	7318578	1668903	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,49	down
5748441	7318578	1668901	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,42	down
6445070	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,37	down
6445608	7318578	1668896	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,30	down
6090837	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,29	up
6533008	7318578	1668899	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,28	down
6402297	7318578	1668897	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,26	up
5833421	7318578	1668892	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,23	up
6568608	7318578	1668893	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,15	down
5952964	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,15	up
6274592	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,10	up
6121487	7318578	1668894	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,09	down
6248046	7318578	1668892	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,07	up
6124985	7318578	1668894	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,04	up
6500332	7318578	1668900	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,04	down
6055554	7318578	1668896	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,04	up
5973495	7318578	1668904	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,02	up
6558663	7318578	1668898	colony stimulating factor 2 receptor, beta, low-affinity (granulocyte-macrophage)	Csf2rb	171081	1,02	down
5870069	7279489	1571781	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	2,84	up
6001172	7279489	1571795	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,77	down

6160975	7279489	1571798	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,76	down
6632972	7279489	1571798	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,73	down
6447931	7279489	1571784	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,59	up
6345635	7279489	1571797	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,48	up
5647432	7279489	1571792	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,45	up
6005664	7279489	1571796	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,42	down
5999459	7279489	1571793	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,30	up
6675023	7279489	1571783	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,22	down
6629351	7279489	1571789	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,18	up
6632504	7279489	1571787	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,16	down
5709135	7279489	1571784	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,10	down
5880531	7279489	1571786	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,09	up
6698233	7279489	1571797	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,05	down
6246161	7279489	1571788	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,04	up
6455644	7279489	1571794	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,03	up
6546540	7279489	1571782	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,02	down
5889326	7279489	1571785	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,01	down
6056713	7279489	1571791	colony stimulating factor 3 receptor (granulocyte)	Csf3r	298518	1,00	down
6704712	7141151	1228922	COMM domain containing 6	Comm6	498559	1,64	up
6477581	7141151	1228924	COMM domain containing 6	Comm6	498559	1,36	up
5888057	7141151	1228927	COMM domain containing 6	Comm6	498559	1,32	up
6006540	7141151	1228924	COMM domain containing 6	Comm6	498559	1,27	up
6643307	7141151	1228927	COMM domain containing 6	Comm6	498559	1,18	down
6423745	7141151	1228922	COMM domain containing 6	Comm6	498559	1,13	down
5917119	7141151	1228924	COMM domain containing 6	Comm6	498559	1,06	up
5971694	7141151	1228927	COMM domain containing 6	Comm6	498559	1,06	down
6523518	7115728	1166532	complement component (3b/4b) receptor 1-like	Cr1l	54243	2,94	down
5882845	7115728	1166524	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,60	up
5879271	7115728	1166529	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,44	up
6210062	7115728	1166528	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,26	down
6722126	7115728	1166523	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,20	down
5737674	7115728	1166525	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,20	up
6629459	7115728	1166530	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,16	up
6554962	7115728	1166528	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,13	up
6268669	7115728	1166527	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,11	down
5992450	7115728	1166526	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,10	down
6417267	7115728	1166522	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,07	up
6400969	7115728	1166522	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,02	down
5632760	7115728	1166531	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,02	down
6433755	7115728	1166532	complement component (3b/4b) receptor 1-like	Cr1l	54243	1,01	down
6104957	7258323	1518478	complement component 1, r subcomponent	Cr1r	312705	14,14	up
6324241	7258323	1518475	complement component 1, r subcomponent	Cr1r	312705	8,38	up
6080797	7258323	1518480	complement component 1, r subcomponent	Cr1r	312705	8,16	up
5939433	7258323	1518476	complement component 1, r subcomponent	Cr1r	312705	5,14	up
5988892	7258323	1518482	complement component 1, r subcomponent	Cr1r	312705	4,04	up
6326421	7258323	1518477	complement component 1, r subcomponent	Cr1r	312705	3,75	up
6707899	7258323	1518477	complement component 1, r subcomponent	Cr1r	312705	2,31	up
5931422	7258323	1518474	complement component 1, r subcomponent	Cr1r	312705	1,77	up
5850274	7258323	1518471	complement component 1, r subcomponent	Cr1r	312705	1,28	up
6706790	7258323	1518479	complement component 1, r subcomponent	Cr1r	312705	1,27	up
6317247	7258323	1518481	complement component 1, r subcomponent	Cr1r	312705	1,26	down
5740483	7258323	1518482	complement component 1, r subcomponent	Cr1r	312705	1,14	down
6016803	7258323	1518474	complement component 1, r subcomponent	Cr1r	312705	1,04	up
6394600	7269448	1545886	complement component 1, s subcomponent	Cr1s	192262	4,73	down
6313085	7269448	1545880	complement component 1, s subcomponent	Cr1s	192262	2,89	down
6074943	7269448	1545881	complement component 1, s subcomponent	Cr1s	192262	2,22	up
6128130	7269448	1545883	complement component 1, s subcomponent	Cr1s	192262	2,16	up

6281501	7269448	1545884	complement component 1, s subcomponent	C1s	192262	1,85	up
6139849	7269448	1545885	complement component 1, s subcomponent	C1s	192262	1,70	down
5827223	7269448	1545879	complement component 1, s subcomponent	C1s	192262	1,52	up
6471210	7269448	1545878	complement component 1, s subcomponent	C1s	192262	1,33	up
5647304	7269448	1545877	complement component 1, s subcomponent	C1s	192262	1,25	up
6625463	7269448	1545874	complement component 1, s subcomponent	C1s	192262	1,24	down
5662949	7269448	1545882	complement component 1, s subcomponent	C1s	192262	1,24	up
5678326	7269448	1545876	complement component 1, s subcomponent	C1s	192262	1,12	up
5851904	7269448	1545875	complement component 1, s subcomponent	C1s	192262	1,00	down
5658858	7371642	1800596	complement component 3	C3	24232	12,06	down
6373041	7371642	1800638	complement component 3	C3	24232	11,63	down
6442401	7371642	1800621	complement component 3	C3	24232	6,24	down
6700008	7371642	1800607	complement component 3	C3	24232	5,02	down
5636418	7371642	1800632	complement component 3	C3	24232	3,53	up
5800464	7371642	1800638	complement component 3	C3	24232	3,32	down
5746009	7371642	1800625	complement component 3	C3	24232	2,83	down
6618475	7371642	1800606	complement component 3	C3	24232	2,74	down
6699431	7371642	1800631	complement component 3	C3	24232	2,60	up
6472422	7371642	1800605	complement component 3	C3	24232	2,34	down
6287600	7371642	1800619	complement component 3	C3	24232	2,26	up
6253972	7371642	1800629	complement component 3	C3	24232	2,22	up
6145714	7371642	1800604	complement component 3	C3	24232	2,13	down
5919926	7371642	1800597	complement component 3	C3	24232	2,07	down
5830932	7371642	1800602	complement component 3	C3	24232	2,04	down
6358673	7371642	1800630	complement component 3	C3	24232	2,01	up
5956845	7371642	1800601	complement component 3	C3	24232	2,00	down
5662068	7371642	1800612	complement component 3	C3	24232	1,91	up
6122202	7371642	1800616	complement component 3	C3	24232	1,84	down
6579413	7371642	1800628	complement component 3	C3	24232	1,77	up
5883192	7371642	1800613	complement component 3	C3	24232	1,67	up
6620119	7371642	1800626	complement component 3	C3	24232	1,64	down
6073825	7371642	1800635	complement component 3	C3	24232	1,62	up
6267262	7371642	1800635	complement component 3	C3	24232	1,61	up
6703436	7371642	1800617	complement component 3	C3	24232	1,59	up
5948670	7371642	1800623	complement component 3	C3	24232	1,52	up
6573373	7371642	1800620	complement component 3	C3	24232	1,51	down
5880442	7371642	1800610	complement component 3	C3	24232	1,48	down
6186298	7371642	1800616	complement component 3	C3	24232	1,42	up
5729810	7371642	1800611	complement component 3	C3	24232	1,39	up
5880554	7371642	1800614	complement component 3	C3	24232	1,39	up
5696544	7371642	1800603	complement component 3	C3	24232	1,35	down
6666543	7371642	1800633	complement component 3	C3	24232	1,27	up
6060260	7371642	1800615	complement component 3	C3	24232	1,25	up
6025551	7371642	1800636	complement component 3	C3	24232	1,23	down
6723575	7371642	1800598	complement component 3	C3	24232	1,20	down
6274947	7371642	1800627	complement component 3	C3	24232	1,19	up
5796343	7371642	1800621	complement component 3	C3	24232	1,17	up
6388324	7371642	1800618	complement component 3	C3	24232	1,14	down
6392367	7371642	1800622	complement component 3	C3	24232	1,13	up
6543043	7371642	1800610	complement component 3	C3	24232	1,11	up
5977363	7371642	1800599	complement component 3	C3	24232	1,05	up
6437265	7371642	1800624	complement component 3	C3	24232	1,04	up
6151612	7371642	1800600	complement component 3	C3	24232	1,04	down
6670916	7371642	1800608	complement component 3	C3	24232	1,01	up
6701257	7110906	1154528	complement component 4 binding protein, alpha	C4bpa	24235	3,61	down
6377646	7110906	1154536	complement component 4 binding protein, alpha	C4bpa	24235	2,80	up
5939297	7110906	1154527	complement component 4 binding protein, alpha	C4bpa	24235	2,48	down

5953502	7110906	1154528	complement component 4 binding protein, alpha	C4bpa	24235	2,37	down
6211857	7110906	1154532	complement component 4 binding protein, alpha	C4bpa	24235	2,09	up
5834395	7110906	1154535	complement component 4 binding protein, alpha	C4bpa	24235	1,87	up
5972104	7110906	1154531	complement component 4 binding protein, alpha	C4bpa	24235	1,67	up
6503816	7110906	1154533	complement component 4 binding protein, alpha	C4bpa	24235	1,59	up
6207014	7110906	1154539	complement component 4 binding protein, alpha	C4bpa	24235	1,57	up
6323359	7110906	1154538	complement component 4 binding protein, alpha	C4bpa	24235	1,53	up
6500744	7110906	1154529	complement component 4 binding protein, alpha	C4bpa	24235	1,52	down
6267932	7110906	1154537	complement component 4 binding protein, alpha	C4bpa	24235	1,46	up
5657218	7110906	1154530	complement component 4 binding protein, alpha	C4bpa	24235	1,42	down
6381961	7110906	1154538	complement component 4 binding protein, alpha	C4bpa	24235	1,26	down
6679284	7110906	1154534	complement component 4 binding protein, alpha	C4bpa	24235	1,09	up
5892729	7110911	1154545	complement component 4 binding protein, beta	C4bpb	24236	2,03	down
6240165	7110911	1154549	complement component 4 binding protein, beta	C4bpb	24236	1,63	up
5902928	7110911	1154551	complement component 4 binding protein, beta	C4bpb	24236	1,57	up
6500891	7110911	1154546	complement component 4 binding protein, beta	C4bpb	24236	1,54	down
6725989	7110911	1154548	complement component 4 binding protein, beta	C4bpb	24236	1,43	up
6041087	7110911	1154551	complement component 4 binding protein, beta	C4bpb	24236	1,31	down
6570116	7110911	1154547	complement component 4 binding protein, beta	C4bpb	24236	1,20	down
5701663	7110911	1154550	complement component 4 binding protein, beta	C4bpb	24236	1,17	up
6707558	7190247	1350350	complement component 6	C6	24237	2,75	up
5992500	7190247	1350363	complement component 6	C6	24237	1,91	down
6543200	7190247	1350361	complement component 6	C6	24237	1,84	down
5911154	7190247	1350364	complement component 6	C6	24237	1,63	down
6570696	7190247	1350348	complement component 6	C6	24237	1,58	up
6285968	7190247	1350356	complement component 6	C6	24237	1,51	up
6441280	7190247	1350355	complement component 6	C6	24237	1,48	down
5791055	7190247	1350358	complement component 6	C6	24237	1,32	down
6743004	7190247	1350349	complement component 6	C6	24237	1,32	up
5948975	7190247	1350351	complement component 6	C6	24237	1,29	up
6490200	7190247	1350354	complement component 6	C6	24237	1,26	up
5958499	7190247	1350359	complement component 6	C6	24237	1,24	down
5902509	7190247	1350351	complement component 6	C6	24237	1,19	down
6322297	7190247	1350364	complement component 6	C6	24237	1,18	down
6061421	7190247	1350352	complement component 6	C6	24237	1,13	down
6430614	7190247	1350353	complement component 6	C6	24237	1,13	up
6630455	7190247	1350362	complement component 6	C6	24237	1,09	down
6000529	7190247	1350360	complement component 6	C6	24237	1,06	down
5841437	7190247	1350357	complement component 6	C6	24237	1,03	up
5964517	7190372	1350687	complement component 9	C9	117512	2,12	down
6468557	7190372	1350677	complement component 9	C9	117512	2,11	down
6434568	7190372	1350682	complement component 9	C9	117512	2,06	down
5883231	7190372	1350680	complement component 9	C9	117512	1,66	up
5995218	7190372	1350681	complement component 9	C9	117512	1,50	up
6465646	7190372	1350682	complement component 9	C9	117512	1,42	up
6034588	7190372	1350684	complement component 9	C9	117512	1,28	up
5989754	7190372	1350679	complement component 9	C9	117512	1,27	up
5631663	7190372	1350685	complement component 9	C9	117512	1,17	down
6620662	7190372	1350678	complement component 9	C9	117512	1,11	down
6571571	7190372	1350679	complement component 9	C9	117512	1,10	down
6712997	7190372	1350683	complement component 9	C9	117512	1,09	up
5839357	7190372	1350686	complement component 9	C9	117512	1,07	down
6350990	7291853	1600979	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,74	down
6423065	7291853	1600986	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,53	up
6417083	7291853	1600976	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,53	up
6251706	7291853	1600980	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,52	down
6612787	7291853	1600971	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,50	up

6373327	7291853	1600975	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,41	up
5872274	7291853	1600970	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,37	down
5688834	7291853	1600983	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,37	up
5754231	7291853	1600972	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,35	down
6228396	7291853	1600974	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,32	up
6550348	7291853	1600978	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,32	up
5660222	7291853	1600984	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,30	up
6632679	7291853	1600988	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,26	down
5908146	7291853	1600981	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,25	down
6525366	7291853	1600973	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,22	down
6255225	7291853	1600968	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,22	down
6345658	7291853	1600972	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,20	up
5828963	7291853	1600988	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,20	down
5677930	7291853	1600980	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,16	down
6539887	7291853	1600985	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,15	down
6238097	7291853	1600982	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,12	up
5947431	7291853	1600987	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,11	up
6531699	7291853	1600982	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,09	up
6306655	7291853	1600989	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,08	down
6096448	7291853	1600969	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,07	up
6256244	7291853	1600976	connector enhancer of kinase suppressor of Ras 1	Cnksr1	298545	1,03	down
6534989	7320042	1672545	contactin 1	Cntn1	117258	2,15	down
6404835	7320042	1672534	contactin 1	Cntn1	117258	2,00	up
6126847	7320042	1672529	contactin 1	Cntn1	117258	1,83	up
5947204	7320042	1672530	contactin 1	Cntn1	117258	1,73	down
5962115	7320042	1672533	contactin 1	Cntn1	117258	1,40	up
6222602	7320042	1672529	contactin 1	Cntn1	117258	1,38	up
6156127	7320042	1672538	contactin 1	Cntn1	117258	1,34	down
6311855	7320042	1672547	contactin 1	Cntn1	117258	1,33	down
6383149	7320042	1672548	contactin 1	Cntn1	117258	1,31	down
6584161	7320042	1672544	contactin 1	Cntn1	117258	1,31	down
6211777	7320042	1672551	contactin 1	Cntn1	117258	1,31	up
6338735	7320042	1672536	contactin 1	Cntn1	117258	1,30	up
6686478	7320042	1672546	contactin 1	Cntn1	117258	1,30	down
6259818	7320042	1672531	contactin 1	Cntn1	117258	1,27	up
6634594	7320042	1672549	contactin 1	Cntn1	117258	1,27	down
5731561	7320042	1672532	contactin 1	Cntn1	117258	1,26	down
6376403	7320042	1672537	contactin 1	Cntn1	117258	1,25	up
5807898	7320042	1672540	contactin 1	Cntn1	117258	1,25	down
6711584	7320042	1672543	contactin 1	Cntn1	117258	1,21	up
6311305	7320042	1672542	contactin 1	Cntn1	117258	1,14	up
6539852	7320042	1672535	contactin 1	Cntn1	117258	1,09	up
5978378	7320042	1672550	contactin 1	Cntn1	117258	1,09	down
6442624	7320042	1672548	contactin 1	Cntn1	117258	1,08	up
5760763	7320042	1672534	contactin 1	Cntn1	117258	1,07	up
6559862	7320042	1672539	contactin 1	Cntn1	117258	1,04	up
5894783	7320042	1672541	contactin 1	Cntn1	117258	1,00	up
6203967	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	2,01	down
6655280	7181169	1328159	contactin associated protein-like 4	Cntnap4	307865	1,60	down
6701351	7181169	1328140	contactin associated protein-like 4	Cntnap4	307865	1,58	down
6064086	7181169	1328131	contactin associated protein-like 4	Cntnap4	307865	1,48	up
6696761	7181169	1328139	contactin associated protein-like 4	Cntnap4	307865	1,43	down
6673440	7181169	1328158	contactin associated protein-like 4	Cntnap4	307865	1,31	down
6423952	7181169	1328155	contactin associated protein-like 4	Cntnap4	307865	1,29	down
5831325	7181169	1328145	contactin associated protein-like 4	Cntnap4	307865	1,28	down
5723172	7181169	1328109	contactin associated protein-like 4	Cntnap4	307865	1,24	up
6331423	7181169	1328139	contactin associated protein-like 4	Cntnap4	307865	1,22	down

5629706	7181169	1328123	contactin associated protein-like 4	Cntnap4	307865	1,22	down
6280618	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,20	down
6483796	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,19	up
6446547	7181169	1328109	contactin associated protein-like 4	Cntnap4	307865	1,19	up
6531626	7181169	1328104	contactin associated protein-like 4	Cntnap4	307865	1,19	down
6565042	7181169	1328092	contactin associated protein-like 4	Cntnap4	307865	1,17	up
6219205	7181169	1328146	contactin associated protein-like 4	Cntnap4	307865	1,17	up
6728483	7181169	1328142	contactin associated protein-like 4	Cntnap4	307865	1,16	down
6278061	7181169	1328135	contactin associated protein-like 4	Cntnap4	307865	1,15	down
6494872	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,14	up
6557300	7181169	1328154	contactin associated protein-like 4	Cntnap4	307865	1,12	up
5728860	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,12	down
6137767	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,11	up
6557470	7181169	1328151	contactin associated protein-like 4	Cntnap4	307865	1,08	up
5837255	7181169	1328160	contactin associated protein-like 4	Cntnap4	307865	1,08	up
6544606	7181169	1328147	contactin associated protein-like 4	Cntnap4	307865	1,05	up
5768509	7181169	1328128	contactin associated protein-like 4	Cntnap4	307865	1,04	down
5815719	7181169	1328130	contactin associated protein-like 4	Cntnap4	307865	1,04	up
5860068	7181169	1328152	contactin associated protein-like 4	Cntnap4	307865	1,03	up
6596713	7181169	1328135	contactin associated protein-like 4	Cntnap4	307865	1,03	up
6242869	7181169	1328144	contactin associated protein-like 4	Cntnap4	307865	1,03	up
6283530	7181169	1328136	contactin associated protein-like 4	Cntnap4	307865	1,01	down
6270337	7244305	1484199	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	2,20	down
5931559	7244305	1484203	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,72	up
6462266	7244305	1484201	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,60	down
6647175	7244305	1484196	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,56	down
5792227	7244305	1484194	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,34	down
5734026	7244305	1484191	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,29	up
6023621	7244305	1484191	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,27	up
6689798	7244305	1484193	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,22	up
5810307	7244305	1484195	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,21	down
6609263	7244305	1484198	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,18	up
5964083	7244305	1484192	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,18	up
6443645	7244305	1484191	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,13	up
6513582	7244305	1484198	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,12	down
6120453	7244305	1484202	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,07	down
5639986	7244305	1484200	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,06	down
5864918	7244305	1484197	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,06	down
6176090	7244305	1484204	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,06	down
5895362	7244305	1484204	COP9 constitutive photomorphogenic homolog subunit 2 (Arabidopsis)	Cops2	261736	1,02	down
6301255	7078117	1075371	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	2,10	down
5902785	7078117	1075373	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,58	down
6299427	7078117	1075380	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,27	down
6259432	7078117	1075371	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,22	up
6483487	7078117	1075382	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,22	up
6150202	7078117	1075381	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,18	down
5687365	7078117	1075375	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,17	up
6330426	7078117	1075377	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,16	up
6028549	7078117	1075374	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,14	up
6205133	7078117	1075372	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,13	up
6131094	7078117	1075379	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,08	up
6358498	7078117	1075378	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,05	up
6498029	7078117	1075376	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,02	down
6726048	7078117	1075380	COP9 constitutive photomorphogenic homolog subunit 3 (Arabidopsis)	Cops3	287367	1,00	down
5847396	7221247	1425824	copine V	Cpne5	309650	2,00	down
5849632	7221247	1425855	copine V	Cpne5	309650	1,72	up
6117061	7221247	1425846	copine V	Cpne5	309650	1,42	up

5994404	7221247	1425843	copine V	Cpne5	309650	1,30	down
5872218	7221247	1425857	copine V	Cpne5	309650	1,27	up
6601499	7221247	1425838	copine V	Cpne5	309650	1,26	down
6387666	7221247	1425837	copine V	Cpne5	309650	1,26	down
5933717	7221247	1425829	copine V	Cpne5	309650	1,25	down
6743255	7221247	1425830	copine V	Cpne5	309650	1,23	up
5694792	7221247	1425832	copine V	Cpne5	309650	1,19	down
6616394	7221247	1425836	copine V	Cpne5	309650	1,13	down
5666095	7221247	1425826	copine V	Cpne5	309650	1,11	down
6499257	7221247	1425857	copine V	Cpne5	309650	1,09	down
6249877	7221247	1425847	copine V	Cpne5	309650	1,09	up
6167722	7221247	1425849	copine V	Cpne5	309650	1,08	down
5694507	7221247	1425834	copine V	Cpne5	309650	1,07	down
5665260	7221247	1425822	copine V	Cpne5	309650	1,06	up
5657105	7221247	1425828	copine V	Cpne5	309650	1,05	down
6722972	7221247	1425827	copine V	Cpne5	309650	1,04	up
6284701	7221247	1425848	copine V	Cpne5	309650	1,04	down
6540743	7221247	1425839	copine V	Cpne5	309650	1,04	down
6164742	7221247	1425825	copine V	Cpne5	309650	1,03	up
6579562	7221247	1425856	copine V	Cpne5	309650	1,01	up
6016973	7221247	1425823	copine V	Cpne5	309650	1,01	up
6600575	7092406	1108789	coproporphyrinogen oxidase	Cpox	304024	2,07	down
6033506	7092406	1108787	coproporphyrinogen oxidase	Cpox	304024	1,45	up
5914146	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,43	up
5783517	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,41	up
6626043	7092406	1108788	coproporphyrinogen oxidase	Cpox	304024	1,39	up
6360382	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,21	down
6708816	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,19	down
6502964	7092406	1108781	coproporphyrinogen oxidase	Cpox	304024	1,09	up
6265748	7092406	1108784	coproporphyrinogen oxidase	Cpox	304024	1,03	up
6022817	7092406	1108780	coproporphyrinogen oxidase	Cpox	304024	1,03	down
5836618	7092406	1108786	coproporphyrinogen oxidase	Cpox	304024	1,01	up
6642666	7251008	1499975	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	2,25	down
6649395	7251008	1499977	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	1,38	down
6044654	7251008	1499975	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	1,26	up
6457885	7251008	1499976	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	1,10	down
5919552	7251008	1499977	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	1,08	down
6478055	7251008	1499974	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	1,07	down
5884581	7251008	1499975	core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase, 1	Clgalt1	65044	1,03	up
6240812	7285914	1586709	coronin, actin binding protein 2A	Coro2a	313235	2,19	down
6635686	7285914	1586706	coronin, actin binding protein 2A	Coro2a	313235	1,46	down
5690300	7285914	1586704	coronin, actin binding protein 2A	Coro2a	313235	1,40	down
6549339	7285914	1586710	coronin, actin binding protein 2A	Coro2a	313235	1,21	up
6404530	7285914	1586712	coronin, actin binding protein 2A	Coro2a	313235	1,18	up
5731467	7285914	1586703	coronin, actin binding protein 2A	Coro2a	313235	1,12	up
6433628	7285914	1586711	coronin, actin binding protein 2A	Coro2a	313235	1,10	up
6698642	7285914	1586713	coronin, actin binding protein 2A	Coro2a	313235	1,07	down
5619509	7285914	1586705	coronin, actin binding protein 2A	Coro2a	313235	1,07	up
6086227	7285914	1586702	coronin, actin binding protein 2A	Coro2a	313235	1,04	down
5935402	7285914	1586707	coronin, actin binding protein 2A	Coro2a	313235	1,03	up
6382835	7285914	1586708	coronin, actin binding protein 2A	Coro2a	313235	1,00	up
6178031	7080299	1080095	coronin, actin binding protein 6	Coro6	245982	2,24	down
6223532	7080299	1080088	coronin, actin binding protein 6	Coro6	245982	2,16	up
6713999	7080299	1080087	coronin, actin binding protein 6	Coro6	245982	1,76	down
6358459	7080299	1080090	coronin, actin binding protein 6	Coro6	245982	1,58	up
6030968	7080299	1080086	coronin, actin binding protein 6	Coro6	245982	1,50	down
5841382	7080299	1080095	coronin, actin binding protein 6	Coro6	245982	1,39	up

6172253	7080299	1080093	coronin, actin binding protein 6	Coro6	245982	1,35	up
6269926	7080299	1080089	coronin, actin binding protein 6	Coro6	245982	1,25	down
5711990	7080299	1080084	coronin, actin binding protein 6	Coro6	245982	1,25	down
6347821	7080299	1080085	coronin, actin binding protein 6	Coro6	245982	1,22	up
5910420	7080299	1080092	coronin, actin binding protein 6	Coro6	245982	1,15	up
6420023	7080299	1080095	coronin, actin binding protein 6	Coro6	245982	1,13	up
6406217	7080299	1080091	coronin, actin binding protein 6	Coro6	245982	1,12	down
6622419	7080299	1080094	coronin, actin binding protein 6	Coro6	245982	1,09	down
6187637	7080299	1080094	coronin, actin binding protein 6	Coro6	245982	1,06	down
5924361	7080299	1080091	coronin, actin binding protein 6	Coro6	245982	1,06	down
5792423	7072608	1062306	corticotropin releasing hormone receptor 1	Crhr1	58959	3,37	down
6096386	7072608	1062300	corticotropin releasing hormone receptor 1	Crhr1	58959	1,79	down
6620080	7072608	1062302	corticotropin releasing hormone receptor 1	Crhr1	58959	1,42	down
6042126	7072608	1062299	corticotropin releasing hormone receptor 1	Crhr1	58959	1,20	up
6054437	7072608	1062303	corticotropin releasing hormone receptor 1	Crhr1	58959	1,17	up
5774226	7072608	1062297	corticotropin releasing hormone receptor 1	Crhr1	58959	1,17	up
6349628	7072608	1062297	corticotropin releasing hormone receptor 1	Crhr1	58959	1,15	up
6699101	7072608	1062308	corticotropin releasing hormone receptor 1	Crhr1	58959	1,14	up
6221617	7072608	1062309	corticotropin releasing hormone receptor 1	Crhr1	58959	1,10	down
5774943	7072608	1062301	corticotropin releasing hormone receptor 1	Crhr1	58959	1,09	up
6361070	7072608	1062305	corticotropin releasing hormone receptor 1	Crhr1	58959	1,05	up
5915164	7072608	1062307	corticotropin releasing hormone receptor 1	Crhr1	58959	1,03	up
5982311	7072608	1062304	corticotropin releasing hormone receptor 1	Crhr1	58959	1,02	down
6649024	7072608	1062298	corticotropin releasing hormone receptor 1	Crhr1	58959	1,02	up
5836942	7072608	1062298	corticotropin releasing hormone receptor 1	Crhr1	58959	1,00	up
5708086	7186220	1340760	COX4 neighbor	Cox4nb	361425	2,51	down
5802729	7186220	1340758	COX4 neighbor	Cox4nb	361425	1,98	up
6713781	7186220	1340755	COX4 neighbor	Cox4nb	361425	1,23	down
6618905	7186220	1340759	COX4 neighbor	Cox4nb	361425	1,22	up
6059417	7186220	1340757	COX4 neighbor	Cox4nb	361425	1,09	up
6651671	7186220	1340756	COX4 neighbor	Cox4nb	361425	1,07	up
6566328	7201680	1379712	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	2,05	down
5883765	7201680	1379712	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,52	up
6275393	7201680	1379713	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,48	down
6167900	7201680	1379711	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,48	down
5641149	7201680	1379713	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,43	down
6379113	7201680	1379711	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,39	up
6435729	7201680	1379706	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,21	up
6196586	7201680	1379710	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,17	up
6686443	7201680	1379712	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,15	down
6257228	7201680	1379710	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,08	down
6718476	7201680	1379708	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,08	up
5732539	7201680	1379707	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,04	down
6666741	7201680	1379709	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,03	up
6079264	7201680	1379708	coxsackie virus and adenovirus receptor-like 1	Cxadr1l	361873	1,00	up
6570994	7107966	1146926	C-reactive protein, pentraxin-related	Crp	25419	2,59	up
6544543	7107966	1146928	C-reactive protein, pentraxin-related	Crp	25419	1,65	down
5904917	7107966	1146926	C-reactive protein, pentraxin-related	Crp	25419	1,55	up
6079565	7107966	1146927	C-reactive protein, pentraxin-related	Crp	25419	1,31	down
5745620	7107966	1146927	C-reactive protein, pentraxin-related	Crp	25419	1,26	down
5751934	7310704	1649085	creatine kinase, brain	Ckb	24264	2,48	up
5659771	7310704	1649077	creatine kinase, brain	Ckb	24264	1,84	up
5910869	7310704	1649081	creatine kinase, brain	Ckb	24264	1,78	up
5987828	7310704	1649078	creatine kinase, brain	Ckb	24264	1,60	down
6487385	7310704	1649078	creatine kinase, brain	Ckb	24264	1,36	down
6113931	7310704	1649084	creatine kinase, brain	Ckb	24264	1,35	down
6502513	7310704	1649080	creatine kinase, brain	Ckb	24264	1,31	down

5621815	7310704	1649083	creatine kinase, brain	Ckb	24264	1,26	down
6088000	7310704	1649082	creatine kinase, brain	Ckb	24264	1,17	up
6394200	7310704	1649079	creatine kinase, brain	Ckb	24264	1,15	up
6354062	7231820	1452230	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	2,00	down
5723028	7231820	1452238	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,45	down
5851597	7231820	1452230	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,18	down
5849376	7231820	1452236	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,14	down
6467715	7231820	1452231	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,11	up
6297700	7231820	1452230	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,09	up
6439374	7231820	1452232	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,08	up
5717293	7231820	1452233	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,06	up
6105315	7231820	1452237	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,02	up
5772835	7231820	1452234	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,01	up
5667908	7231820	1452235	creatine kinase, mitochondrial 1, ubiquitous	Ckmt1	29593	1,00	down
6719923	7303515	1630946	crooked neck pre-mRNA splicing factor-like 1 (Drosophila)	Crnkl1	116481	2,11	down
6085029	7303515	1630947	crooked neck pre-mRNA splicing factor-like 1 (Drosophila)	Crnkl1	116481	1,45	up
6108128	7303515	1630947	crooked neck pre-mRNA splicing factor-like 1 (Drosophila)	Crnkl1a	116481	1,01	up
5795893	7223099	1430276	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	4,49	up
6017153	7223099	1430254	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	3,07	down
6105935	7223099	1430242	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,83	up
6664303	7223099	1430277	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,75	up
6576821	7223099	1430253	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,68	up
6014631	7223099	1430275	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,18	up
6744067	7223099	1430274	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,18	up
6189538	7223099	1430238	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,18	up
5758969	7223099	1430243	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	2,03	up
6357837	7223099	1430271	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,98	up
6287082	7223099	1430278	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,97	up
6335329	7223099	1430257	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,94	down
6111816	7223099	1430251	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,89	up
6272592	7223099	1430259	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,85	down
6564361	7223099	1430272	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,77	up
6016597	7223099	1430252	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,67	down
6043500	7223099	1430269	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,66	up
5720500	7223099	1430265	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,51	up
6134962	7223099	1430278	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,48	up
5779078	7223099	1430260	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,47	down
6075525	7223099	1430258	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,43	down
6286198	7223099	1430241	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,42	up
6175372	7223099	1430255	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,41	down
6350905	7223099	1430248	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,40	down
6096575	7223099	1430266	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,38	down
6002676	7223099	1430265	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,37	down
6621580	7223099	1430273	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,36	up
5710332	7223099	1430270	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,32	up
6132096	7223099	1430248	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,30	up
5651222	7223099	1430251	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,29	down
5832760	7223099	1430249	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,24	up
5765954	7223099	1430250	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,22	up
6090587	7223099	1430232	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,21	up
5868551	7223099	1430234	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,20	down
6134363	7223099	1430261	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,20	down
6488595	7223099	1430264	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,17	up
5899855	7223099	1430262	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,15	down
5909310	7223099	1430256	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,14	up
6021603	7223099	1430235	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,14	down
6011728	7223099	1430271	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,12	up

6061898	7223099	1430245	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,12	down
5785978	7223099	1430233	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,11	up
6339167	7223099	1430266	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,10	up
6120217	7223099	1430237	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,10	up
5963184	7223099	1430251	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,08	down
6491505	7223099	1430258	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,07	down
6349470	7223099	1430240	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,07	down
6199623	7223099	1430246	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,06	up
6158010	7223099	1430244	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,05	down
6578017	7223099	1430267	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,05	down
6028324	7223099	1430247	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,05	up
6729210	7223099	1430263	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,02	up
6474206	7223099	1430268	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,02	down
5986258	7223099	1430255	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,01	down
5796502	7223099	1430239	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,01	up
5716139	7223099	1430236	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,01	up
6700959	7223099	1430271	c-ros oncogene 1 , receptor tyrosine kinase	Ros1	25346	1,00	down
6108763	7363787	1778648	crystallin, beta A2	Cryba2	286925	2,55	up
6475518	7363787	1778649	crystallin, beta A2	Cryba2	286925	2,24	down
6017343	7363787	1778650	crystallin, beta A2	Cryba2	286925	1,67	down
5916668	7363787	1778651	crystallin, beta A2	Cryba2	286925	1,32	down
6572747	7363787	1778652	crystallin, beta A2	Cryba2	286925	1,18	down
5644064	7138556	1222444	crystallin, lambda 1	Cry11	290277	2,03	down
6026545	7138556	1222437	crystallin, lambda 1	Cry11	290277	1,34	down
6124221	7138556	1222438	crystallin, lambda 1	Cry11	290277	1,24	down
6601149	7138556	1222439	crystallin, lambda 1	Cry11	290277	1,17	down
5691556	7138556	1222442	crystallin, lambda 1	Cry11	290277	1,17	up
5780586	7138556	1222443	crystallin, lambda 1	Cry11	290277	1,13	down
5682596	7138556	1222441	crystallin, lambda 1	Cry11	290277	1,11	up
6420129	7138556	1222440	crystallin, lambda 1	Cry11	290277	1,08	up
6223031	7138556	1222439	crystallin, lambda 1	Cry11	290277	1,08	up
5732258	7138556	1222445	crystallin, lambda 1	Cry11	290277	1,03	down
6601971	7346229	1735585	c-src tyrosine kinase	Csk	315707	3,00	down
6593999	7346229	1735590	c-src tyrosine kinase	Csk	315707	1,30	down
6078735	7346229	1735592	c-src tyrosine kinase	Csk	315707	1,28	up
6241354	7346229	1735580	c-src tyrosine kinase	Csk	315707	1,25	down
6366910	7346229	1735583	c-src tyrosine kinase	Csk	315707	1,22	up
6606196	7346229	1735581	c-src tyrosine kinase	Csk	315707	1,16	up
6737745	7346229	1735582	c-src tyrosine kinase	Csk	315707	1,12	down
6321029	7346229	1735587	c-src tyrosine kinase	Csk	315707	1,10	up
5962562	7346229	1735591	c-src tyrosine kinase	Csk	315707	1,05	up
5895197	7346229	1735588	c-src tyrosine kinase	Csk	315707	1,05	down
6089208	7346229	1735579	c-src tyrosine kinase	Csk	315707	1,02	up
5619806	7346229	1735584	c-src tyrosine kinase	Csk	315707	1,01	up
5682372	7346229	1735586	c-src tyrosine kinase	Csk	315707	1,00	down
6305823	7356027	1759981	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	2,34	down
6439126	7356027	1759985	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,20	down
6090600	7356027	1759987	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,18	up
5820893	7356027	1759983	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,14	down
5862579	7356027	1759984	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,07	down
6721398	7356027	1759985	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,06	down
5945379	7356027	1759986	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,06	down
6413042	7356027	1759978	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,01	down
5929870	7356027	1759986	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase 1	Ctdsp1	363249	1,00	up
6327539	7341264	1723360	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	2,14	down
6272268	7341264	1723365	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,87	down
6113213	7341264	1723357	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,29	down

6626946	7341264	1723367	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,28	down
6269869	7341264	1723367	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,15	down
6146266	7341264	1723366	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,13	down
5881690	7341264	1723348	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,11	up
6600197	7341264	1723355	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,07	up
6534785	7341264	1723353	CTD (carboxy-terminal domain, RNA polymerase II, polypeptide A) small phosphatase-like	Ctdspl	301056	1,04	up
6682460	7381168	1823183	CTP synthase II	Ctps2	619580	2,08	up
6111181	7381168	1823192	CTP synthase II	Ctps2	619580	1,95	down
6481575	7381168	1823174	CTP synthase II	Ctps2	619580	1,36	down
6227132	7381168	1823189	CTP synthase II	Ctps2	619580	1,35	up
6360052	7381168	1823182	CTP synthase II	Ctps2	619580	1,33	down
6506097	7381168	1823175	CTP synthase II	Ctps2	619580	1,31	down
5678130	7381168	1823188	CTP synthase II	Ctps2	619580	1,28	down
6046873	7381168	1823175	CTP synthase II	Ctps2	619580	1,25	down
6393549	7381168	1823178	CTP synthase II	Ctps2	619580	1,24	up
5846703	7381168	1823181	CTP synthase II	Ctps2	619580	1,23	up
6734685	7381168	1823179	CTP synthase II	Ctps2	619580	1,21	up
5860624	7381168	1823187	CTP synthase II	Ctps2	619580	1,20	down
6124238	7381168	1823184	CTP synthase II	Ctps2	619580	1,12	up
6343096	7381168	1823176	CTP synthase II	Ctps2	619580	1,12	up
6044762	7381168	1823189	CTP synthase II	Ctps2	619580	1,10	up
6396688	7381168	1823190	CTP synthase II	Ctps2	619580	1,09	down
6619558	7381168	1823191	CTP synthase II	Ctps2	619580	1,09	down
6302296	7381168	1823185	CTP synthase II	Ctps2	619580	1,04	down
6420759	7381168	1823180	CTP synthase II	Ctps2	619580	1,03	down
6308362	7381168	1823177	CTP synthase II	Ctps2	619580	1,03	up
6607194	7381168	1823186	CTP synthase II	Ctps2	619580	1,02	down
6450399	7381168	1823191	CTP synthase II	Ctps2	619580	1,01	down
6354388	7269385	1545753	C-type lectin domain family 4, member e	Clec4e	450223	2,16	down
5934565	7269385	1545752	C-type lectin domain family 4, member e	Clec4e	450223	1,82	down
6713022	7269385	1545750	C-type lectin domain family 4, member e	Clec4e	450223	1,53	up
6574449	7269385	1545751	C-type lectin domain family 4, member e	Clec4e	450223	1,16	up
6284305	7269385	1545749	C-type lectin domain family 4, member e	Clec4e	450223	1,11	up
6560157	7269385	1545748	C-type lectin domain family 4, member e	Clec4e	450223	1,09	up
6051080	7269385	1545750	C-type lectin domain family 4, member e	Clec4e	450223	1,07	down
6142365	7147416	1244467	CUB and Sushi multiple domains 1	Csmd1	364634	2,07	up
5847414	7147416	1244421	CUB and Sushi multiple domains 1	Csmd1	364634	2,00	up
6160265	7147416	1244389	CUB and Sushi multiple domains 1	Csmd1	364634	1,92	up
6101926	7147416	1244444	CUB and Sushi multiple domains 1	Csmd1	364634	1,90	up
6701921	7147416	1244443	CUB and Sushi multiple domains 1	Csmd1	364634	1,89	up
5689964	7147416	1244442	CUB and Sushi multiple domains 1	Csmd1	364634	1,82	up
6407081	7147416	1244430	CUB and Sushi multiple domains 1	Csmd1	364634	1,78	up
6461527	7147416	1244477	CUB and Sushi multiple domains 1	Csmd1	364634	1,76	down
6503846	7147416	1244402	CUB and Sushi multiple domains 1	Csmd1	364634	1,75	down
6009216	7147416	1244433	CUB and Sushi multiple domains 1	Csmd1	364634	1,63	down
6346348	7147416	1244465	CUB and Sushi multiple domains 1	Csmd1	364634	1,61	up
6413763	7147416	1244433	CUB and Sushi multiple domains 1	Csmd1	364634	1,60	down
6431407	7147416	1244361	CUB and Sushi multiple domains 1	Csmd1	364634	1,55	up
6500887	7147416	1244424	CUB and Sushi multiple domains 1	Csmd1	364634	1,42	up
6499566	7147416	1244386	CUB and Sushi multiple domains 1	Csmd1	364634	1,41	up
6217946	7147416	1244463	CUB and Sushi multiple domains 1	Csmd1	364634	1,41	down
6120726	7147416	1244473	CUB and Sushi multiple domains 1	Csmd1	364634	1,41	up
6730876	7147416	1244399	CUB and Sushi multiple domains 1	Csmd1	364634	1,39	up
6170196	7147416	1244418	CUB and Sushi multiple domains 1	Csmd1	364634	1,38	down
6165969	7147416	1244466	CUB and Sushi multiple domains 1	Csmd1	364634	1,37	up
6612807	7147416	1244304	CUB and Sushi multiple domains 1	Csmd1	364634	1,35	up
6630847	7147416	1244471	CUB and Sushi multiple domains 1	Csmd1	364634	1,34	up

6450821	7147416	1244363	CUB and Sushi multiple domains 1	Csmd1	364634	1,32	up
6395524	7147416	1244486	CUB and Sushi multiple domains 1	Csmd1	364634	1,30	up
5619026	7147416	1244425	CUB and Sushi multiple domains 1	Csmd1	364634	1,28	up
5754750	7147416	1244487	CUB and Sushi multiple domains 1	Csmd1	364634	1,26	down
6574024	7147416	1244446	CUB and Sushi multiple domains 1	Csmd1	364634	1,26	down
5625601	7147416	1244356	CUB and Sushi multiple domains 1	Csmd1	364634	1,23	down
6496508	7147416	1244373	CUB and Sushi multiple domains 1	Csmd1	364634	1,22	up
5628114	7147416	1244478	CUB and Sushi multiple domains 1	Csmd1	364634	1,21	down
6477735	7147416	1244448	CUB and Sushi multiple domains 1	Csmd1	364634	1,20	up
6310630	7147416	1244480	CUB and Sushi multiple domains 1	Csmd1	364634	1,18	down
6188051	7147416	1244470	CUB and Sushi multiple domains 1	Csmd1	364634	1,18	up
6612302	7147416	1244409	CUB and Sushi multiple domains 1	Csmd1	364634	1,17	down
5834947	7147416	1244398	CUB and Sushi multiple domains 1	Csmd1	364634	1,17	down
6410036	7147416	1244439	CUB and Sushi multiple domains 1	Csmd1	364634	1,16	down
6088289	7147416	1244415	CUB and Sushi multiple domains 1	Csmd1	364634	1,15	down
5756725	7147416	1244445	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	up
6094296	7147416	1244481	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	down
6124370	7147416	1244431	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	up
6365459	7147416	1244398	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	up
6667534	7147416	1244395	CUB and Sushi multiple domains 1	Csmd1	364634	1,14	down
6009438	7147416	1244392	CUB and Sushi multiple domains 1	Csmd1	364634	1,13	down
5985598	7147416	1244417	CUB and Sushi multiple domains 1	Csmd1	364634	1,13	down
5705669	7147416	1244385	CUB and Sushi multiple domains 1	Csmd1	364634	1,13	up
6411361	7147416	1244472	CUB and Sushi multiple domains 1	Csmd1	364634	1,12	down
5676203	7147416	1244484	CUB and Sushi multiple domains 1	Csmd1	364634	1,12	up
5714839	7147416	1244474	CUB and Sushi multiple domains 1	Csmd1	364634	1,12	down
6611353	7147416	1244351	CUB and Sushi multiple domains 1	Csmd1	364634	1,11	down
6499875	7147416	1244410	CUB and Sushi multiple domains 1	Csmd1	364634	1,11	down
6009136	7147416	1244455	CUB and Sushi multiple domains 1	Csmd1	364634	1,11	up
6019193	7147416	1244423	CUB and Sushi multiple domains 1	Csmd1	364634	1,10	up
6125074	7147416	1244483	CUB and Sushi multiple domains 1	Csmd1	364634	1,10	up
6404690	7147416	1244389	CUB and Sushi multiple domains 1	Csmd1	364634	1,09	down
6312234	7147416	1244419	CUB and Sushi multiple domains 1	Csmd1	364634	1,09	up
6455987	7147416	1244435	CUB and Sushi multiple domains 1	Csmd1	364634	1,09	up
5779236	7147416	1244479	CUB and Sushi multiple domains 1	Csmd1	364634	1,08	up
6015131	7147416	1244488	CUB and Sushi multiple domains 1	Csmd1	364634	1,08	up
5737269	7147416	1244427	CUB and Sushi multiple domains 1	Csmd1	364634	1,08	down
6151390	7147416	1244425	CUB and Sushi multiple domains 1	Csmd1	364634	1,07	down
6092963	7147416	1244426	CUB and Sushi multiple domains 1	Csmd1	364634	1,06	up
5796721	7147416	1244413	CUB and Sushi multiple domains 1	Csmd1	364634	1,05	up
6539544	7147416	1244387	CUB and Sushi multiple domains 1	Csmd1	364634	1,05	down
5693080	7147416	1244422	CUB and Sushi multiple domains 1	Csmd1	364634	1,04	down
6560831	7147416	1244373	CUB and Sushi multiple domains 1	Csmd1	364634	1,04	down
6441125	7147416	1244288	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	down
6225372	7147416	1244396	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	up
6213789	7147416	1244460	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	up
5831980	7147416	1244342	CUB and Sushi multiple domains 1	Csmd1	364634	1,03	up
5652042	7147416	1244460	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	down
6107838	7147416	1244456	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	up
6576331	7147416	1244376	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	up
6165282	7147416	1244301	CUB and Sushi multiple domains 1	Csmd1	364634	1,01	up
6692858	7147416	1244441	CUB and Sushi multiple domains 1	Csmd1	364634	1,00	up
6279759	7147416	1244391	CUB and Sushi multiple domains 1	Csmd1	364634	1,00	down
6008158	7372840	1803777	cullin 4B	Cul4b	302502	2,04	up
6316586	7372840	1803765	cullin 4B	Cul4b	302502	1,65	up
6016556	7372840	1803789	cullin 4B	Cul4b	302502	1,54	down
6087300	7372840	1803783	cullin 4B	Cul4b	302502	1,47	up

5674923	7372840	1803776	cullin 4B	Cul4b	302502	1,46	down
6079630	7372840	1803780	cullin 4B	Cul4b	302502	1,42	up
5898431	7372840	1803771	cullin 4B	Cul4b	302502	1,38	up
6347079	7372840	1803768	cullin 4B	Cul4b	302502	1,35	up
6464681	7372840	1803784	cullin 4B	Cul4b	302502	1,26	up
6226885	7372840	1803779	cullin 4B	Cul4b	302502	1,24	up
5676594	7372840	1803770	cullin 4B	Cul4b	302502	1,23	down
6481057	7372840	1803782	cullin 4B	Cul4b	302502	1,22	up
6516858	7372840	1803789	cullin 4B	Cul4b	302502	1,18	down
6451914	7372840	1803787	cullin 4B	Cul4b	302502	1,17	up
5831328	7372840	1803766	cullin 4B	Cul4b	302502	1,17	up
5947292	7372840	1803785	cullin 4B	Cul4b	302502	1,12	down
6310825	7372840	1803781	cullin 4B	Cul4b	302502	1,11	down
5868312	7372840	1803770	cullin 4B	Cul4b	302502	1,09	down
5628198	7372840	1803774	cullin 4B	Cul4b	302502	1,09	down
5949845	7372840	1803770	cullin 4B	Cul4b	302502	1,09	up
6451328	7372840	1803775	cullin 4B	Cul4b	302502	1,08	up
5898244	7372840	1803788	cullin 4B	Cul4b	302502	1,07	down
6624276	7372840	1803772	cullin 4B	Cul4b	302502	1,03	up
6636667	7372840	1803786	cullin 4B	Cul4b	302502	1,02	up
6585475	7372840	1803770	cullin 4B	Cul4b	302502	1,01	up
6603060	7372840	1803778	cullin 4B	Cul4b	302502	1,00	down
6524852	7257586	1516761	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	2,08	up
5849471	7257586	1516758	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,78	up
5633375	7257586	1516774	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,57	down
6062961	7257586	1516764	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,30	up
5969966	7257586	1516765	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,27	down
6022873	7257586	1516766	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,22	down
6306207	7257586	1516773	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,20	up
6220740	7257586	1516768	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,16	down
6374300	7257586	1516762	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,16	down
6369245	7257586	1516763	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,15	down
6512175	7257586	1516759	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,13	down
6550369	7257586	1516758	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,12	up
6610871	7257586	1516760	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,11	up
6583629	7257586	1516771	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,05	up
5962362	7257586	1516769	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,04	down
6262538	7257586	1516772	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,02	down
6386414	7257586	1516767	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,02	down
5891147	7257586	1516770	cullin-associated and neddylation-dissociated 2 (putative)	Cand2	192226	1,00	up
6167566	7098411	1123724	cut-like homeobox 2	Cux2	288665	3,17	down
6094832	7098411	1123737	cut-like homeobox 2	Cux2	288665	2,16	down
5964347	7098411	1123737	cut-like homeobox 2	Cux2	288665	2,06	down
6161184	7098411	1123733	cut-like homeobox 2	Cux2	288665	1,85	down
6375234	7098411	1123736	cut-like homeobox 2	Cux2	288665	1,69	down
6164123	7098411	1123714	cut-like homeobox 2	Cux2	288665	1,64	down
6384311	7098411	1123720	cut-like homeobox 2	Cux2	288665	1,58	up
5895976	7098411	1123704	cut-like homeobox 2	Cux2	288665	1,41	up
6569983	7098411	1123737	cut-like homeobox 2	Cux2	288665	1,34	down
5870698	7098411	1123709	cut-like homeobox 2	Cux2	288665	1,32	down
6476481	7098411	1123726	cut-like homeobox 2	Cux2	288665	1,31	up
6304754	7098411	1123737	cut-like homeobox 2	Cux2	288665	1,27	up
6281481	7098411	1123726	cut-like homeobox 2	Cux2	288665	1,22	up
6146315	7098411	1123725	cut-like homeobox 2	Cux2	288665	1,13	down
6357094	7098411	1123713	cut-like homeobox 2	Cux2	288665	1,08	up
6162317	7098411	1123727	cut-like homeobox 2	Cux2	288665	1,07	up
5843088	7098411	1123721	cut-like homeobox 2	Cux2	288665	1,05	up

6128077	7098411	1123722	cut-like homeobox 2	Cux2	288665	1,05	down
6525377	7098411	1123716	cut-like homeobox 2	Cux2	288665	1,03	down
5860920	7098411	1123715	cut-like homeobox 2	Cux2	288665	1,03	down
5658070	7098411	1123713	cut-like homeobox 2	Cux2	288665	1,02	up
6362192	7098411	1123734	cut-like homeobox 2	Cux2	288665	1,02	up
5623729	7311648	1651371	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	2,84	down
6582842	7311648	1651368	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	2,54	down
5963454	7311648	1651369	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,69	down
6393009	7311648	1651367	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,64	up
5867793	7311648	1651366	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,61	up
6691134	7311648	1651379	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,43	up
5654655	7311648	1651378	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,40	down
5970921	7311648	1651370	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,38	up
6053210	7311648	1651373	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,27	down
5904147	7311648	1651376	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,17	up
6107029	7311648	1651386	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,15	up
5773970	7311648	1651380	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,15	up
6035130	7311648	1651368	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,13	down
6658329	7311648	1651377	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,10	down
6545862	7311648	1651385	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,09	down
6575117	7311648	1651372	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,09	up
5640078	7311648	1651381	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,04	up
5991452	7311648	1651383	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,04	down
5966379	7311648	1651382	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,03	down
6319735	7311648	1651369	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,02	up
5920818	7311648	1651384	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,01	down
6109533	7311648	1651378	CWF19-like 2, cell cycle control (S. pombe)	Cwf19I2	362804	1,01	down
6638420	7203074	1382789	cyclin B1	Ccnb1	25203	2,07	down
6160400	7203074	1382792	cyclin B1	Ccnb1	25203	1,41	up
6118319	7203074	1382787	cyclin B1	Ccnb1	25203	1,18	up
6526186	7203074	1382786	cyclin B1	Ccnb1	25203	1,17	down
6016262	7203074	1382784	cyclin B1	Ccnb1	25203	1,13	up
6398904	7203074	1382791	cyclin B1	Ccnb1	25203	1,12	down
6191333	7203074	1382788	cyclin B1	Ccnb1	25203	1,12	up
5812672	7203074	1382785	cyclin B1	Ccnb1	25203	1,05	up
6499127	7203074	1382790	cyclin B1	Ccnb1	25203	1,02	down
5709982	7050384	1010455	cyclin E1	Ccne1	25729	2,09	down
6156315	7050384	1010447	cyclin E1	Ccne1	25729	1,83	up
6356623	7050384	1010449	cyclin E1	Ccne1	25729	1,37	down
5785349	7050384	1010448	cyclin E1	Ccne1	25729	1,26	up
5802904	7050384	1010454	cyclin E1	Ccne1	25729	1,24	down
6166203	7050384	1010453	cyclin E1	Ccne1	25729	1,22	down
5722109	7050384	1010447	cyclin E1	Ccne1	25729	1,15	down
5827600	7050384	1010452	cyclin E1	Ccne1	25729	1,13	down
6591424	7050384	1010456	cyclin E1	Ccne1	25729	1,12	up
5759462	7050384	1010447	cyclin E1	Ccne1	25729	1,09	up
6600605	7050384	1010451	cyclin E1	Ccne1	25729	1,03	up
5846396	7050384	1010450	cyclin E1	Ccne1	25729	1,03	down
6526154	7050384	1010459	cyclin E1	Ccne1	25729	1,02	down
6066127	7050384	1010457	cyclin E1	Ccne1	25729	1,01	up
5663349	7209338	1397450	cyclin L1	Ccnl1	114121	2,06	up
6545661	7209338	1397454	cyclin L1	Ccnl1	114121	1,77	down
6533085	7209338	1397451	cyclin L1	Ccnl1	114121	1,69	down
5705823	7209338	1397454	cyclin L1	Ccnl1	114121	1,50	down
6615069	7209338	1397446	cyclin L1	Ccnl1	114121	1,48	down
6611290	7209338	1397448	cyclin L1	Ccnl1	114121	1,40	up
5619276	7209338	1397449	cyclin L1	Ccnl1	114121	1,37	down

5911285	7209338	1397442	cyclin L1	Ccn1l	114121	1,33	up
5963549	7209338	1397454	cyclin L1	Ccn1l	114121	1,28	up
5841586	7209338	1397454	cyclin L1	Ccn1l	114121	1,23	up
5732742	7209338	1397454	cyclin L1	Ccn1l	114121	1,21	down
6433931	7209338	1397444	cyclin L1	Ccn1l	114121	1,21	down
5794266	7209338	1397443	cyclin L1	Ccn1l	114121	1,20	up
6468440	7209338	1397445	cyclin L1	Ccn1l	114121	1,15	up
6588684	7209338	1397451	cyclin L1	Ccn1l	114121	1,12	up
6177037	7209338	1397447	cyclin L1	Ccn1l	114121	1,10	up
5862380	7209338	1397442	cyclin L1	Ccn1l	114121	1,07	down
5693458	7209338	1397453	cyclin L1	Ccn1l	114121	1,03	down
5745898	7209338	1397452	cyclin L1	Ccn1l	114121	1,01	up
6297504	7059051	1029397	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	2,08	down
5811386	7059051	1029397	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,76	up
6184742	7059051	1029399	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,44	down
6429942	7059051	1029395	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,42	up
5936933	7059051	1029397	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,20	down
5773867	7059051	1029400	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,19	down
5899052	7059051	1029398	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,03	down
6074351	7059051	1029400	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,03	down
6048294	7059051	1029398	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,02	up
5685556	7059051	1029396	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,00	up
6301446	7059051	1029398	cyclin-dependent kinase inhibitor 1C (P57)	Cdkn1c	246060	1,00	up
5868348	7307467	1641221	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	2,17	down
6579616	7307467	1641215	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,43	up
6745167	7307467	1641212	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,37	up
6622964	7307467	1641218	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,14	down
6684258	7307467	1641213	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,14	up
5996233	7307467	1641217	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,12	down
6067502	7307467	1641214	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,10	down
6506161	7307467	1641216	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,05	up
6577822	7307467	1641219	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,03	down
6532600	7307467	1641220	cyclin-dependent kinase-like 1 (CDC2-related kinase)	Cdkl1	314198	1,02	up
5651794	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	2,04	down
6710306	7314821	1659016	cysteine and glycine-rich protein 2	Csrp2	29317	1,93	down
6339794	7314821	1659017	cysteine and glycine-rich protein 2	Csrp2	29317	1,58	down
6459833	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	1,53	down
6014536	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	1,29	down
5819359	7314821	1659018	cysteine and glycine-rich protein 2	Csrp2	29317	1,16	up
6100787	7314821	1659015	cysteine and glycine-rich protein 2	Csrp2	29317	1,08	up
5960099	7314821	1659019	cysteine and glycine-rich protein 2	Csrp2	29317	1,06	up
5921457	7332099	1700807	cysteine sulfinic acid decarboxylase	Csad	60356	2,57	up
6656497	7332099	1700803	cysteine sulfinic acid decarboxylase	Csad	60356	1,87	down
6118198	7332099	1700796	cysteine sulfinic acid decarboxylase	Csad	60356	1,71	up
6685359	7332099	1700794	cysteine sulfinic acid decarboxylase	Csad	60356	1,70	down
5732737	7332099	1700792	cysteine sulfinic acid decarboxylase	Csad	60356	1,63	up
5891926	7332099	1700799	cysteine sulfinic acid decarboxylase	Csad	60356	1,60	up
6251375	7332099	1700802	cysteine sulfinic acid decarboxylase	Csad	60356	1,59	up
6644329	7332099	1700792	cysteine sulfinic acid decarboxylase	Csad	60356	1,57	up
5766912	7332099	1700805	cysteine sulfinic acid decarboxylase	Csad	60356	1,53	down
6236959	7332099	1700801	cysteine sulfinic acid decarboxylase	Csad	60356	1,48	down
6668038	7332099	1700798	cysteine sulfinic acid decarboxylase	Csad	60356	1,47	down
6666108	7332099	1700791	cysteine sulfinic acid decarboxylase	Csad	60356	1,41	down
6175686	7332099	1700804	cysteine sulfinic acid decarboxylase	Csad	60356	1,36	up
6349165	7332099	1700797	cysteine sulfinic acid decarboxylase	Csad	60356	1,17	up
6237408	7332099	1700793	cysteine sulfinic acid decarboxylase	Csad	60356	1,16	down
5936784	7332099	1700806	cysteine sulfinic acid decarboxylase	Csad	60356	1,11	up

6491377	7332099	1700800	cysteine sulfinic acid decarboxylase	Csad	60356	1,11	down
6353164	7332099	1700795	cysteine sulfinic acid decarboxylase	Csad	60356	1,03	up
5649356	7376206	1811979	cysteine-rich hydrophobic domain 1	Chic1	363484	1,32	down
6513207	7376206	1811972	cysteine-rich hydrophobic domain 1	Chic1	363484	1,11	up
6296482	7302155	1627302	cysteine-rich protein 2	Crip2	338401	2,16	down
6105619	7302155	1627298	cysteine-rich protein 2	Crip2	338401	1,81	up
5904258	7302155	1627301	cysteine-rich protein 2	Crip2	338401	1,45	up
5836477	7302155	1627299	cysteine-rich protein 2	Crip2	338401	1,43	down
5709774	7302155	1627302	cysteine-rich protein 2	Crip2	338401	1,24	down
5812115	7302155	1627303	cysteine-rich protein 2	Crip2	338401	1,18	down
6209047	7302155	1627300	cysteine-rich protein 2	Crip2	338401	1,17	down
6226061	7302155	1627305	cysteine-rich protein 2	Crip2	338401	1,12	down
5844566	7302155	1627304	cysteine-rich protein 2	Crip2	338401	1,02	up
6667790	7282430	1578881	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	3,20	up
6282836	7282430	1578881	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	2,99	up
6623819	7282430	1578880	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	2,01	down
6432115	7282430	1578881	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,92	up
6203096	7282430	1578874	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,83	up
5870790	7282430	1578864	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,67	down
5963829	7282430	1578871	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,60	down
5687371	7282430	1578874	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,41	down
6148295	7282430	1578868	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,38	up
6274230	7282430	1578865	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,37	down
5748882	7282430	1578880	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,33	down
6346898	7282430	1578877	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,25	down
6493009	7282430	1578872	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,20	down
5633786	7282430	1578870	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,18	down
5952100	7282430	1578864	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,17	down
6741978	7282430	1578865	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,17	down
5967803	7282430	1578867	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,11	down
6666420	7282430	1578875	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,10	up
6420674	7282430	1578876	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,09	down
6154179	7282430	1578869	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,06	up
6587229	7282430	1578866	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,02	up
6344181	7282430	1578873	cysteine-rich secretory protein LCCL domain containing 1	Crispld1	316482	1,02	up
6431137	7296860	1613439	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,89	down
6272054	7296860	1613437	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,75	up
6190723	7296860	1613438	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,72	up
6211752	7296860	1613435	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,67	up
6122175	7296860	1613435	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,50	down
5786104	7296860	1613440	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,31	up
6577360	7296860	1613439	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,17	down
6688514	7296860	1613439	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,14	down
6369627	7296860	1613440	cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial	Cmpk2	314004	1,05	down
5832037	7039697	984753	cytochrome b, ascorbate dependent 3	Cybasc3	361729	2,19	down
6457167	7039697	984754	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,72	down
5891884	7039697	984753	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,43	up
6089519	7039697	984751	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,41	up
5912614	7039697	984750	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,32	up
6167454	7039697	984754	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,22	up
5713697	7039697	984754	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,17	down
6032681	7039697	984754	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,14	down
5631953	7039697	984754	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,11	down
5799280	7039697	984752	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,08	up
5620900	7039697	984749	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,06	down
6541275	7039697	984748	cytochrome b, ascorbate dependent 3	Cybasc3	361729	1,02	up
6352424	7379801	1820327	cytochrome b-245, beta polypeptide	Cybb	66021	2,90	up

5925037	7379801	1820338	cytochrome b-245, beta polypeptide	Cybb	66021	2,42	down
6663063	7379801	1820337	cytochrome b-245, beta polypeptide	Cybb	66021	2,22	down
5757022	7379801	1820332	cytochrome b-245, beta polypeptide	Cybb	66021	1,97	up
5964421	7379801	1820339	cytochrome b-245, beta polypeptide	Cybb	66021	1,89	down
6696934	7379801	1820334	cytochrome b-245, beta polypeptide	Cybb	66021	1,71	up
6614162	7379801	1820326	cytochrome b-245, beta polypeptide	Cybb	66021	1,62	up
6734774	7379801	1820333	cytochrome b-245, beta polypeptide	Cybb	66021	1,46	down
5776519	7379801	1820336	cytochrome b-245, beta polypeptide	Cybb	66021	1,40	down
5816855	7379801	1820327	cytochrome b-245, beta polypeptide	Cybb	66021	1,39	down
5756871	7379801	1820330	cytochrome b-245, beta polypeptide	Cybb	66021	1,38	up
6126289	7379801	1820331	cytochrome b-245, beta polypeptide	Cybb	66021	1,25	up
6369732	7379801	1820335	cytochrome b-245, beta polypeptide	Cybb	66021	1,24	down
6581853	7379801	1820328	cytochrome b-245, beta polypeptide	Cybb	66021	1,20	up
5838473	7379801	1820329	cytochrome b-245, beta polypeptide	Cybb	66021	1,04	up
6198952	7312739	1653739	cytochrome P450 4F5	Cyp4f5	286905	4,01	up
5692523	7312739	1653750	cytochrome P450 4F5	Cyp4f5	286905	2,19	up
5785230	7312739	1653738	cytochrome P450 4F5	Cyp4f5	286905	1,55	down
6432803	7312739	1653747	cytochrome P450 4F5	Cyp4f5	286905	1,51	down
6150646	7312739	1653748	cytochrome P450 4F5	Cyp4f5	286905	1,46	down
5809039	7312739	1653738	cytochrome P450 4F5	Cyp4f5	286905	1,39	down
5898696	7312739	1653741	cytochrome P450 4F5	Cyp4f5	286905	1,37	down
5753894	7312739	1653742	cytochrome P450 4F5	Cyp4f5	286905	1,32	up
6156926	7312739	1653751	cytochrome P450 4F5	Cyp4f5	286905	1,30	down
6658568	7312739	1653746	cytochrome P450 4F5	Cyp4f5	286905	1,21	down
6567926	7312739	1653737	cytochrome P450 4F5	Cyp4f5	286905	1,19	down
6272701	7312739	1653745	cytochrome P450 4F5	Cyp4f5	286905	1,14	down
6406477	7312739	1653740	cytochrome P450 4F5	Cyp4f5	286905	1,10	down
6563579	7312739	1653749	cytochrome P450 4F5	Cyp4f5	286905	1,10	down
5753425	7312739	1653744	cytochrome P450 4F5	Cyp4f5	286905	1,09	up
5817011	7312739	1653743	cytochrome P450 4F5	Cyp4f5	286905	1,05	up
5634474	7290111	1596968	cytochrome P450 4X1	Cyp4x1	246767	2,33	down
5870942	7290111	1596963	cytochrome P450 4X1	Cyp4x1	246767	1,40	down
5699861	7290111	1596969	cytochrome P450 4X1	Cyp4x1	246767	1,36	up
5853651	7290111	1596970	cytochrome P450 4X1	Cyp4x1	246767	1,30	down
6052000	7290111	1596966	cytochrome P450 4X1	Cyp4x1	246767	1,20	up
6486623	7290111	1596961	cytochrome P450 4X1	Cyp4x1	246767	1,16	up
6333854	7290111	1596967	cytochrome P450 4X1	Cyp4x1	246767	1,12	up
5806022	7290111	1596962	cytochrome P450 4X1	Cyp4x1	246767	1,06	up
5625251	7290111	1596959	cytochrome P450 4X1	Cyp4x1	246767	1,05	down
6248241	7290111	1596967	cytochrome P450 4X1	Cyp4x1	246767	1,03	up
5698748	7290111	1596965	cytochrome P450 4X1	Cyp4x1	246767	1,03	up
6651302	7290111	1596959	cytochrome P450 4X1	Cyp4x1	246767	1,01	up
5892502	7290111	1596960	cytochrome P450 4X1	Cyp4x1	246767	1,01	down
5687021	7290111	1596964	cytochrome P450 4X1	Cyp4x1	246767	1,00	down
6557966	7345842	1734727	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	2,08	down
5701575	7345842	1734724	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,45	down
6200093	7345842	1734725	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,12	down
6645893	7345842	1734729	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,08	up
6674454	7345842	1734721	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,05	down
6460688	7345842	1734728	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,04	down
5662417	7345842	1734723	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,03	up
6175668	7345842	1734722	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,02	up
6701923	7345842	1734726	cytochrome P450, family 19, subfamily a, polypeptide 1	Cyp19a1	25147	1,02	up
6191975	7356120	1760152	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	2,83	up
6604733	7356120	1760143	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,85	down
6342218	7356120	1760146	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,65	up
6204207	7356120	1760152	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,30	down

6143513	7356120	1760145	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,29	down
6497963	7356120	1760151	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,17	up
6188414	7356120	1760149	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,17	up
6607733	7356120	1760150	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,16	down
6735539	7356120	1760151	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,14	down
6192836	7356120	1760144	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,12	down
6414633	7356120	1760142	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,10	up
6315010	7356120	1760148	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,09	down
5895638	7356120	1760147	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,05	down
6302254	7356120	1760143	cytochrome P450, family 27, subfamily a, polypeptide 1	Cyp27a1	301517	1,03	up
6071842	7290141	1597027	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, family 4, subfamily a, p Cyp4a2 /// Cyp4a3	24306 /// 298423	1,60	down	
5631515	7290141	1597026	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, family 4, subfamily a, p Cyp4a2 /// Cyp4a3	24306 /// 298423	1,48	down	
6215468	7290141	1597029	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, family 4, subfamily a, p Cyp4a2 /// Cyp4a3	24306 /// 298423	1,20	up	
5844408	7290141	1597026	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, family 4, subfamily a, p Cyp4a2 /// Cyp4a3	24306 /// 298423	1,10	up	
6336904	7290141	1597022	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, family 4, subfamily a, p Cyp4a2 /// Cyp4a3	24306 /// 298423	1,05	up	
6617059	7290141	1597023	cytochrome P450, family 4, subfamily a, polypeptide 2 /// cytochrome P450, family 4, subfamily a, p Cyp4a2 /// Cyp4a3	24306 /// 298423	1,03	down	
6100616	7290141	1597032	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	2,01	down
6207365	7290141	1597031	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,56	down
6707668	7290141	1597025	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,33	up
5763176	7290141	1597021	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,30	up
5941625	7290141	1597030	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,11	down
6665063	7290141	1597024	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,09	down
6547131	7290141	1597028	cytochrome P450, family 4, subfamily a, polypeptide 3	Cyp4a3	298423	1,04	up
6220291	7143971	1235934	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,95	down
5816637	7143971	1235925	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,55	up
6413386	7143971	1235931	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,52	down
5697801	7143971	1235923	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,40	down
6296836	7143971	1235935	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,30	down
6149212	7143971	1235928	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,20	down
5696530	7143971	1235935	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,13	up
5869564	7143971	1235926	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,12	up
5701902	7143971	1235921	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,11	down
5647383	7143971	1235926	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,10	down
6454216	7143971	1235929	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,06	down
5736198	7143971	1235935	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,03	up
6564916	7143971	1235933	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,03	up
6244144	7143971	1235924	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,00	up
6188893	7143971	1235930	cytochrome P450, family 4, subfamily f, polypeptide 18	Cyp4f18	290623	1,00	up
5668313	7301616	1625901	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	2,16	up
5714939	7301616	1625896	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,69	up
6122953	7301616	1625909	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,63	down
6032931	7301616	1625908	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,61	down
6155274	7301616	1625907	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,58	down
6000918	7301616	1625911	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,44	up
5963567	7301616	1625893	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,43	down
6023254	7301616	1625908	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,22	up
5732111	7301616	1625904	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,14	up
5868073	7301616	1625897	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,11	up
6439130	7301616	1625906	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,11	down
6216851	7301616	1625892	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,08	up
5861210	7301616	1625912	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,07	up
5897593	7301616	1625910	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,06	down
5621480	7301616	1625889	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,05	up
5820195	7301616	1625905	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,03	down
6562086	7301616	1625902	cytochrome P450, family 46, subfamily a, polypeptide 1	Cyp46a1	362782	1,02	down
6518432	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	2,29	down
5645250	7248318	1493336	cytochrome P450, subfamily 24	Cyp24a1	25279	1,81	up

6616472	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,51	up
6581650	7248318	1493332	cytochrome P450, subfamily 24	Cyp24a1	25279	1,43	down
6248947	7248318	1493340	cytochrome P450, subfamily 24	Cyp24a1	25279	1,37	down
6444433	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,28	up
6695570	7248318	1493334	cytochrome P450, subfamily 24	Cyp24a1	25279	1,19	down
6664309	7248318	1493339	cytochrome P450, subfamily 24	Cyp24a1	25279	1,18	down
5929851	7248318	1493341	cytochrome P450, subfamily 24	Cyp24a1	25279	1,15	down
6062584	7248318	1493337	cytochrome P450, subfamily 24	Cyp24a1	25279	1,14	down
6341315	7248318	1493333	cytochrome P450, subfamily 24	Cyp24a1	25279	1,13	up
5629569	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,11	down
6670902	7248318	1493332	cytochrome P450, subfamily 24	Cyp24a1	25279	1,06	up
6180711	7248318	1493331	cytochrome P450, subfamily 24	Cyp24a1	25279	1,03	up
5755502	7248318	1493338	cytochrome P450, subfamily 24	Cyp24a1	25279	1,02	up
6191258	7248318	1493335	cytochrome P450, subfamily 24	Cyp24a1	25279	1,00	down
5625324	7248318	1493342	cytochrome P450, subfamily 24	Cyp24a1	25279	1,00	up
5663085	7340125	1720451	cytokine inducible SH2-containing protein	Cish	83681	1,85	down
6692337	7340125	1720450	cytokine inducible SH2-containing protein	Cish	83681	1,42	up
6144737	7340125	1720451	cytokine inducible SH2-containing protein	Cish	83681	1,17	up
5757034	7340125	1720447	cytokine inducible SH2-containing protein	Cish	83681	1,13	down
6140983	7340977	1722457	cytoplasmic linker associated protein 2	Clasp2	114514	3,02	up
6124129	7340977	1722476	cytoplasmic linker associated protein 2	Clasp2	114514	1,56	up
6140511	7340977	1722476	cytoplasmic linker associated protein 2	Clasp2	114514	1,48	down
5714176	7340977	1722486	cytoplasmic linker associated protein 2	Clasp2	114514	1,42	up
6584312	7340977	1722459	cytoplasmic linker associated protein 2	Clasp2	114514	1,42	down
6136728	7340977	1722458	cytoplasmic linker associated protein 2	Clasp2	114514	1,29	up
6162013	7340977	1722471	cytoplasmic linker associated protein 2	Clasp2	114514	1,29	down
5657077	7340977	1722475	cytoplasmic linker associated protein 2	Clasp2	114514	1,29	down
5651856	7340977	1722463	cytoplasmic linker associated protein 2	Clasp2	114514	1,26	down
6321871	7340977	1722461	cytoplasmic linker associated protein 2	Clasp2	114514	1,23	down
6114470	7340977	1722474	cytoplasmic linker associated protein 2	Clasp2	114514	1,23	down
5840915	7340977	1722468	cytoplasmic linker associated protein 2	Clasp2	114514	1,22	up
6471215	7340977	1722465	cytoplasmic linker associated protein 2	Clasp2	114514	1,22	down
6398083	7340977	1722479	cytoplasmic linker associated protein 2	Clasp2	114514	1,21	down
6341214	7340977	1722473	cytoplasmic linker associated protein 2	Clasp2	114514	1,17	down
5771283	7340977	1722485	cytoplasmic linker associated protein 2	Clasp2	114514	1,15	up
6315291	7340977	1722467	cytoplasmic linker associated protein 2	Clasp2	114514	1,13	down
6572566	7340977	1722470	cytoplasmic linker associated protein 2	Clasp2	114514	1,12	up
5891111	7340977	1722487	cytoplasmic linker associated protein 2	Clasp2	114514	1,12	down
6496798	7340977	1722462	cytoplasmic linker associated protein 2	Clasp2	114514	1,11	up
5679860	7340977	1722483	cytoplasmic linker associated protein 2	Clasp2	114514	1,10	up
6550635	7340977	1722464	cytoplasmic linker associated protein 2	Clasp2	114514	1,10	down
6218474	7340977	1722461	cytoplasmic linker associated protein 2	Clasp2	114514	1,10	down
6516130	7340977	1722478	cytoplasmic linker associated protein 2	Clasp2	114514	1,09	up
5755088	7340977	1722482	cytoplasmic linker associated protein 2	Clasp2	114514	1,09	down
6601696	7340977	1722477	cytoplasmic linker associated protein 2	Clasp2	114514	1,08	up
5910027	7340977	1722481	cytoplasmic linker associated protein 2	Clasp2	114514	1,04	up
6037645	7340977	1722484	cytoplasmic linker associated protein 2	Clasp2	114514	1,02	up
6009883	7340977	1722472	cytoplasmic linker associated protein 2	Clasp2	114514	1,01	down
5636305	7340977	1722466	cytoplasmic linker associated protein 2	Clasp2	114514	1,01	down
6486954	7340977	1722469	cytoplasmic linker associated protein 2	Clasp2	114514	1,01	up
6472100	7340977	1722460	cytoplasmic linker associated protein 2	Clasp2	114514	1,01	up
5797701	7340977	1722480	cytoplasmic linker associated protein 2	Clasp2	114514	1,00	up
5950571	7031596	964149	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	3,36	down
6643109	7031596	964150	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,36	down
6214938	7031596	964148	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,18	down
6705679	7031596	964152	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,14	down
5708248	7031596	964148	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,12	down

6207773	7031596	964153	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,11	up
5941297	7031596	964152	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,08	up
5790188	7031596	964151	D site of albumin promoter (albumin D-box) binding protein	Dbp	24309	1,02	down
6399755	7226521	1438736	DAB2 interacting protein	Dab2ip	192126	2,67	up
5935750	7226521	1438736	DAB2 interacting protein	Dab2ip	192126	1,45	up
6542688	7226521	1438731	DAB2 interacting protein	Dab2ip	192126	1,34	down
6053490	7226521	1438731	DAB2 interacting protein	Dab2ip	192126	1,33	up
5693401	7226521	1438731	DAB2 interacting protein	Dab2ip	192126	1,28	down
6677781	7226521	1438734	DAB2 interacting protein	Dab2ip	192126	1,24	up
6398396	7226521	1438736	DAB2 interacting protein	Dab2ip	192126	1,21	down
6367931	7226521	1438724	DAB2 interacting protein	Dab2ip	192126	1,20	up
5857819	7226521	1438731	DAB2 interacting protein	Dab2ip	192126	1,20	down
6554565	7226521	1438722	DAB2 interacting protein	Dab2ip	192126	1,18	down
6244493	7226521	1438724	DAB2 interacting protein	Dab2ip	192126	1,18	down
6443505	7226521	1438726	DAB2 interacting protein	Dab2ip	192126	1,17	down
6229480	7226521	1438731	DAB2 interacting protein	Dab2ip	192126	1,14	down
6136305	7226521	1438730	DAB2 interacting protein	Dab2ip	192126	1,11	down
6034923	7226521	1438733	DAB2 interacting protein	Dab2ip	192126	1,09	up
6704524	7226521	1438732	DAB2 interacting protein	Dab2ip	192126	1,08	down
6101127	7226521	1438729	DAB2 interacting protein	Dab2ip	192126	1,06	down
5800654	7226521	1438727	DAB2 interacting protein	Dab2ip	192126	1,02	up
5660288	7226521	1438725	DAB2 interacting protein	Dab2ip	192126	1,02	down
6688243	7226521	1438728	DAB2 interacting protein	Dab2ip	192126	1,01	up
5781164	7226521	1438735	DAB2 interacting protein	Dab2ip	192126	1,00	up
5781591	7376566	1812886	dachshund homolog 2 (Drosophila)	Dach2	302333	1,77	up
6687420	7376566	1812848	dachshund homolog 2 (Drosophila)	Dach2	302333	1,06	down
5653183	7340377	1721029	DALR anticodon binding domain containing 3	Dalrd3	363146	2,81	down
5899510	7340377	1721024	DALR anticodon binding domain containing 3	Dalrd3	363146	2,11	up
6118202	7340377	1721018	DALR anticodon binding domain containing 3	Dalrd3	363146	1,71	up
5796622	7340377	1721029	DALR anticodon binding domain containing 3	Dalrd3	363146	1,70	down
5859934	7340377	1721021	DALR anticodon binding domain containing 3	Dalrd3	363146	1,31	up
5736174	7340377	1721025	DALR anticodon binding domain containing 3	Dalrd3	363146	1,27	up
5629951	7340377	1721028	DALR anticodon binding domain containing 3	Dalrd3	363146	1,23	down
6071869	7340377	1721020	DALR anticodon binding domain containing 3	Dalrd3	363146	1,21	up
6289898	7340377	1721022	DALR anticodon binding domain containing 3	Dalrd3	363146	1,18	up
6266430	7340377	1721026	DALR anticodon binding domain containing 3	Dalrd3	363146	1,12	up
5981732	7340377	1721023	DALR anticodon binding domain containing 3	Dalrd3	363146	1,11	up
6412688	7340377	1721020	DALR anticodon binding domain containing 3	Dalrd3	363146	1,08	up
6667314	7340377	1721019	DALR anticodon binding domain containing 3	Dalrd3	363146	1,08	up
6535585	7340377	1721019	DALR anticodon binding domain containing 3	Dalrd3	363146	1,07	up
5961071	7340377	1721027	DALR anticodon binding domain containing 3	Dalrd3	363146	1,03	down
5725340	7142081	1230949	DAZ interacting protein 1	Dzip1	364475	1,82	down
6474077	7142081	1230949	DAZ interacting protein 1	Dzip1	364475	1,31	up
6540179	7142081	1230965	DAZ interacting protein 1	Dzip1	364475	1,26	up
5928229	7142081	1230957	DAZ interacting protein 1	Dzip1	364475	1,22	down
6154061	7142081	1230964	DAZ interacting protein 1	Dzip1	364475	1,18	down
6328658	7142081	1230955	DAZ interacting protein 1	Dzip1	364475	1,11	up
5799164	7142081	1230952	DAZ interacting protein 1	Dzip1	364475	1,09	down
6002327	7142081	1230985	DAZ interacting protein 1	Dzip1	364475	1,01	up
5888257	7124991	1189271	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	2,00	down
6565889	7124991	1189266	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,57	up
5894148	7124991	1189287	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,41	up
6349899	7124991	1189283	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,25	down
6665758	7124991	1189280	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,16	down
5856029	7124991	1189266	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,15	down
6597280	7124991	1189290	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,15	up
6006277	7124991	1189286	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,08	up

6119560	7124991	1189274	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,05	down
6658878	7124991	1189282	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,04	up
6660734	7124991	1189267	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,04	down
5710619	7124991	1189266	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,04	down
6049765	7124991	1189266	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,04	down
6023344	7124991	1189279	DCN1, defective in cullin neddylation 1, domain containing 4 (S. cerevisiae)	Dcun1d4	360928	1,00	down
5865945	7210822	1400983	DC-STAMP domain containing 1	Dcst1	295246	1,11	down
6571670	7146872	1242917	DDHD domain containing 2	Ddh2	680971	2,17	down
5967419	7146872	1242917	DDHD domain containing 2	Ddh2	680971	1,38	down
6575207	7146872	1242917	DDHD domain containing 2	Ddh2	680971	1,05	up
5793297	7221817	1427153	D-dopachrome tautomerase	Ddt	29318	1,18	down
6192020	7221817	1427152	D-dopachrome tautomerase	Ddt	29318	1,15	up
6457955	7221817	1427151	D-dopachrome tautomerase	Ddt	29318	1,04	up
6247985	7221817	1427153	D-dopachrome tautomerase	Ddt	29318	1,03	up
6108480	7221817	1427151	D-dopachrome tautomerase	Ddt	29318	1,01	down
5917577	7343985	1730150	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	2,13	up
5959703	7343985	1730149	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,77	up
6207774	7343985	1730139	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,71	up
5719212	7343985	1730141	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,48	up
5651446	7343985	1730145	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,42	up
6372705	7343985	1730142	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,40	down
6171031	7343985	1730144	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,39	down
6393522	7343985	1730140	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,36	up
5929868	7343985	1730143	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,32	down
6711544	7343985	1730142	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,22	down
5742079	7343985	1730146	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,19	up
5948090	7343985	1730147	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,06	down
6063632	7343985	1730138	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,06	down
6277839	7343985	1730148	DEAD (Asp-Glu-Ala-Asp) box polypeptide 25	Ddx25	58856	1,06	down
6410360	7302787	1628874	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,32	down
6366205	7302787	1628879	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,32	up
6399946	7302787	1628875	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,23	up
6720869	7302787	1628878	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,13	down
6177995	7302787	1628874	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,11	up
5992063	7302787	1628880	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,10	down
6640598	7302787	1628881	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,09	down
6740426	7302787	1628877	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,07	down
6571884	7302787	1628882	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,02	up
5680964	7302787	1628873	DEAH (Asp-Glu-Ala-Asp/His) box polypeptide 57	Dhx57	366532	1,01	down
5639121	7220454	1424121	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	2,28	up
6703674	7220454	1424134	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,79	up
6331675	7220454	1424122	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,62	up
6721131	7220454	1424119	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,52	down
6305211	7220454	1424135	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,43	down
5793047	7220454	1424120	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,33	down
5940817	7220454	1424125	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,32	up
6607163	7220454	1424132	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,27	up
6017621	7220454	1424138	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,26	down
6625744	7220454	1424128	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,25	up
5869340	7220454	1424136	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,23	down
5995885	7220454	1424127	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,20	up
5630500	7220454	1424131	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,14	down
5672836	7220454	1424133	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,14	up
6682833	7220454	1424123	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,13	up
6195542	7220454	1424126	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,12	up
6557821	7220454	1424136	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,10	down
6371404	7220454	1424129	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,06	down

6506636	7220454	1424130	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,05	down
6625108	7220454	1424124	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,04	down
5991159	7220454	1424137	DEAH (Asp-Glu-Ala-His) box polypeptide 16	Dhx16	294232	1,04	down
5886170	7185315	1338611	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	2,76	up
5782069	7185315	1338594	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,52	down
6228683	7185315	1338591	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,48	up
5647183	7185315	1338616	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,34	down
6716180	7185315	1338590	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,34	down
5876438	7185315	1338601	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,32	up
5811226	7185315	1338600	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,29	up
5967036	7185315	1338589	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,25	up
6540246	7185315	1338612	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,25	up
5970768	7185315	1338603	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,24	down
5768346	7185315	1338599	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,23	up
5950831	7185315	1338606	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,22	up
5825715	7185315	1338604	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,17	up
6031647	7185315	1338615	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,17	up
6306109	7185315	1338593	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,16	down
6741579	7185315	1338604	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,12	down
5789692	7185315	1338602	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,12	down
5828149	7185315	1338614	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,12	down
6468149	7185315	1338608	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,10	up
6060373	7185315	1338607	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,10	down
6524036	7185315	1338613	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,10	up
6489055	7185315	1338599	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,09	up
5866026	7185315	1338595	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,09	down
6726250	7185315	1338609	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,07	up
6206435	7185315	1338596	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,02	down
5706465	7185315	1338592	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,01	up
6681492	7185315	1338597	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,01	up
6327237	7185315	1338605	DEAH (Asp-Glu-Ala-His) box polypeptide 38	Dhx38	292007	1,00	down
5820489	7337419	1713122	death-associated kinase 2	Dapk2	300799	2,76	up
6625663	7337419	1713117	death-associated kinase 2	Dapk2	300799	1,68	up
5688322	7337419	1713121	death-associated kinase 2	Dapk2	300799	1,50	up
6639922	7337419	1713120	death-associated kinase 2	Dapk2	300799	1,31	up
6539108	7337419	1713114	death-associated kinase 2	Dapk2	300799	1,17	up
6179705	7337419	1713118	death-associated kinase 2	Dapk2	300799	1,13	up
6502046	7337419	1713119	death-associated kinase 2	Dapk2	300799	1,11	down
6346222	7337419	1713115	death-associated kinase 2	Dapk2	300799	1,10	up
5820187	7337419	1713123	death-associated kinase 2	Dapk2	300799	1,10	down
5695498	7337419	1713116	death-associated kinase 2	Dapk2	300799	1,05	up
5891949	7378997	1818627	dedicator of cytokinesis 11	Dock11	313438	1,49	down
6619059	7378997	1818620	dedicator of cytokinesis 11	Dock11	313438	1,43	down
6299110	7378997	1818629	dedicator of cytokinesis 11	Dock11	313438	1,20	down
5883165	7378997	1818625	dedicator of cytokinesis 11	Dock11	313438	1,18	up
5764690	7378997	1818634	dedicator of cytokinesis 11	Dock11	313438	1,18	down
6502137	7378997	1818630	dedicator of cytokinesis 11	Dock11	313438	1,17	down
6653758	7378997	1818625	dedicator of cytokinesis 11	Dock11	313438	1,12	down
6588492	7378997	1818624	dedicator of cytokinesis 11	Dock11	313438	1,11	down
6661663	7378997	1818623	dedicator of cytokinesis 11	Dock11	313438	1,10	down
6228623	7378997	1818626	dedicator of cytokinesis 11	Dock11	313438	1,09	down
5661157	7378997	1818630	dedicator of cytokinesis 11	Dock11	313438	1,07	down
6435747	7378997	1818633	dedicator of cytokinesis 11	Dock11	313438	1,03	down
6439128	7378997	1818632	dedicator of cytokinesis 11	Dock11	313438	1,03	down
6077072	7378997	1818620	dedicator of cytokinesis 11	Dock11	313438	1,03	down
6590920	7378997	1818628	dedicator of cytokinesis 11	Dock11	313438	1,01	up
6348215	7076160	1070986	dedicator of cytokinesis 2	Dock2	360509	2,15	up

6568761	7076160	1070986	dedicator of cytokinesis 2	Dock2	360509	1,90	up
5755350	7076160	1070911	dedicator of cytokinesis 2	Dock2	360509	1,86	down
6173975	7076160	1070890	dedicator of cytokinesis 2	Dock2	360509	1,72	down
5855793	7076160	1070957	dedicator of cytokinesis 2	Dock2	360509	1,68	down
6420017	7076160	1070954	dedicator of cytokinesis 2	Dock2	360509	1,52	down
6481619	7076160	1070966	dedicator of cytokinesis 2	Dock2	360509	1,51	down
6737817	7076160	1070907	dedicator of cytokinesis 2	Dock2	360509	1,50	up
6149424	7076160	1070978	dedicator of cytokinesis 2	Dock2	360509	1,47	up
6094863	7076160	1070977	dedicator of cytokinesis 2	Dock2	360509	1,46	up
6230375	7076160	1070882	dedicator of cytokinesis 2	Dock2	360509	1,46	down
6261178	7076160	1070881	dedicator of cytokinesis 2	Dock2	360509	1,44	up
5844965	7076160	1070976	dedicator of cytokinesis 2	Dock2	360509	1,42	up
6157055	7076160	1070957	dedicator of cytokinesis 2	Dock2	360509	1,42	down
6371139	7076160	1070948	dedicator of cytokinesis 2	Dock2	360509	1,37	up
5793122	7076160	1070952	dedicator of cytokinesis 2	Dock2	360509	1,36	down
6152981	7076160	1070967	dedicator of cytokinesis 2	Dock2	360509	1,36	up
6504113	7076160	1070892	dedicator of cytokinesis 2	Dock2	360509	1,35	up
5636720	7076160	1070877	dedicator of cytokinesis 2	Dock2	360509	1,33	down
6171666	7076160	1070947	dedicator of cytokinesis 2	Dock2	360509	1,33	down
6176484	7076160	1070900	dedicator of cytokinesis 2	Dock2	360509	1,32	down
5796817	7076160	1070975	dedicator of cytokinesis 2	Dock2	360509	1,30	up
5918417	7076160	1070959	dedicator of cytokinesis 2	Dock2	360509	1,30	down
6571763	7076160	1070891	dedicator of cytokinesis 2	Dock2	360509	1,28	up
5910678	7076160	1070896	dedicator of cytokinesis 2	Dock2	360509	1,27	down
6646723	7076160	1070973	dedicator of cytokinesis 2	Dock2	360509	1,25	up
6319477	7076160	1070889	dedicator of cytokinesis 2	Dock2	360509	1,24	up
6426264	7076160	1070905	dedicator of cytokinesis 2	Dock2	360509	1,23	down
6162216	7076160	1070873	dedicator of cytokinesis 2	Dock2	360509	1,22	down
5903108	7076160	1070882	dedicator of cytokinesis 2	Dock2	360509	1,17	down
6667086	7076160	1070874	dedicator of cytokinesis 2	Dock2	360509	1,16	up
6593770	7076160	1070880	dedicator of cytokinesis 2	Dock2	360509	1,16	up
6073137	7076160	1070955	dedicator of cytokinesis 2	Dock2	360509	1,15	down
6604967	7076160	1070895	dedicator of cytokinesis 2	Dock2	360509	1,14	down
5818606	7076160	1070910	dedicator of cytokinesis 2	Dock2	360509	1,13	up
5804576	7076160	1070969	dedicator of cytokinesis 2	Dock2	360509	1,12	down
6499708	7076160	1070893	dedicator of cytokinesis 2	Dock2	360509	1,11	down
6589221	7076160	1070974	dedicator of cytokinesis 2	Dock2	360509	1,11	down
5776910	7076160	1070884	dedicator of cytokinesis 2	Dock2	360509	1,10	down
6133534	7076160	1070946	dedicator of cytokinesis 2	Dock2	360509	1,07	up
6246483	7076160	1070968	dedicator of cytokinesis 2	Dock2	360509	1,07	up
6162734	7076160	1070898	dedicator of cytokinesis 2	Dock2	360509	1,07	up
5673943	7076160	1070878	dedicator of cytokinesis 2	Dock2	360509	1,06	up
6408463	7076160	1070981	dedicator of cytokinesis 2	Dock2	360509	1,06	up
6235892	7076160	1070964	dedicator of cytokinesis 2	Dock2	360509	1,05	down
5760791	7076160	1070876	dedicator of cytokinesis 2	Dock2	360509	1,04	down
5789587	7076160	1070961	dedicator of cytokinesis 2	Dock2	360509	1,04	down
6407234	7076160	1070956	dedicator of cytokinesis 2	Dock2	360509	1,04	up
6494870	7076160	1070875	dedicator of cytokinesis 2	Dock2	360509	1,03	up
5882972	7076160	1070967	dedicator of cytokinesis 2	Dock2	360509	1,02	up
6535542	7076160	1070972	dedicator of cytokinesis 2	Dock2	360509	1,02	down
6076502	7076160	1070906	dedicator of cytokinesis 2	Dock2	360509	1,02	down
6151757	7076160	1070958	dedicator of cytokinesis 2	Dock2	360509	1,01	down
6163181	7076160	1070938	dedicator of cytokinesis 2	Dock2	360509	1,00	down
6532325	7349817	1744648	dedicator of cyto-kinesis 3	Dock3	315992	2,49	up
5808612	7349817	1744592	dedicator of cyto-kinesis 3	Dock3	315992	2,25	up
6056733	7349817	1744621	dedicator of cyto-kinesis 3	Dock3	315992	2,10	up
5882451	7349817	1744622	dedicator of cyto-kinesis 3	Dock3	315992	1,95	down

6612187	7349817	1744652	dedicator of cyto-kinesis 3	Dock3	315992	1,94	up
6686195	7349817	1744646	dedicator of cyto-kinesis 3	Dock3	315992	1,89	up
5874419	7349817	1744638	dedicator of cyto-kinesis 3	Dock3	315992	1,80	up
6502039	7349817	1744616	dedicator of cyto-kinesis 3	Dock3	315992	1,74	up
5630477	7349817	1744654	dedicator of cyto-kinesis 3	Dock3	315992	1,66	up
5685188	7349817	1744650	dedicator of cyto-kinesis 3	Dock3	315992	1,61	down
6738251	7349817	1744591	dedicator of cyto-kinesis 3	Dock3	315992	1,61	up
6728780	7349817	1744649	dedicator of cyto-kinesis 3	Dock3	315992	1,55	up
6612561	7349817	1744633	dedicator of cyto-kinesis 3	Dock3	315992	1,55	up
6292892	7349817	1744606	dedicator of cyto-kinesis 3	Dock3	315992	1,53	up
6306901	7349817	1744631	dedicator of cyto-kinesis 3	Dock3	315992	1,52	up
5630317	7349817	1744594	dedicator of cyto-kinesis 3	Dock3	315992	1,51	down
6310015	7349817	1744650	dedicator of cyto-kinesis 3	Dock3	315992	1,46	up
6385701	7349817	1744618	dedicator of cyto-kinesis 3	Dock3	315992	1,46	up
6273394	7349817	1744604	dedicator of cyto-kinesis 3	Dock3	315992	1,46	up
6237809	7349817	1744615	dedicator of cyto-kinesis 3	Dock3	315992	1,44	down
5623464	7349817	1744610	dedicator of cyto-kinesis 3	Dock3	315992	1,39	up
6694371	7349817	1744620	dedicator of cyto-kinesis 3	Dock3	315992	1,37	up
6568756	7349817	1744623	dedicator of cyto-kinesis 3	Dock3	315992	1,37	up
5879239	7349817	1744585	dedicator of cyto-kinesis 3	Dock3	315992	1,36	up
6501565	7349817	1744612	dedicator of cyto-kinesis 3	Dock3	315992	1,35	down
6296140	7349817	1744636	dedicator of cyto-kinesis 3	Dock3	315992	1,32	up
6165403	7349817	1744634	dedicator of cyto-kinesis 3	Dock3	315992	1,30	down
5802958	7349817	1744617	dedicator of cyto-kinesis 3	Dock3	315992	1,29	down
5720318	7349817	1744640	dedicator of cyto-kinesis 3	Dock3	315992	1,21	up
5860114	7349817	1744625	dedicator of cyto-kinesis 3	Dock3	315992	1,19	up
5881469	7349817	1744626	dedicator of cyto-kinesis 3	Dock3	315992	1,18	down
5843374	7349817	1744622	dedicator of cyto-kinesis 3	Dock3	315992	1,18	down
5727970	7349817	1744662	dedicator of cyto-kinesis 3	Dock3	315992	1,16	down
6486839	7349817	1744609	dedicator of cyto-kinesis 3	Dock3	315992	1,14	down
6670549	7349817	1744632	dedicator of cyto-kinesis 3	Dock3	315992	1,13	down
5883736	7349817	1744624	dedicator of cyto-kinesis 3	Dock3	315992	1,13	down
6198829	7349817	1744621	dedicator of cyto-kinesis 3	Dock3	315992	1,12	down
5885428	7349817	1744593	dedicator of cyto-kinesis 3	Dock3	315992	1,10	down
6368226	7349817	1744594	dedicator of cyto-kinesis 3	Dock3	315992	1,10	up
6264821	7349817	1744614	dedicator of cyto-kinesis 3	Dock3	315992	1,09	down
5892071	7349817	1744659	dedicator of cyto-kinesis 3	Dock3	315992	1,09	down
5944844	7349817	1744638	dedicator of cyto-kinesis 3	Dock3	315992	1,09	down
6065879	7349817	1744637	dedicator of cyto-kinesis 3	Dock3	315992	1,09	down
5677155	7349817	1744630	dedicator of cyto-kinesis 3	Dock3	315992	1,08	down
6360175	7349817	1744656	dedicator of cyto-kinesis 3	Dock3	315992	1,07	up
5892811	7349817	1744635	dedicator of cyto-kinesis 3	Dock3	315992	1,07	down
5955440	7349817	1744629	dedicator of cyto-kinesis 3	Dock3	315992	1,05	up
6401953	7349817	1744611	dedicator of cyto-kinesis 3	Dock3	315992	1,05	down
6239848	7349817	1744620	dedicator of cyto-kinesis 3	Dock3	315992	1,04	up
6644682	7349817	1744650	dedicator of cyto-kinesis 3	Dock3	315992	1,04	up
6371353	7349817	1744603	dedicator of cyto-kinesis 3	Dock3	315992	1,04	down
6313334	7349817	1744595	dedicator of cyto-kinesis 3	Dock3	315992	1,03	up
6310496	7349817	1744639	dedicator of cyto-kinesis 3	Dock3	315992	1,03	up
6128769	7349817	1744586	dedicator of cyto-kinesis 3	Dock3	315992	1,02	down
6237918	7349817	1744593	dedicator of cyto-kinesis 3	Dock3	315992	1,01	down
5622020	7349817	1744588	dedicator of cyto-kinesis 3	Dock3	315992	1,00	down
6590519	7343052	1727518	dedicator of cytokinesis 6	Dock6	367039	2,26	up
6488991	7343052	1727519	dedicator of cytokinesis 6	Dock6	367039	1,89	down
6016301	7343052	1727547	dedicator of cytokinesis 6	Dock6	367039	1,85	down
6363061	7343052	1727553	dedicator of cytokinesis 6	Dock6	367039	1,62	down
6368287	7343052	1727549	dedicator of cytokinesis 6	Dock6	367039	1,61	up

6233960	7343052	1727536	dedicator of cytokinesis 6	Dock6	367039	1,55	down
6292815	7343052	1727505	dedicator of cytokinesis 6	Dock6	367039	1,41	up
6067186	7343052	1727507	dedicator of cytokinesis 6	Dock6	367039	1,39	down
5716538	7343052	1727501	dedicator of cytokinesis 6	Dock6	367039	1,38	up
6123599	7343052	1727521	dedicator of cytokinesis 6	Dock6	367039	1,36	down
6333159	7343052	1727507	dedicator of cytokinesis 6	Dock6	367039	1,36	down
6089642	7343052	1727519	dedicator of cytokinesis 6	Dock6	367039	1,35	down
6548939	7343052	1727529	dedicator of cytokinesis 6	Dock6	367039	1,35	down
6574747	7343052	1727508	dedicator of cytokinesis 6	Dock6	367039	1,33	up
6382684	7343052	1727550	dedicator of cytokinesis 6	Dock6	367039	1,31	down
6072479	7343052	1727524	dedicator of cytokinesis 6	Dock6	367039	1,30	down
6587522	7343052	1727509	dedicator of cytokinesis 6	Dock6	367039	1,30	down
5989182	7343052	1727532	dedicator of cytokinesis 6	Dock6	367039	1,30	down
5943567	7343052	1727545	dedicator of cytokinesis 6	Dock6	367039	1,28	down
6250228	7343052	1727540	dedicator of cytokinesis 6	Dock6	367039	1,27	up
6553691	7343052	1727530	dedicator of cytokinesis 6	Dock6	367039	1,26	down
6191312	7343052	1727535	dedicator of cytokinesis 6	Dock6	367039	1,24	up
5744378	7343052	1727515	dedicator of cytokinesis 6	Dock6	367039	1,22	down
6386771	7343052	1727526	dedicator of cytokinesis 6	Dock6	367039	1,20	down
6590944	7343052	1727514	dedicator of cytokinesis 6	Dock6	367039	1,19	up
5969432	7343052	1727510	dedicator of cytokinesis 6	Dock6	367039	1,19	up
6625166	7343052	1727513	dedicator of cytokinesis 6	Dock6	367039	1,18	down
6666486	7343052	1727519	dedicator of cytokinesis 6	Dock6	367039	1,18	up
6480170	7343052	1727517	dedicator of cytokinesis 6	Dock6	367039	1,17	down
6005933	7343052	1727544	dedicator of cytokinesis 6	Dock6	367039	1,17	down
6499372	7343052	1727523	dedicator of cytokinesis 6	Dock6	367039	1,13	up
6282337	7343052	1727503	dedicator of cytokinesis 6	Dock6	367039	1,12	up
6618327	7343052	1727546	dedicator of cytokinesis 6	Dock6	367039	1,12	down
6610451	7343052	1727504	dedicator of cytokinesis 6	Dock6	367039	1,12	up
5869156	7343052	1727522	dedicator of cytokinesis 6	Dock6	367039	1,12	down
5878071	7343052	1727551	dedicator of cytokinesis 6	Dock6	367039	1,11	up
6414962	7343052	1727512	dedicator of cytokinesis 6	Dock6	367039	1,10	up
6270147	7343052	1727533	dedicator of cytokinesis 6	Dock6	367039	1,09	down
6230256	7343052	1727502	dedicator of cytokinesis 6	Dock6	367039	1,09	up
5635602	7343052	1727534	dedicator of cytokinesis 6	Dock6	367039	1,08	down
5919941	7343052	1727525	dedicator of cytokinesis 6	Dock6	367039	1,08	down
5619477	7343052	1727542	dedicator of cytokinesis 6	Dock6	367039	1,07	down
6381288	7343052	1727527	dedicator of cytokinesis 6	Dock6	367039	1,06	up
5714395	7343052	1727541	dedicator of cytokinesis 6	Dock6	367039	1,06	up
6006575	7343052	1727520	dedicator of cytokinesis 6	Dock6	367039	1,06	up
5902522	7343052	1727518	dedicator of cytokinesis 6	Dock6	367039	1,06	down
5848315	7343052	1727552	dedicator of cytokinesis 6	Dock6	367039	1,05	up
5762277	7343052	1727540	dedicator of cytokinesis 6	Dock6	367039	1,05	up
5785954	7343052	1727548	dedicator of cytokinesis 6	Dock6	367039	1,05	up
6514265	7343052	1727543	dedicator of cytokinesis 6	Dock6	367039	1,04	up
6320641	7343052	1727531	dedicator of cytokinesis 6	Dock6	367039	1,02	down
6590146	7343052	1727543	dedicator of cytokinesis 6	Dock6	367039	1,02	up
6685625	7343052	1727506	dedicator of cytokinesis 6	Dock6	367039	1,02	down
6013369	7343052	1727516	dedicator of cytokinesis 6	Dock6	367039	1,02	down
5628661	7343052	1727511	dedicator of cytokinesis 6	Dock6	367039	1,02	up
6312497	7289075	1594441	dedicator of cytokinesis 7	Dock7	313388	2,19	up
5783556	7289075	1594444	dedicator of cytokinesis 7	Dock7	313388	2,01	up
5818347	7289075	1594446	dedicator of cytokinesis 7	Dock7	313388	1,64	down
6625717	7289075	1594443	dedicator of cytokinesis 7	Dock7	313388	1,55	down
6490670	7289075	1594494	dedicator of cytokinesis 7	Dock7	313388	1,42	up
6716952	7289075	1594487	dedicator of cytokinesis 7	Dock7	313388	1,39	down
6214277	7289075	1594485	dedicator of cytokinesis 7	Dock7	313388	1,22	down

6598765	7289075	1594489	dedicator of cytokinesis 7	Dock7	313388	1,21	down
6059932	7289075	1594440	dedicator of cytokinesis 7	Dock7	313388	1,21	up
5619762	7289075	1594490	dedicator of cytokinesis 7	Dock7	313388	1,18	down
6383161	7289075	1594442	dedicator of cytokinesis 7	Dock7	313388	1,17	up
5716612	7289075	1594492	dedicator of cytokinesis 7	Dock7	313388	1,16	up
5960572	7289075	1594447	dedicator of cytokinesis 7	Dock7	313388	1,15	down
5787586	7289075	1594495	dedicator of cytokinesis 7	Dock7	313388	1,13	down
6604358	7289075	1594482	dedicator of cytokinesis 7	Dock7	313388	1,10	down
6643438	7289075	1594445	dedicator of cytokinesis 7	Dock7	313388	1,04	down
6524964	7289075	1594488	dedicator of cytokinesis 7	Dock7	313388	1,03	down
5679488	7289075	1594478	dedicator of cytokinesis 7	Dock7	313388	1,03	down
6265110	7289075	1594493	dedicator of cytokinesis 7	Dock7	313388	1,03	down
5930214	7289075	1594486	dedicator of cytokinesis 7	Dock7	313388	1,02	down
6040979	7040674	987067	dedicator of cytokinesis 8	Dock8	499337	2,31	up
5743230	7040674	987034	dedicator of cytokinesis 8	Dock8	499337	1,94	up
6098897	7040674	987049	dedicator of cytokinesis 8	Dock8	499337	1,87	up
5747846	7040674	987064	dedicator of cytokinesis 8	Dock8	499337	1,71	down
6133687	7040674	987063	dedicator of cytokinesis 8	Dock8	499337	1,53	down
5759066	7040674	986999	dedicator of cytokinesis 8	Dock8	499337	1,52	up
6023081	7040674	987058	dedicator of cytokinesis 8	Dock8	499337	1,52	down
6110188	7040674	987059	dedicator of cytokinesis 8	Dock8	499337	1,52	down
6087970	7040674	987069	dedicator of cytokinesis 8	Dock8	499337	1,47	down
5912069	7040674	987071	dedicator of cytokinesis 8	Dock8	499337	1,45	up
6647379	7040674	987060	dedicator of cytokinesis 8	Dock8	499337	1,44	up
5882657	7040674	987011	dedicator of cytokinesis 8	Dock8	499337	1,44	up
5911799	7040674	987044	dedicator of cytokinesis 8	Dock8	499337	1,43	down
6223753	7040674	987056	dedicator of cytokinesis 8	Dock8	499337	1,39	up
6642041	7040674	987040	dedicator of cytokinesis 8	Dock8	499337	1,38	down
5906606	7040674	987019	dedicator of cytokinesis 8	Dock8	499337	1,33	down
6252152	7040674	987046	dedicator of cytokinesis 8	Dock8	499337	1,33	down
5965293	7040674	987016	dedicator of cytokinesis 8	Dock8	499337	1,31	down
5919354	7040674	987035	dedicator of cytokinesis 8	Dock8	499337	1,31	down
6157725	7040674	987039	dedicator of cytokinesis 8	Dock8	499337	1,28	down
5988390	7040674	987014	dedicator of cytokinesis 8	Dock8	499337	1,27	down
5853418	7040674	987073	dedicator of cytokinesis 8	Dock8	499337	1,22	up
5890601	7040674	987067	dedicator of cytokinesis 8	Dock8	499337	1,21	down
6522869	7040674	987005	dedicator of cytokinesis 8	Dock8	499337	1,21	down
5752599	7040674	987053	dedicator of cytokinesis 8	Dock8	499337	1,18	up
6248130	7040674	987051	dedicator of cytokinesis 8	Dock8	499337	1,18	down
6625265	7040674	987037	dedicator of cytokinesis 8	Dock8	499337	1,17	up
6321220	7040674	987010	dedicator of cytokinesis 8	Dock8	499337	1,16	down
6477783	7040674	987017	dedicator of cytokinesis 8	Dock8	499337	1,15	down
5997636	7040674	987008	dedicator of cytokinesis 8	Dock8	499337	1,11	down
6657706	7040674	987011	dedicator of cytokinesis 8	Dock8	499337	1,10	down
5730767	7040674	987020	dedicator of cytokinesis 8	Dock8	499337	1,10	down
5828102	7040674	987030	dedicator of cytokinesis 8	Dock8	499337	1,10	down
6593644	7040674	987012	dedicator of cytokinesis 8	Dock8	499337	1,10	up
6105912	7040674	987033	dedicator of cytokinesis 8	Dock8	499337	1,09	down
6650602	7040674	987021	dedicator of cytokinesis 8	Dock8	499337	1,09	down
6572786	7040674	987048	dedicator of cytokinesis 8	Dock8	499337	1,08	down
6717760	7040674	987057	dedicator of cytokinesis 8	Dock8	499337	1,06	up
6261877	7040674	987032	dedicator of cytokinesis 8	Dock8	499337	1,06	up
5708470	7040674	987043	dedicator of cytokinesis 8	Dock8	499337	1,05	down
6741568	7040674	987065	dedicator of cytokinesis 8	Dock8	499337	1,05	down
6160990	7040674	987062	dedicator of cytokinesis 8	Dock8	499337	1,05	down
5780213	7040674	987047	dedicator of cytokinesis 8	Dock8	499337	1,04	up
6037689	7040674	987028	dedicator of cytokinesis 8	Dock8	499337	1,03	down

5827034	7040674	987054	dedicator of cytokinesis 8	Dock8	499337	1,02	up
6150611	7040674	987055	dedicator of cytokinesis 8	Dock8	499337	1,02	up
5625425	7040674	987037	dedicator of cytokinesis 8	Dock8	499337	1,02	down
5898102	7040674	987066	dedicator of cytokinesis 8	Dock8	499337	1,01	down
5670104	7040674	987018	dedicator of cytokinesis 8	Dock8	499337	1,01	down
6666169	7040674	987036	dedicator of cytokinesis 8	Dock8	499337	1,00	up
6648446	7142321	1231495	dedicator of cytokinesis 9	Dock9	259237	2,28	down
6365724	7142321	1231473	dedicator of cytokinesis 9	Dock9	259237	1,77	down
6124374	7142321	1231485	dedicator of cytokinesis 9	Dock9	259237	1,63	down
5771719	7142321	1231508	dedicator of cytokinesis 9	Dock9	259237	1,57	up
6660366	7142321	1231532	dedicator of cytokinesis 9	Dock9	259237	1,52	down
6655479	7142321	1231523	dedicator of cytokinesis 9	Dock9	259237	1,44	up
5742164	7142321	1231494	dedicator of cytokinesis 9	Dock9	259237	1,43	down
5725921	7142321	1231502	dedicator of cytokinesis 9	Dock9	259237	1,38	up
6495462	7142321	1231509	dedicator of cytokinesis 9	Dock9	259237	1,33	up
6335291	7142321	1231545	dedicator of cytokinesis 9	Dock9	259237	1,33	up
6167603	7142321	1231492	dedicator of cytokinesis 9	Dock9	259237	1,33	down
5877710	7142321	1231543	dedicator of cytokinesis 9	Dock9	259237	1,31	down
6176235	7142321	1231550	dedicator of cytokinesis 9	Dock9	259237	1,31	up
5625009	7142321	1231538	dedicator of cytokinesis 9	Dock9	259237	1,26	down
6281615	7142321	1231540	dedicator of cytokinesis 9	Dock9	259237	1,25	up
6130543	7142321	1231511	dedicator of cytokinesis 9	Dock9	259237	1,25	up
6507866	7142321	1231486	dedicator of cytokinesis 9	Dock9	259237	1,21	up
6497173	7142321	1231498	dedicator of cytokinesis 9	Dock9	259237	1,21	down
5620139	7142321	1231504	dedicator of cytokinesis 9	Dock9	259237	1,19	up
6156469	7142321	1231516	dedicator of cytokinesis 9	Dock9	259237	1,19	down
6428986	7142321	1231526	dedicator of cytokinesis 9	Dock9	259237	1,19	down
6298935	7142321	1231483	dedicator of cytokinesis 9	Dock9	259237	1,17	up
6278025	7142321	1231474	dedicator of cytokinesis 9	Dock9	259237	1,16	down
6249320	7142321	1231544	dedicator of cytokinesis 9	Dock9	259237	1,13	down
5987909	7142321	1231475	dedicator of cytokinesis 9	Dock9	259237	1,13	down
6012596	7142321	1231493	dedicator of cytokinesis 9	Dock9	259237	1,13	up
5630624	7142321	1231473	dedicator of cytokinesis 9	Dock9	259237	1,13	down
6157868	7142321	1231533	dedicator of cytokinesis 9	Dock9	259237	1,12	down
5933671	7142321	1231534	dedicator of cytokinesis 9	Dock9	259237	1,12	down
6037624	7142321	1231532	dedicator of cytokinesis 9	Dock9	259237	1,12	down
6516013	7142321	1231536	dedicator of cytokinesis 9	Dock9	259237	1,11	up
5670085	7142321	1231505	dedicator of cytokinesis 9	Dock9	259237	1,10	up
5802831	7142321	1231496	dedicator of cytokinesis 9	Dock9	259237	1,10	up
6688878	7142321	1231527	dedicator of cytokinesis 9	Dock9	259237	1,10	down
6181429	7142321	1231473	dedicator of cytokinesis 9	Dock9	259237	1,10	up
5770956	7142321	1231523	dedicator of cytokinesis 9	Dock9	259237	1,09	down
6253837	7142321	1231481	dedicator of cytokinesis 9	Dock9	259237	1,09	up
6269807	7142321	1231490	dedicator of cytokinesis 9	Dock9	259237	1,09	up
5834421	7142321	1231510	dedicator of cytokinesis 9	Dock9	259237	1,09	down
6683589	7142321	1231488	dedicator of cytokinesis 9	Dock9	259237	1,08	up
5983444	7142321	1231517	dedicator of cytokinesis 9	Dock9	259237	1,08	down
6438079	7142321	1231473	dedicator of cytokinesis 9	Dock9	259237	1,08	up
5738026	7142321	1231546	dedicator of cytokinesis 9	Dock9	259237	1,08	up
5832607	7142321	1231512	dedicator of cytokinesis 9	Dock9	259237	1,07	up
6520532	7142321	1231521	dedicator of cytokinesis 9	Dock9	259237	1,07	up
6137106	7142321	1231537	dedicator of cytokinesis 9	Dock9	259237	1,05	up
6627161	7142321	1231522	dedicator of cytokinesis 9	Dock9	259237	1,05	up
5716527	7142321	1231478	dedicator of cytokinesis 9	Dock9	259237	1,04	up
6334684	7142321	1231489	dedicator of cytokinesis 9	Dock9	259237	1,04	down
5733091	7142321	1231517	dedicator of cytokinesis 9	Dock9	259237	1,03	down
5927599	7142321	1231499	dedicator of cytokinesis 9	Dock9	259237	1,02	down

6300099	7142321	1231527	dedicator of cytokinesis 9	Dock9	259237	1,02	down
6119044	7142321	1231510	dedicator of cytokinesis 9	Dock9	259237	1,01	up
6486710	7142321	1231514	dedicator of cytokinesis 9	Dock9	259237	1,01	down
6397499	7142321	1231535	dedicator of cytokinesis 9	Dock9	259237	1,00	down
6044525	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	2,68	up
6706870	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,74	up
5778958	7058768	1028790	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,74	up
5806604	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,57	up
6094678	7058768	1028787	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,55	down
5675411	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,47	up
6227807	7058768	1028788	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,39	down
6473906	7058768	1028796	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,36	up
5960970	7058768	1028791	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,16	down
6737066	7058768	1028792	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,14	down
6597555	7058768	1028797	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,13	up
6677201	7058768	1028793	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,11	down
6707651	7058768	1028795	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,08	down
6393456	7058768	1028794	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,07	up
6150050	7058768	1028789	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,06	down
6409387	7058768	1028790	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,06	down
6430321	7058768	1028798	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,05	down
6739360	7058768	1028799	deformed epidermal autoregulatory factor 1 (Drosophila)	Deaf1	83632	1,02	down
6663319	7138299	1221813	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	3,07	up
5843858	7138299	1221813	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,22	up
5978268	7138299	1221812	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,17	down
6158436	7138299	1221807	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,13	down
5960618	7138299	1221810	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,12	down
6365074	7138299	1221809	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,10	up
6505685	7138299	1221804	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,10	down
5917228	7138299	1221806	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,09	up
6421172	7138299	1221805	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,09	down
6366280	7138299	1221808	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,05	down
5800605	7138299	1221811	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,05	down
6389820	7138299	1221803	dehydrogenase/reductase (SDR family) member 1	Dhrs1	290234	1,04	down
5842998	7131838	1206001	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	2,23	up
5681232	7131838	1205995	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	2,09	up
6254284	7131838	1205995	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,93	up
6627070	7131838	1206000	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,69	down
5681937	7131838	1205997	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,58	down
5651907	7131838	1206002	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,49	down
6464847	7131838	1206003	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,44	up
6013989	7131838	1205999	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,37	down
6471264	7131838	1205996	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,31	up
6712277	7131838	1206000	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,25	up
6377219	7131838	1205998	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,07	up
6702219	7131838	1205995	dehydrogenase/reductase (SDR family) member 4	Dhrs4	266686	1,01	up
6421191	7307688	1641933	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	2,09	down
5830097	7307688	1641934	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	2,05	down
6726376	7307688	1641928	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,92	up
5761610	7307688	1641930	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,40	up
6054137	7307688	1641932	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,39	down
6287284	7307688	1641929	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,30	up
6167779	7307688	1641928	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,19	down
6193968	7307688	1641931	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,12	down
6678118	7307688	1641935	dehydrogenase/reductase (SDR family) member 7	Dhrs7	299131	1,06	up
6362392	7146093	1240976	deleted in liver cancer 1	Dlc1	58834	2,41	down
6203162	7146093	1240985	deleted in liver cancer 1	Dlc1	58834	2,40	down

6097567	7146093	1240968	deleted in liver cancer 1	Dlc1	58834	2,21	down
6351433	7146093	1240972	deleted in liver cancer 1	Dlc1	58834	2,08	down
6459740	7146093	1240984	deleted in liver cancer 1	Dlc1	58834	1,81	down
6645120	7146093	1240981	deleted in liver cancer 1	Dlc1	58834	1,64	down
6173999	7146093	1240976	deleted in liver cancer 1	Dlc1	58834	1,64	down
5845664	7146093	1240961	deleted in liver cancer 1	Dlc1	58834	1,54	down
6212119	7146093	1240983	deleted in liver cancer 1	Dlc1	58834	1,46	down
6022501	7146093	1240974	deleted in liver cancer 1	Dlc1	58834	1,42	down
5919066	7146093	1240983	deleted in liver cancer 1	Dlc1	58834	1,38	up
6297338	7146093	1240967	deleted in liver cancer 1	Dlc1	58834	1,38	down
5946277	7146093	1240960	deleted in liver cancer 1	Dlc1	58834	1,27	down
6317400	7146093	1240977	deleted in liver cancer 1	Dlc1	58834	1,24	up
6078198	7146093	1240980	deleted in liver cancer 1	Dlc1	58834	1,24	down
6226275	7146093	1240982	deleted in liver cancer 1	Dlc1	58834	1,15	up
5782500	7146093	1240973	deleted in liver cancer 1	Dlc1	58834	1,11	down
6114195	7146093	1240984	deleted in liver cancer 1	Dlc1	58834	1,11	up
6074350	7037488	979295	deleted in malignant brain tumors 1	Dmbt1	170568	1,85	up
6528635	7037488	979265	deleted in malignant brain tumors 1	Dmbt1	170568	1,83	up
6187283	7037488	979286	deleted in malignant brain tumors 1	Dmbt1	170568	1,81	up
6207118	7037488	979266	deleted in malignant brain tumors 1	Dmbt1	170568	1,67	up
6446564	7037488	979284	deleted in malignant brain tumors 1	Dmbt1	170568	1,65	down
6209744	7037488	979296	deleted in malignant brain tumors 1	Dmbt1	170568	1,62	down
6717802	7037488	979299	deleted in malignant brain tumors 1	Dmbt1	170568	1,60	up
5778569	7037488	979297	deleted in malignant brain tumors 1	Dmbt1	170568	1,54	down
6419967	7037488	979293	deleted in malignant brain tumors 1	Dmbt1	170568	1,50	up
6669123	7037488	979278	deleted in malignant brain tumors 1	Dmbt1	170568	1,49	down
6095710	7037488	979257	deleted in malignant brain tumors 1	Dmbt1	170568	1,48	down
6484677	7037488	979272	deleted in malignant brain tumors 1	Dmbt1	170568	1,46	down
6614095	7037488	979292	deleted in malignant brain tumors 1	Dmbt1	170568	1,44	up
5928472	7037488	979300	deleted in malignant brain tumors 1	Dmbt1	170568	1,40	down
6348340	7037488	979279	deleted in malignant brain tumors 1	Dmbt1	170568	1,35	down
6439779	7037488	979284	deleted in malignant brain tumors 1	Dmbt1	170568	1,33	down
6182481	7037488	979276	deleted in malignant brain tumors 1	Dmbt1	170568	1,32	down
6044339	7037488	979282	deleted in malignant brain tumors 1	Dmbt1	170568	1,31	up
6266118	7037488	979297	deleted in malignant brain tumors 1	Dmbt1	170568	1,31	down
5758983	7037488	979273	deleted in malignant brain tumors 1	Dmbt1	170568	1,25	down
6557127	7037488	979256	deleted in malignant brain tumors 1	Dmbt1	170568	1,25	up
5997221	7037488	979272	deleted in malignant brain tumors 1	Dmbt1	170568	1,23	down
6200099	7037488	979261	deleted in malignant brain tumors 1	Dmbt1	170568	1,22	down
6733333	7037488	979286	deleted in malignant brain tumors 1	Dmbt1	170568	1,21	up
6305371	7037488	979262	deleted in malignant brain tumors 1	Dmbt1	170568	1,20	down
5716461	7037488	979258	deleted in malignant brain tumors 1	Dmbt1	170568	1,20	up
6098703	7037488	979270	deleted in malignant brain tumors 1	Dmbt1	170568	1,19	up
6377118	7037488	979267	deleted in malignant brain tumors 1	Dmbt1	170568	1,19	down
6705924	7037488	979259	deleted in malignant brain tumors 1	Dmbt1	170568	1,19	down
6347721	7037488	979283	deleted in malignant brain tumors 1	Dmbt1	170568	1,19	up
6585866	7037488	979274	deleted in malignant brain tumors 1	Dmbt1	170568	1,19	up
6379088	7037488	979268	deleted in malignant brain tumors 1	Dmbt1	170568	1,18	up
5682388	7037488	979285	deleted in malignant brain tumors 1	Dmbt1	170568	1,15	up
6542318	7037488	979275	deleted in malignant brain tumors 1	Dmbt1	170568	1,12	up
6126374	7037488	979261	deleted in malignant brain tumors 1	Dmbt1	170568	1,11	up
5624138	7037488	979302	deleted in malignant brain tumors 1	Dmbt1	170568	1,10	down
6507522	7037488	979260	deleted in malignant brain tumors 1	Dmbt1	170568	1,10	up
6509074	7037488	979303	deleted in malignant brain tumors 1	Dmbt1	170568	1,10	down
5710068	7037488	979271	deleted in malignant brain tumors 1	Dmbt1	170568	1,09	down
6507382	7037488	979263	deleted in malignant brain tumors 1	Dmbt1	170568	1,09	down
6195131	7037488	979294	deleted in malignant brain tumors 1	Dmbt1	170568	1,08	up

5751078	7037488	979289	deleted in malignant brain tumors 1	Dmbt1	170568	1,07	down
6709701	7037488	979301	deleted in malignant brain tumors 1	Dmbt1	170568	1,06	down
6105899	7037488	979281	deleted in malignant brain tumors 1	Dmbt1	170568	1,06	up
6109487	7037488	979295	deleted in malignant brain tumors 1	Dmbt1	170568	1,05	up
6116995	7037488	979288	deleted in malignant brain tumors 1	Dmbt1	170568	1,04	down
6646326	7037488	979269	deleted in malignant brain tumors 1	Dmbt1	170568	1,03	down
6447723	7037488	979264	deleted in malignant brain tumors 1	Dmbt1	170568	1,03	up
6226287	7037488	979290	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
5685260	7037488	979277	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
5841979	7037488	979295	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
5850004	7037488	979298	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
6206643	7037488	979284	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
6224451	7037488	979287	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
6601647	7037488	979291	deleted in malignant brain tumors 1	Dmbt1	170568	1,02	up
6742336	7037488	979302	deleted in malignant brain tumors 1	Dmbt1	170568	1,01	down
5986501	7037488	979272	deleted in malignant brain tumors 1	Dmbt1	170568	1,00	down
5857197	7364655	1780718	delta/notch-like EGF repeat containing	Dner	316573	2,88	up
5757641	7364655	1780719	delta/notch-like EGF repeat containing	Dner	316573	2,38	up
6196129	7364655	1780716	delta/notch-like EGF repeat containing	Dner	316573	1,69	up
6509533	7364655	1780712	delta/notch-like EGF repeat containing	Dner	316573	1,51	down
6519118	7364655	1780717	delta/notch-like EGF repeat containing	Dner	316573	1,38	down
6459899	7364655	1780710	delta/notch-like EGF repeat containing	Dner	316573	1,22	up
5871292	7364655	1780711	delta/notch-like EGF repeat containing	Dner	316573	1,09	down
6640811	7364655	1780713	delta/notch-like EGF repeat containing	Dner	316573	1,08	down
6179867	7364655	1780715	delta/notch-like EGF repeat containing	Dner	316573	1,07	up
6104608	7364655	1780714	delta/notch-like EGF repeat containing	Dner	316573	1,05	down
6031908	7047097	1003765	delta-like 1 (Drosophila)	DIII	84010	2,16	up
6198945	7047097	1003773	delta-like 1 (Drosophila)	DIII	84010	1,76	down
6029479	7047097	1003766	delta-like 1 (Drosophila)	DIII	84010	1,65	down
5872380	7047097	1003769	delta-like 1 (Drosophila)	DIII	84010	1,53	down
6251074	7047097	1003764	delta-like 1 (Drosophila)	DIII	84010	1,53	up
6235085	7047097	1003762	delta-like 1 (Drosophila)	DIII	84010	1,39	down
5669423	7047097	1003762	delta-like 1 (Drosophila)	DIII	84010	1,33	up
5777791	7047097	1003770	delta-like 1 (Drosophila)	DIII	84010	1,31	up
5805262	7047097	1003768	delta-like 1 (Drosophila)	DIII	84010	1,28	up
6045020	7047097	1003763	delta-like 1 (Drosophila)	DIII	84010	1,11	up
5780001	7047097	1003773	delta-like 1 (Drosophila)	DIII	84010	1,11	up
5766741	7047097	1003771	delta-like 1 (Drosophila)	DIII	84010	1,06	up
6467930	7047097	1003765	delta-like 1 (Drosophila)	DIII	84010	1,03	down
6463078	7047097	1003772	delta-like 1 (Drosophila)	DIII	84010	1,02	down
6586859	7047097	1003767	delta-like 1 (Drosophila)	DIII	84010	1,02	down
5917044	7088621	1099846	deltex 3-like (Drosophila)	Dtx3l	498089	2,72	down
5790835	7088621	1099853	deltex 3-like (Drosophila)	Dtx3l	498089	2,01	up
6092856	7088621	1099851	deltex 3-like (Drosophila)	Dtx3l	498089	1,69	up
6123476	7088621	1099852	deltex 3-like (Drosophila)	Dtx3l	498089	1,40	up
6701276	7088621	1099849	deltex 3-like (Drosophila)	Dtx3l	498089	1,27	up
6293271	7088621	1099847	deltex 3-like (Drosophila)	Dtx3l	498089	1,27	up
5650642	7331605	1699646	dendrin	Ddn	25113	2,10	down
6403050	7331605	1699646	dendrin	Ddn	25113	1,75	down
6646481	7331605	1699645	dendrin	Ddn	25113	1,69	up
6465142	7331605	1699646	dendrin	Ddn	25113	1,47	down
6273397	7331605	1699647	dendrin	Ddn	25113	1,47	down
5878538	7331605	1699647	dendrin	Ddn	25113	1,38	down
6638337	7331605	1699646	dendrin	Ddn	25113	1,18	up
6579317	7331605	1699646	dendrin	Ddn	25113	1,11	up
6497149	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	2,21	up
5654121	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,49	up

6469535	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,40	up
6277382	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,37	down
6118957	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,34	up
5652674	7238115	1468560	DENN/MADD domain containing 1A	Dennd1a	311913	1,31	up
6260291	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,30	up
6723697	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,23	down
5618622	7238115	1468558	DENN/MADD domain containing 1A	Dennd1a	311913	1,11	up
6457093	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,08	up
5878815	7238115	1468557	DENN/MADD domain containing 1A	Dennd1a	311913	1,06	down
5718833	7197820	1370092	DENN/MADD domain containing 2D	Dennd2d	310772	2,34	up
6387889	7197820	1370093	DENN/MADD domain containing 2D	Dennd2d	310772	2,21	up
5856190	7197820	1370101	DENN/MADD domain containing 2D	Dennd2d	310772	2,15	up
6372753	7197820	1370085	DENN/MADD domain containing 2D	Dennd2d	310772	1,77	down
6243263	7197820	1370100	DENN/MADD domain containing 2D	Dennd2d	310772	1,53	down
6337515	7197820	1370103	DENN/MADD domain containing 2D	Dennd2d	310772	1,52	up
6604594	7197820	1370102	DENN/MADD domain containing 2D	Dennd2d	310772	1,50	up
6044874	7197820	1370095	DENN/MADD domain containing 2D	Dennd2d	310772	1,42	up
6048553	7197820	1370095	DENN/MADD domain containing 2D	Dennd2d	310772	1,27	up
6273129	7197820	1370091	DENN/MADD domain containing 2D	Dennd2d	310772	1,22	up
5941428	7197820	1370088	DENN/MADD domain containing 2D	Dennd2d	310772	1,04	down
6673039	7197820	1370090	DENN/MADD domain containing 2D	Dennd2d	310772	1,00	up
5724436	7197820	1370094	DENN/MADD domain containing 2D	Dennd2d	310772	1,00	up
6131064	7124111	1187276	deoxycytidine kinase	Dck	79127	2,26	down
6336088	7124111	1187276	deoxycytidine kinase	Dck	79127	1,67	down
6550412	7124111	1187273	deoxycytidine kinase	Dck	79127	1,48	up
5867932	7124111	1187271	deoxycytidine kinase	Dck	79127	1,44	up
6694605	7124111	1187270	deoxycytidine kinase	Dck	79127	1,43	up
6480094	7124111	1187275	deoxycytidine kinase	Dck	79127	1,32	down
6631579	7124111	1187272	deoxycytidine kinase	Dck	79127	1,19	up
6214002	7124111	1187274	deoxycytidine kinase	Dck	79127	1,13	up
6241965	7321942	1676499	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	2,00	down
5997556	7321942	1676499	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,64	up
6723793	7321942	1676498	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,62	up
5629027	7321942	1676497	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,52	down
5646138	7321942	1676497	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,29	down
6571789	7321942	1676501	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,07	down
5751011	7321942	1676501	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,01	down
6056833	7321942	1676498	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,01	up
6484509	7321942	1676500	deoxyhypusine hydroxylase/monooxygenase	Dohh	314644	1,01	up
5917743	7083103	1086446	dephospho-CoA kinase domain containing	Dcakd	360639	2,08	down
6609971	7083103	1086446	dephospho-CoA kinase domain containing	Dcakd	360639	1,87	down
6578468	7083103	1086443	dephospho-CoA kinase domain containing	Dcakd	360639	1,38	up
6370379	7083103	1086442	dephospho-CoA kinase domain containing	Dcakd	360639	1,29	down
6372873	7083103	1086441	dephospho-CoA kinase domain containing	Dcakd	360639	1,15	up
6172187	7083103	1086444	dephospho-CoA kinase domain containing	Dcakd	360639	1,14	down
6397921	7083103	1086445	dephospho-CoA kinase domain containing	Dcakd	360639	1,03	up
5767846	7030549	961803	dermokine	Dmkn	361548	2,59	down
5705273	7030549	961790	dermokine	Dmkn	361548	1,58	up
6241167	7030549	961799	dermokine	Dmkn	361548	1,53	down
5852160	7030549	961793	dermokine	Dmkn	361548	1,42	up
5673585	7030549	961794	dermokine	Dmkn	361548	1,39	down
6200826	7030549	961797	dermokine	Dmkn	361548	1,38	up
5916123	7030549	961803	dermokine	Dmkn	361548	1,34	down
6191006	7030549	961784	dermokine	Dmkn	361548	1,32	down
6006264	7030549	961791	dermokine	Dmkn	361548	1,28	up
6655052	7030549	961795	dermokine	Dmkn	361548	1,26	down
6557721	7030549	961792	dermokine	Dmkn	361548	1,15	down

6302976	7030549	961789	dermokine	Dmkn	361548	1,14	up
6651789	7030549	961787	dermokine	Dmkn	361548	1,13	down
6261672	7030549	961788	dermokine	Dmkn	361548	1,13	down
6354518	7030549	961785	dermokine	Dmkn	361548	1,10	up
5627800	7030549	961800	dermokine	Dmkn	361548	1,04	down
5699113	7030549	961799	dermokine	Dmkn	361548	1,03	up
5992472	7030549	961799	dermokine	Dmkn	361548	1,03	up
6547380	7030549	961803	dermokine	Dmkn	361548	1,03	down
5927679	7030549	961786	dermokine	Dmkn	361548	1,03	up
6147871	7030549	961796	dermokine	Dmkn	361548	1,02	up
6065899	7241745	1477760	diacylglycerol kinase zeta	Dgkz	81821	2,13	down
6615348	7241745	1477759	diacylglycerol kinase zeta	Dgkz	81821	1,68	down
6514249	7241745	1477747	diacylglycerol kinase zeta	Dgkz	81821	1,43	down
5806104	7241745	1477746	diacylglycerol kinase zeta	Dgkz	81821	1,39	up
6304954	7241745	1477763	diacylglycerol kinase zeta	Dgkz	81821	1,39	down
6608083	7241745	1477772	diacylglycerol kinase zeta	Dgkz	81821	1,26	up
6560578	7241745	1477748	diacylglycerol kinase zeta	Dgkz	81821	1,24	down
6009518	7241745	1477749	diacylglycerol kinase zeta	Dgkz	81821	1,23	up
5655540	7241745	1477750	diacylglycerol kinase zeta	Dgkz	81821	1,21	up
5880515	7241745	1477745	diacylglycerol kinase zeta	Dgkz	81821	1,20	up
6037674	7241745	1477756	diacylglycerol kinase zeta	Dgkz	81821	1,19	down
5714824	7241745	1477751	diacylglycerol kinase zeta	Dgkz	81821	1,19	up
6119306	7241745	1477771	diacylglycerol kinase zeta	Dgkz	81821	1,17	up
6112592	7241745	1477764	diacylglycerol kinase zeta	Dgkz	81821	1,17	up
6129048	7241745	1477741	diacylglycerol kinase zeta	Dgkz	81821	1,16	up
6195332	7241745	1477761	diacylglycerol kinase zeta	Dgkz	81821	1,16	up
5720881	7241745	1477769	diacylglycerol kinase zeta	Dgkz	81821	1,15	down
6388833	7241745	1477741	diacylglycerol kinase zeta	Dgkz	81821	1,14	down
5874906	7241745	1477755	diacylglycerol kinase zeta	Dgkz	81821	1,13	down
6061136	7241745	1477765	diacylglycerol kinase zeta	Dgkz	81821	1,12	up
5873496	7241745	1477747	diacylglycerol kinase zeta	Dgkz	81821	1,12	down
6148769	7241745	1477753	diacylglycerol kinase zeta	Dgkz	81821	1,12	down
6124449	7241745	1477768	diacylglycerol kinase zeta	Dgkz	81821	1,11	up
5831354	7241745	1477742	diacylglycerol kinase zeta	Dgkz	81821	1,11	down
6261260	7241745	1477741	diacylglycerol kinase zeta	Dgkz	81821	1,10	down
5663335	7241745	1477758	diacylglycerol kinase zeta	Dgkz	81821	1,07	up
6453350	7241745	1477744	diacylglycerol kinase zeta	Dgkz	81821	1,06	down
5967213	7241745	1477741	diacylglycerol kinase zeta	Dgkz	81821	1,06	up
6369701	7241745	1477767	diacylglycerol kinase zeta	Dgkz	81821	1,06	up
6465354	7241745	1477754	diacylglycerol kinase zeta	Dgkz	81821	1,04	up
5771010	7241745	1477752	diacylglycerol kinase zeta	Dgkz	81821	1,04	up
6396704	7241745	1477743	diacylglycerol kinase zeta	Dgkz	81821	1,02	down
5722490	7241745	1477762	diacylglycerol kinase zeta	Dgkz	81821	1,02	up
5630992	7241745	1477757	diacylglycerol kinase zeta	Dgkz	81821	1,01	up
5938255	7241745	1477770	diacylglycerol kinase zeta	Dgkz	81821	1,00	down
6298395	7241745	1477766	diacylglycerol kinase zeta	Dgkz	81821	1,00	up
6255532	7297505	1615378	diacylglycerol kinase, beta	Dgkb	54248	2,29	down
6534417	7297505	1615379	diacylglycerol kinase, beta	Dgkb	54248	2,18	down
5668175	7297505	1615391	diacylglycerol kinase, beta	Dgkb	54248	1,97	down
6389092	7297505	1615379	diacylglycerol kinase, beta	Dgkb	54248	1,68	up
5680081	7297505	1615375	diacylglycerol kinase, beta	Dgkb	54248	1,67	up
6274837	7297505	1615382	diacylglycerol kinase, beta	Dgkb	54248	1,66	down
6280817	7297505	1615374	diacylglycerol kinase, beta	Dgkb	54248	1,62	up
6100817	7297505	1615384	diacylglycerol kinase, beta	Dgkb	54248	1,59	down
6309831	7297505	1615374	diacylglycerol kinase, beta	Dgkb	54248	1,48	up
6346662	7297505	1615387	diacylglycerol kinase, beta	Dgkb	54248	1,45	down
6073831	7297505	1615397	diacylglycerol kinase, beta	Dgkb	54248	1,44	up

6734783	7297505	1615392	diacylglycerol kinase, beta	Dgkb	54248	1,39	up
5778029	7297505	1615394	diacylglycerol kinase, beta	Dgkb	54248	1,36	up
6503701	7297505	1615377	diacylglycerol kinase, beta	Dgkb	54248	1,30	down
6712498	7297505	1615396	diacylglycerol kinase, beta	Dgkb	54248	1,29	up
6659065	7297505	1615393	diacylglycerol kinase, beta	Dgkb	54248	1,19	up
6046959	7297505	1615376	diacylglycerol kinase, beta	Dgkb	54248	1,17	down
6538946	7297505	1615388	diacylglycerol kinase, beta	Dgkb	54248	1,16	up
5901990	7297505	1615395	diacylglycerol kinase, beta	Dgkb	54248	1,13	up
5750200	7297505	1615386	diacylglycerol kinase, beta	Dgkb	54248	1,11	up
6633703	7297505	1615389	diacylglycerol kinase, beta	Dgkb	54248	1,10	down
6021091	7297505	1615381	diacylglycerol kinase, beta	Dgkb	54248	1,06	up
6163224	7297505	1615380	diacylglycerol kinase, beta	Dgkb	54248	1,06	down
6271897	7297505	1615390	diacylglycerol kinase, beta	Dgkb	54248	1,04	down
6674249	7297505	1615383	diacylglycerol kinase, beta	Dgkb	54248	1,03	down
5751135	7297505	1615385	diacylglycerol kinase, beta	Dgkb	54248	1,00	down
6005089	7089490	1102344	diacylglycerol kinase, gamma	Dgkg	25666	2,39	up
6508853	7089490	1102341	diacylglycerol kinase, gamma	Dgkg	25666	2,10	down
6035647	7089490	1102364	diacylglycerol kinase, gamma	Dgkg	25666	1,81	up
6066243	7089490	1102342	diacylglycerol kinase, gamma	Dgkg	25666	1,74	up
5685307	7089490	1102354	diacylglycerol kinase, gamma	Dgkg	25666	1,71	down
6173450	7089490	1102350	diacylglycerol kinase, gamma	Dgkg	25666	1,59	up
6610208	7089490	1102344	diacylglycerol kinase, gamma	Dgkg	25666	1,56	down
6410902	7089490	1102360	diacylglycerol kinase, gamma	Dgkg	25666	1,50	down
5969704	7089490	1102363	diacylglycerol kinase, gamma	Dgkg	25666	1,29	up
6170383	7089490	1102340	diacylglycerol kinase, gamma	Dgkg	25666	1,29	down
6725707	7089490	1102361	diacylglycerol kinase, gamma	Dgkg	25666	1,28	up
6524464	7089490	1102351	diacylglycerol kinase, gamma	Dgkg	25666	1,22	down
6327022	7089490	1102349	diacylglycerol kinase, gamma	Dgkg	25666	1,15	up
5658694	7089490	1102359	diacylglycerol kinase, gamma	Dgkg	25666	1,14	down
6564855	7089490	1102347	diacylglycerol kinase, gamma	Dgkg	25666	1,13	up
5974812	7089490	1102353	diacylglycerol kinase, gamma	Dgkg	25666	1,12	up
6587529	7089490	1102343	diacylglycerol kinase, gamma	Dgkg	25666	1,12	up
6246463	7089490	1102356	diacylglycerol kinase, gamma	Dgkg	25666	1,12	up
6539898	7089490	1102355	diacylglycerol kinase, gamma	Dgkg	25666	1,10	down
6144972	7089490	1102346	diacylglycerol kinase, gamma	Dgkg	25666	1,09	down
5650913	7089490	1102340	diacylglycerol kinase, gamma	Dgkg	25666	1,08	up
5691640	7089490	1102357	diacylglycerol kinase, gamma	Dgkg	25666	1,07	up
6525082	7089490	1102352	diacylglycerol kinase, gamma	Dgkg	25666	1,04	down
5879876	7089490	1102358	diacylglycerol kinase, gamma	Dgkg	25666	1,04	down
6106291	7089490	1102350	diacylglycerol kinase, gamma	Dgkg	25666	1,03	down
6478234	7089490	1102362	diacylglycerol kinase, gamma	Dgkg	25666	1,01	up
5660691	7089490	1102348	diacylglycerol kinase, gamma	Dgkg	25666	1,00	up
6570124	7329245	1693738	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	2,10	up
6620870	7329245	1693747	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,68	down
6261788	7329245	1693737	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,44	up
6638570	7329245	1693744	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,44	down
6395080	7329245	1693742	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,40	up
6050010	7329245	1693736	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,38	up
6314138	7329245	1693746	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,36	down
6271073	7329245	1693735	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,31	up
6414191	7329245	1693739	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,31	up
6625856	7329245	1693732	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,29	up
6064000	7329245	1693733	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,21	down
6347671	7329245	1693734	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,19	down
5684811	7329245	1693747	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,19	down
5645652	7329245	1693747	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,14	down
5958886	7329245	1693743	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,10	down

5958476	7329245	1693745	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,09	down
5715183	7329245	1693741	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,06	down
6690645	7329245	1693740	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,02	up
6144225	7329245	1693731	diacylglycerol O-acyltransferase homolog 1 (mouse)	Dgat1	84497	1,00	down
6483803	7376820	1813416	diaphanous homolog 2 (Drosophila)	Diaph2	317189	1,24	down
6427008	7376820	1813434	diaphanous homolog 2 (Drosophila)	Diaph2	317189	1,20	down
5967807	7376820	1813440	diaphanous homolog 2 (Drosophila)	Diaph2	317189	1,06	down
6239914	7185324	1338643	dihydroorotate dehydrogenase	Dhodh	65156	2,04	up
6175504	7185324	1338639	dihydroorotate dehydrogenase	Dhodh	65156	1,40	up
6417482	7185324	1338636	dihydroorotate dehydrogenase	Dhodh	65156	1,39	down
5749040	7185324	1338638	dihydroorotate dehydrogenase	Dhodh	65156	1,31	up
5920982	7185324	1338643	dihydroorotate dehydrogenase	Dhodh	65156	1,30	down
6449297	7185324	1338642	dihydroorotate dehydrogenase	Dhodh	65156	1,21	up
6181519	7185324	1338640	dihydroorotate dehydrogenase	Dhodh	65156	1,13	down
5899864	7185324	1338644	dihydroorotate dehydrogenase	Dhodh	65156	1,12	up
5693352	7185324	1338641	dihydroorotate dehydrogenase	Dhodh	65156	1,12	down
6380108	7185324	1338637	dihydroorotate dehydrogenase	Dhodh	65156	1,03	down
6361553	7180668	1326582	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	2,01	down
6224304	7180668	1326570	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,79	up
6637973	7180668	1326566	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,60	down
6231217	7180668	1326569	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,50	up
6095278	7180668	1326582	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,45	down
6435068	7180668	1326581	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,32	down
6158665	7180668	1326577	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,25	up
6113726	7180668	1326566	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,22	up
6661297	7180668	1326576	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,22	up
6626039	7180668	1326571	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,21	down
5892255	7180668	1326580	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,17	down
6699482	7180668	1326572	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,15	up
6189454	7180668	1326573	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,14	up
6020433	7180668	1326579	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,12	down
5712530	7180668	1326574	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,11	up
5900835	7180668	1326578	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,06	down
6258241	7180668	1326565	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,03	up
6151926	7180668	1326575	dihydrouridine synthase 2-like, SMM1 homolog (S. cerevisiae)	Dus2l	291978	1,03	up
6510197	7370415	1796850	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,56	down
5857370	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,40	up
6665946	7370415	1796852	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,37	down
5625106	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,35	up
5861126	7370415	1796855	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,30	up
5971994	7370415	1796852	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,29	up
6082623	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,24	up
5941946	7370415	1796850	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,22	down
6018670	7370415	1796850	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,12	down
5649745	7370415	1796854	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,09	down
6014067	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,07	up
6706015	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,04	down
6030612	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,04	up
6077486	7370415	1796853	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,03	up
5925960	7370415	1796851	dihydrouridine synthase 3-like (S. cerevisiae)	Dus3l	301122	1,01	down
6330927	7200432	1376628	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	2,64	down
6630462	7200432	1376628	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	1,21	up
6236440	7200432	1376627	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	1,16	down
6027164	7200432	1376626	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	1,12	up
6024647	7200432	1376630	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	1,11	down
5786778	7200432	1376629	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	1,06	up
5755231	7200432	1376625	dimethylarginine dimethylaminohydrolase 1	Ddah1	64157	1,06	up

5697261	7196187	1365988	Dingo protein	LOC499653	499653	2,17	down
5634713	7196187	1365990	Dingo protein	LOC499653	499653	1,90	down
6567221	7196187	1365987	Dingo protein	LOC499653	499653	1,87	up
6686856	7196187	1365963	Dingo protein	LOC499653	499653	1,81	up
6160785	7196187	1365962	Dingo protein	LOC499653	499653	1,57	up
6368139	7196187	1365970	Dingo protein	LOC499653	499653	1,53	down
5988393	7196187	1365966	Dingo protein	LOC499653	499653	1,41	up
6714070	7196187	1365973	Dingo protein	LOC499653	499653	1,33	down
6358177	7196187	1365988	Dingo protein	LOC499653	499653	1,32	down
5787169	7196187	1365988	Dingo protein	LOC499653	499653	1,27	up
6057975	7196187	1365979	Dingo protein	LOC499653	499653	1,27	up
6247015	7196187	1365985	Dingo protein	LOC499653	499653	1,26	down
6715109	7196187	1365961	Dingo protein	LOC499653	499653	1,26	up
6680711	7196187	1365970	Dingo protein	LOC499653	499653	1,23	down
6471253	7196187	1365958	Dingo protein	LOC499653	499653	1,23	up
6112453	7196187	1365974	Dingo protein	LOC499653	499653	1,21	down
5988035	7196187	1365989	Dingo protein	LOC499653	499653	1,20	up
6388733	7196187	1365971	Dingo protein	LOC499653	499653	1,20	down
6729307	7196187	1365957	Dingo protein	LOC499653	499653	1,20	down
6462208	7196187	1365975	Dingo protein	LOC499653	499653	1,19	up
5618812	7196187	1365986	Dingo protein	LOC499653	499653	1,19	up
6566511	7196187	1365967	Dingo protein	LOC499653	499653	1,17	down
6180703	7196187	1365972	Dingo protein	LOC499653	499653	1,16	down
5994131	7196187	1365988	Dingo protein	LOC499653	499653	1,16	up
5944011	7196187	1365978	Dingo protein	LOC499653	499653	1,16	up
5702379	7196187	1365957	Dingo protein	LOC499653	499653	1,16	up
6422387	7196187	1365965	Dingo protein	LOC499653	499653	1,15	up
6305887	7196187	1365953	Dingo protein	LOC499653	499653	1,14	up
5705457	7196187	1365960	Dingo protein	LOC499653	499653	1,12	down
5796314	7196187	1365976	Dingo protein	LOC499653	499653	1,11	down
6569301	7196187	1365984	Dingo protein	LOC499653	499653	1,09	down
6012934	7196187	1365953	Dingo protein	LOC499653	499653	1,09	up
6576128	7196187	1365988	Dingo protein	LOC499653	499653	1,09	up
5801539	7196187	1365954	Dingo protein	LOC499653	499653	1,09	up
6364769	7196187	1365959	Dingo protein	LOC499653	499653	1,07	down
5850776	7196187	1365978	Dingo protein	LOC499653	499653	1,07	up
6219148	7196187	1365983	Dingo protein	LOC499653	499653	1,07	down
6272877	7196187	1365980	Dingo protein	LOC499653	499653	1,06	up
6624434	7196187	1365977	Dingo protein	LOC499653	499653	1,03	down
6075212	7196187	1365982	Dingo protein	LOC499653	499653	1,03	up
6225410	7196187	1365965	Dingo protein	LOC499653	499653	1,01	down
6230322	7196187	1365954	Dingo protein	LOC499653	499653	1,00	up
6140082	7196187	1365981	Dingo protein	LOC499653	499653	1,00	down
6131700	7217747	1417466	DIP2 disco-interacting protein 2 homolog A (Drosophila) /// similar to Disco-interacting protein 2 hoip2a /// LOC68768 690211 /// 687682			1,13	down
5727181	7217747	1417512	DIP2 disco-interacting protein 2 homolog A (Drosophila) /// similar to Disco-interacting protein 2 hoip2a /// LOC68768 690211 /// 687682			1,08	up
6013208	7320735	1674190	DIP2 disco-interacting protein 2 homolog B (Drosophila)	Dip2b	300231	1,39	down
5676712	7367994	1789236	dipeptidyl peptidase 9	Dpp9	301130	1,79	up
6316624	7367994	1789257	dipeptidyl peptidase 9	Dpp9	301130	1,45	down
6600825	7367994	1789249	dipeptidyl peptidase 9	Dpp9	301130	1,32	up
6040212	7367994	1789253	dipeptidyl peptidase 9	Dpp9	301130	1,21	down
6473119	7367994	1789248	dipeptidyl peptidase 9	Dpp9	301130	1,20	down
6256375	7367994	1789264	dipeptidyl peptidase 9	Dpp9	301130	1,16	up
6350545	7367994	1789259	dipeptidyl peptidase 9	Dpp9	301130	1,13	up
5994381	7367994	1789258	dipeptidyl peptidase 9	Dpp9	301130	1,11	up
6237473	7367994	1789237	dipeptidyl peptidase 9	Dpp9	301130	1,11	down
6052098	7367994	1789246	dipeptidyl peptidase 9	Dpp9	301130	1,11	down
6519986	7367994	1789247	dipeptidyl peptidase 9	Dpp9	301130	1,10	down

6404281	7367994	1789250	dipeptidyl peptidase 9	Dpp9	301130	1,09	down
6461085	7367994	1789260	dipeptidyl peptidase 9	Dpp9	301130	1,08	down
6314083	7367994	1789261	dipeptidyl peptidase 9	Dpp9	301130	1,08	down
6107182	7367994	1789240	dipeptidyl peptidase 9	Dpp9	301130	1,06	down
6290056	7367994	1789254	dipeptidyl peptidase 9	Dpp9	301130	1,05	up
5864317	7367994	1789265	dipeptidyl peptidase 9	Dpp9	301130	1,04	up
6196939	7367994	1789252	dipeptidyl peptidase 9	Dpp9	301130	1,04	down
6450064	7367994	1789247	dipeptidyl peptidase 9	Dpp9	301130	1,03	up
6478190	7367994	1789266	dipeptidyl peptidase 9	Dpp9	301130	1,03	up
6305923	7367994	1789262	dipeptidyl peptidase 9	Dpp9	301130	1,00	up
6294171	7260307	1523419	dipeptidylpeptidase 6	Dpp6	29272	2,75	up
6361411	7260307	1523419	dipeptidylpeptidase 6	Dpp6	29272	2,44	up
6172139	7260307	1523407	dipeptidylpeptidase 6	Dpp6	29272	2,38	up
6063996	7260307	1523406	dipeptidylpeptidase 6	Dpp6	29272	1,66	down
5787741	7260307	1523417	dipeptidylpeptidase 6	Dpp6	29272	1,65	up
6055158	7260307	1523399	dipeptidylpeptidase 6	Dpp6	29272	1,54	down
6678400	7260307	1523397	dipeptidylpeptidase 6	Dpp6	29272	1,54	up
5948572	7260307	1523396	dipeptidylpeptidase 6	Dpp6	29272	1,47	up
6412427	7260307	1523403	dipeptidylpeptidase 6	Dpp6	29272	1,41	up
6461473	7260307	1523415	dipeptidylpeptidase 6	Dpp6	29272	1,40	down
5794592	7260307	1523395	dipeptidylpeptidase 6	Dpp6	29272	1,38	down
6334152	7260307	1523398	dipeptidylpeptidase 6	Dpp6	29272	1,33	down
5961961	7260307	1523408	dipeptidylpeptidase 6	Dpp6	29272	1,32	up
6463236	7260307	1523394	dipeptidylpeptidase 6	Dpp6	29272	1,30	down
5674446	7260307	1523400	dipeptidylpeptidase 6	Dpp6	29272	1,24	down
5793799	7260307	1523404	dipeptidylpeptidase 6	Dpp6	29272	1,23	up
6662810	7260307	1523402	dipeptidylpeptidase 6	Dpp6	29272	1,20	down
5868487	7260307	1523405	dipeptidylpeptidase 6	Dpp6	29272	1,17	down
6610818	7260307	1523410	dipeptidylpeptidase 6	Dpp6	29272	1,15	up
6100361	7260307	1523393	dipeptidylpeptidase 6	Dpp6	29272	1,15	up
6375571	7260307	1523411	dipeptidylpeptidase 6	Dpp6	29272	1,11	down
5838017	7260307	1523401	dipeptidylpeptidase 6	Dpp6	29272	1,11	up
5870852	7260307	1523414	dipeptidylpeptidase 6	Dpp6	29272	1,11	down
6293548	7260307	1523409	dipeptidylpeptidase 6	Dpp6	29272	1,09	up
6545474	7260307	1523416	dipeptidylpeptidase 6	Dpp6	29272	1,09	up
6181567	7260307	1523412	dipeptidylpeptidase 6	Dpp6	29272	1,08	down
6381779	7260307	1523418	dipeptidylpeptidase 6	Dpp6	29272	1,01	up
6392588	7260307	1523413	dipeptidylpeptidase 6	Dpp6	29272	1,01	down
5686526	7337250	1712745	dipeptidylpeptidase 8	Dpp8	315758	2,50	down
6511430	7337250	1712745	dipeptidylpeptidase 8	Dpp8	315758	1,92	down
5768058	7337250	1712721	dipeptidylpeptidase 8	Dpp8	315758	1,57	up
6624492	7337250	1712745	dipeptidylpeptidase 8	Dpp8	315758	1,43	down
6107097	7337250	1712728	dipeptidylpeptidase 8	Dpp8	315758	1,36	up
5647191	7337250	1712735	dipeptidylpeptidase 8	Dpp8	315758	1,36	down
5692631	7337250	1712734	dipeptidylpeptidase 8	Dpp8	315758	1,21	up
6334876	7337250	1712742	dipeptidylpeptidase 8	Dpp8	315758	1,20	down
6238887	7337250	1712725	dipeptidylpeptidase 8	Dpp8	315758	1,15	down
6088859	7337250	1712740	dipeptidylpeptidase 8	Dpp8	315758	1,09	up
5933878	7337250	1712733	dipeptidylpeptidase 8	Dpp8	315758	1,09	down
6198636	7337250	1712736	dipeptidylpeptidase 8	Dpp8	315758	1,09	up
6351251	7337250	1712732	dipeptidylpeptidase 8	Dpp8	315758	1,08	up
5770296	7337250	1712726	dipeptidylpeptidase 8	Dpp8	315758	1,07	down
6217181	7337250	1712737	dipeptidylpeptidase 8	Dpp8	315758	1,07	down
6422639	7337250	1712730	dipeptidylpeptidase 8	Dpp8	315758	1,06	down
6368315	7337250	1712729	dipeptidylpeptidase 8	Dpp8	315758	1,06	down
6394021	7337250	1712723	dipeptidylpeptidase 8	Dpp8	315758	1,05	up
6635394	7337250	1712741	dipeptidylpeptidase 8	Dpp8	315758	1,03	up

5847097	7337250	1712727	dipeptidylpeptidase 8	Dpp8	315758	1,03	up
5982734	7337250	1712724	dipeptidylpeptidase 8	Dpp8	315758	1,02	up
6724881	7337250	1712722	dipeptidylpeptidase 8	Dpp8	315758	1,01	down
6484710	7337250	1712736	dipeptidylpeptidase 8	Dpp8	315758	1,01	down
5735613	7337250	1712743	dipeptidylpeptidase 8	Dpp8	315758	1,01	up
6154623	7337250	1712731	dipeptidylpeptidase 8	Dpp8	315758	1,00	up
6201756	7337250	1712744	dipeptidylpeptidase 8	Dpp8	315758	1,00	up
6703309	7277904	1567790	disabled homolog 1 (Drosophila)	Dab1	266729	2,21	up
6727086	7277904	1567787	disabled homolog 1 (Drosophila)	Dab1	266729	1,93	down
6212266	7277904	1567795	disabled homolog 1 (Drosophila)	Dab1	266729	1,92	down
5730790	7277904	1567794	disabled homolog 1 (Drosophila)	Dab1	266729	1,63	down
5860105	7277904	1567794	disabled homolog 1 (Drosophila)	Dab1	266729	1,50	up
6188859	7277904	1567789	disabled homolog 1 (Drosophila)	Dab1	266729	1,43	up
5954445	7277904	1567793	disabled homolog 1 (Drosophila)	Dab1	266729	1,39	down
5991473	7277904	1567791	disabled homolog 1 (Drosophila)	Dab1	266729	1,36	up
6067648	7277904	1567796	disabled homolog 1 (Drosophila)	Dab1	266729	1,24	up
6335381	7277904	1567793	disabled homolog 1 (Drosophila)	Dab1	266729	1,20	down
6561268	7277904	1567784	disabled homolog 1 (Drosophila)	Dab1	266729	1,10	up
6217388	7277904	1567785	disabled homolog 1 (Drosophila)	Dab1	266729	1,06	up
5722378	7277904	1567786	disabled homolog 1 (Drosophila)	Dab1	266729	1,06	down
6592422	7277904	1567794	disabled homolog 1 (Drosophila)	Dab1	266729	1,05	up
6493888	7277904	1567792	disabled homolog 1 (Drosophila)	Dab1	266729	1,05	up
6085891	7277904	1567788	disabled homolog 1 (Drosophila)	Dab1	266729	1,00	down
5708090	7358788	1766862	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	2,04	down
6547712	7358788	1766858	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,89	down
5632820	7358788	1766864	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,76	down
6015921	7358788	1766852	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,62	down
6014965	7358788	1766859	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,28	down
6274447	7358788	1766855	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,27	up
5698943	7358788	1766854	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,26	down
6738474	7358788	1766856	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,14	down
5932658	7358788	1766860	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,12	up
6167827	7358788	1766862	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,11	down
5681999	7358788	1766862	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,08	up
5885376	7358788	1766865	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,06	up
5772300	7358788	1766866	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,05	down
6095789	7358788	1766855	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,04	down
5752923	7358788	1766866	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,04	up
6626441	7358788	1766868	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,04	up
5909671	7358788	1766867	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,04	up
6352186	7358788	1766857	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,02	up
6530797	7358788	1766861	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,01	up
6376356	7358788	1766863	discs, large (Drosophila) homolog-associated protein 1	Dlgap1	65040	1,01	down
5853811	7034056	971211	discs, large homolog 2 (Drosophila)	Dlg2	64053	2,36	up
6264636	7034056	971190	discs, large homolog 2 (Drosophila)	Dlg2	64053	2,24	down
6425806	7034056	971203	discs, large homolog 2 (Drosophila)	Dlg2	64053	2,02	up
6555344	7034056	971207	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,97	up
5663264	7034056	971208	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,76	up
6107829	7034056	971197	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,63	down
6352103	7034056	971204	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,58	up
6737726	7034056	971202	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,47	up
6549252	7034056	971196	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,40	down
5681407	7034056	971200	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,39	down
6251614	7034056	971201	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,24	down
6010638	7034056	971191	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,24	down
6214699	7034056	971194	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,23	up
6688706	7034056	971206	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,23	up

5880249	7034056	971192	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,23	up
5621919	7034056	971199	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,22	down
6302520	7034056	971193	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,19	down
6072982	7034056	971210	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,19	up
6534324	7034056	971198	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,17	down
6474602	7034056	971205	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,14	up
5644700	7034056	971189	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,14	down
6326220	7034056	971189	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,12	down
5850260	7034056	971195	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,08	up
6290319	7034056	971209	discs, large homolog 2 (Drosophila)	Dlg2	64053	1,06	up
5915851	7375958	1811484	discs, large homolog 3 (Drosophila)	Dlg3	58948	2,08	up
6235952	7375958	1811479	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,62	up
5755526	7375958	1811496	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,58	up
6013707	7375958	1811487	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,57	up
6653462	7375958	1811479	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,52	up
6356643	7375958	1811480	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,52	up
6331307	7375958	1811491	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,47	down
6289287	7375958	1811493	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,42	down
5780648	7375958	1811481	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,32	up
6292500	7375958	1811485	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,32	up
6335832	7375958	1811490	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,28	down
6070347	7375958	1811492	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,27	down
6718423	7375958	1811486	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,25	up
6418605	7375958	1811482	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,20	up
6417912	7375958	1811495	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,10	down
6060689	7375958	1811498	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,08	down
6690496	7375958	1811483	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,08	up
6339706	7375958	1811497	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,07	up
5722979	7375958	1811489	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,06	up
6447592	7375958	1811499	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,05	up
6369945	7375958	1811494	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,04	down
5907661	7375958	1811488	discs, large homolog 3 (Drosophila)	Dlg3	58948	1,01	down
6377928	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	2,32	down
6702602	7129578	1200047	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,74	up
6080814	7129578	1200053	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,73	up
6645228	7129578	1200046	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,51	down
5728317	7129578	1200043	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,49	down
6030898	7129578	1200062	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,48	up
5829481	7129578	1200063	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,47	up
6500987	7129578	1200045	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,44	down
6608120	7129578	1200057	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,42	down
6593885	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,37	down
5688983	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,30	down
6119011	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,28	up
6691832	7129578	1200053	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,23	down
6125576	7129578	1200072	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,20	down
5633271	7129578	1200068	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,18	up
6493292	7129578	1200055	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,17	up
6065375	7129578	1200044	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,17	up
5753102	7129578	1200061	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,13	up
5668512	7129578	1200052	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,12	up
6672136	7129578	1200042	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,12	up
6377028	7129578	1200071	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,12	down
6442360	7129578	1200074	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,07	up
5891572	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,06	up
6270330	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,06	up
6597583	7129578	1200059	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,05	down

6303653	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,05	up
6490724	7129578	1200050	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,05	down
6577800	7129578	1200049	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,05	up
6303609	7129578	1200069	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,04	down
5716168	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,04	up
5736555	7129578	1200048	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,04	up
6028900	7129578	1200075	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,04	up
6633038	7129578	1200060	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,03	down
6287202	7129578	1200056	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,02	down
6459805	7129578	1200054	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,02	up
5898738	7129578	1200063	discs, large homolog 5 (Drosophila)	Dlg5	305645	1,00	down
5993670	7234514	1459621	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	2,41	up
5754281	7234514	1459615	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	2,22	down
6167499	7234514	1459612	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,66	down
5645604	7234514	1459616	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,65	down
6714295	7234514	1459619	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,61	up
6471997	7234514	1459617	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,58	up
6124186	7234514	1459612	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,40	down
6299980	7234514	1459618	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,12	down
5789243	7234514	1459622	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,07	down
6197546	7234514	1459614	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,05	up
6001082	7234514	1459613	discs, large homolog-associated protein 4 (Drosophila)	Dlgap4	286930	1,02	up
5673404	7114934	1164521	dispatched homolog 1 (Drosophila)	Disp1	289338	1,54	up
6434834	7114934	1164518	dispatched homolog 1 (Drosophila)	Disp1	289338	1,48	down
5749631	7114934	1164519	dispatched homolog 1 (Drosophila)	Disp1	289338	1,45	up
6243979	7114934	1164518	dispatched homolog 1 (Drosophila)	Disp1	289338	1,38	down
6424239	7114934	1164528	dispatched homolog 1 (Drosophila)	Disp1	289338	1,15	up
6654744	7114934	1164520	dispatched homolog 1 (Drosophila)	Disp1	289338	1,09	up
6599039	7114934	1164522	dispatched homolog 1 (Drosophila)	Disp1	289338	1,07	down
6698433	7114934	1164526	dispatched homolog 1 (Drosophila)	Disp1	289338	1,05	up
6311154	7231533	1451502	dispatched homolog 2 (Drosophila)	Disp2	311324	1,64	down
6011147	7231533	1451502	dispatched homolog 2 (Drosophila)	Disp2	311324	1,55	down
5745731	7231533	1451504	dispatched homolog 2 (Drosophila)	Disp2	311324	1,48	up
5655374	7231533	1451501	dispatched homolog 2 (Drosophila)	Disp2	311324	1,40	down
5777455	7231533	1451504	dispatched homolog 2 (Drosophila)	Disp2	311324	1,34	up
6285078	7231533	1451500	dispatched homolog 2 (Drosophila)	Disp2	311324	1,24	down
6304771	7231533	1451504	dispatched homolog 2 (Drosophila)	Disp2	311324	1,20	up
6164846	7231533	1451504	dispatched homolog 2 (Drosophila)	Disp2	311324	1,19	up
5977972	7231533	1451504	dispatched homolog 2 (Drosophila)	Disp2	311324	1,18	down
5709392	7231533	1451504	dispatched homolog 2 (Drosophila)	Disp2	311324	1,10	down
6170325	7231533	1451503	dispatched homolog 2 (Drosophila)	Disp2	311324	1,05	down
6236407	7231533	1451503	dispatched homolog 2 (Drosophila)	Disp2	311324	1,03	down
5840403	7231533	1451502	dispatched homolog 2 (Drosophila)	Disp2	311324	1,03	down
5662196	7081810	1083546	distal-less homeobox 4	Dlx4	303469	2,02	down
5673937	7081810	1083552	distal-less homeobox 4	Dlx4	303469	1,85	up
6215971	7081810	1083552	distal-less homeobox 4	Dlx4	303469	1,54	up
6493687	7081810	1083549	distal-less homeobox 4	Dlx4	303469	1,35	down
6109002	7081810	1083547	distal-less homeobox 4	Dlx4	303469	1,22	up
6024775	7081810	1083548	distal-less homeobox 4	Dlx4	303469	1,08	down
6660309	7081810	1083550	distal-less homeobox 4	Dlx4	303469	1,06	down
6267436	7345465	1733829	DIX domain containing 1	Dixdc1	363062	1,97	up
5862928	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,83	down
6223917	7345465	1733821	DIX domain containing 1	Dixdc1	363062	1,56	up
6671327	7345465	1733846	DIX domain containing 1	Dixdc1	363062	1,50	down
6190068	7345465	1733826	DIX domain containing 1	Dixdc1	363062	1,37	down
6739667	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,35	down
6717501	7345465	1733851	DIX domain containing 1	Dixdc1	363062	1,29	up

6073327	7345465	1733820	DIX domain containing 1	Dixdc1	363062	1,27	down
5720655	7345465	1733838	DIX domain containing 1	Dixdc1	363062	1,22	down
6551858	7345465	1733828	DIX domain containing 1	Dixdc1	363062	1,20	down
5881916	7345465	1733837	DIX domain containing 1	Dixdc1	363062	1,19	up
5682166	7345465	1733845	DIX domain containing 1	Dixdc1	363062	1,18	up
6722336	7345465	1733831	DIX domain containing 1	Dixdc1	363062	1,17	up
5773568	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,17	up
6389998	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,15	down
6133156	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,15	up
6370099	7345465	1733833	DIX domain containing 1	Dixdc1	363062	1,14	down
6189362	7345465	1733824	DIX domain containing 1	Dixdc1	363062	1,10	down
6061482	7345465	1733847	DIX domain containing 1	Dixdc1	363062	1,08	up
6242773	7345465	1733830	DIX domain containing 1	Dixdc1	363062	1,07	up
6278461	7345465	1733819	DIX domain containing 1	Dixdc1	363062	1,06	up
6459759	7345465	1733846	DIX domain containing 1	Dixdc1	363062	1,03	up
6094717	7345465	1733834	DIX domain containing 1	Dixdc1	363062	1,03	up
5668473	7345465	1733832	DIX domain containing 1	Dixdc1	363062	1,02	up
6303606	7278352	1569014	DMRT-like family A2	Dmrta2	313471	2,23	up
5897445	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,71	down
6149317	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,49	up
5926625	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,37	down
6267320	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,19	down
6380261	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,17	up
6233284	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,13	up
6235105	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,11	up
6240976	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,09	up
6227959	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,08	up
5664868	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,06	up
5664439	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,05	down
5663083	7278352	1569012	DMRT-like family A2	Dmrta2	313471	1,04	down
6241210	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,02	down
6277077	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,02	down
5709551	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,01	down
6061710	7278352	1569014	DMRT-like family A2	Dmrta2	313471	1,00	up
6260072	7278352	1569016	DMRT-like family A2	Dmrta2	313471	1,00	up
6216192	7234100	1458626	DNA methyltransferase 3B	Dnmt3b	444985	2,08	down
6107408	7234100	1458623	DNA methyltransferase 3B	Dnmt3b	444985	1,96	up
6457561	7234100	1458633	DNA methyltransferase 3B	Dnmt3b	444985	1,86	up
5837505	7234100	1458627	DNA methyltransferase 3B	Dnmt3b	444985	1,48	down
6633663	7234100	1458617	DNA methyltransferase 3B	Dnmt3b	444985	1,47	up
6040131	7234100	1458635	DNA methyltransferase 3B	Dnmt3b	444985	1,39	down
5984026	7234100	1458614	DNA methyltransferase 3B	Dnmt3b	444985	1,37	up
6181676	7234100	1458621	DNA methyltransferase 3B	Dnmt3b	444985	1,36	up
5945770	7234100	1458617	DNA methyltransferase 3B	Dnmt3b	444985	1,29	down
6043092	7234100	1458616	DNA methyltransferase 3B	Dnmt3b	444985	1,29	up
6260973	7234100	1458612	DNA methyltransferase 3B	Dnmt3b	444985	1,25	up
5915078	7234100	1458628	DNA methyltransferase 3B	Dnmt3b	444985	1,23	up
6425791	7234100	1458634	DNA methyltransferase 3B	Dnmt3b	444985	1,23	up
6569857	7234100	1458621	DNA methyltransferase 3B	Dnmt3b	444985	1,21	down
6202433	7234100	1458624	DNA methyltransferase 3B	Dnmt3b	444985	1,21	up
6311797	7234100	1458629	DNA methyltransferase 3B	Dnmt3b	444985	1,21	up
6076922	7234100	1458620	DNA methyltransferase 3B	Dnmt3b	444985	1,17	up
5634578	7234100	1458618	DNA methyltransferase 3B	Dnmt3b	444985	1,13	up
6546698	7234100	1458634	DNA methyltransferase 3B	Dnmt3b	444985	1,11	down
6292151	7234100	1458615	DNA methyltransferase 3B	Dnmt3b	444985	1,10	up
6497939	7234100	1458622	DNA methyltransferase 3B	Dnmt3b	444985	1,10	down
6581752	7234100	1458613	DNA methyltransferase 3B	Dnmt3b	444985	1,08	up

5898548	7234100	1458611	DNA methyltransferase 3B	Dnmt3b	444985	1,07	up
5869772	7234100	1458613	DNA methyltransferase 3B	Dnmt3b	444985	1,06	down
6038650	7234100	1458630	DNA methyltransferase 3B	Dnmt3b	444985	1,04	up
5667603	7234100	1458625	DNA methyltransferase 3B	Dnmt3b	444985	1,04	up
6084899	7234100	1458626	DNA methyltransferase 3B	Dnmt3b	444985	1,04	down
5742853	7234100	1458619	DNA methyltransferase 3B	Dnmt3b	444985	1,04	down
6339007	7234100	1458631	DNA methyltransferase 3B	Dnmt3b	444985	1,03	up
6398566	7234100	1458632	DNA methyltransferase 3B	Dnmt3b	444985	1,02	up
5623072	7234100	1458626	DNA methyltransferase 3B	Dnmt3b	444985	1,01	up
6356823	7292657	1602847	DNA-damage inducible protein 2	Ddi2	313668	2,98	down
6318979	7292657	1602845	DNA-damage inducible protein 2	Ddi2	313668	1,23	up
5727663	7292657	1602847	DNA-damage inducible protein 2	Ddi2	313668	1,23	down
6329697	7292657	1602837	DNA-damage inducible protein 2	Ddi2	313668	1,21	down
5905162	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,19	up
6178356	7292657	1602845	DNA-damage inducible protein 2	Ddi2	313668	1,15	up
5772540	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,13	down
6155442	7292657	1602842	DNA-damage inducible protein 2	Ddi2	313668	1,13	up
6085689	7292657	1602841	DNA-damage inducible protein 2	Ddi2	313668	1,11	down
5638105	7292657	1602844	DNA-damage inducible protein 2	Ddi2	313668	1,11	down
6581380	7292657	1602843	DNA-damage inducible protein 2	Ddi2	313668	1,10	up
6246820	7292657	1602846	DNA-damage inducible protein 2	Ddi2	313668	1,07	down
6611116	7292657	1602840	DNA-damage inducible protein 2	Ddi2	313668	1,07	down
5730394	7292657	1602847	DNA-damage inducible protein 2	Ddi2	313668	1,06	up
6287195	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,05	down
6379163	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,03	down
6147390	7292657	1602836	DNA-damage inducible protein 2	Ddi2	313668	1,00	down
6008189	7184231	1336146	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	2,41	down
6615142	7184231	1336143	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	2,40	down
6268304	7184231	1336146	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	1,26	up
6082627	7184231	1336145	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	1,24	up
6313161	7184231	1336143	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	1,22	down
5871337	7184231	1336144	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	1,20	up
5794021	7184231	1336143	DnaJ (Hsp40) homolog, subfamily B, member 1	Dnajb1	361384	1,06	down
6586990	7249852	1497196	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	2,50	down
5841650	7249852	1497194	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,68	up
6092642	7249852	1497181	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,55	up
6131940	7249852	1497182	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,42	up
5921546	7249852	1497181	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,35	up
6105195	7249852	1497180	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,35	down
6382347	7249852	1497192	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,29	down
6505825	7249852	1497185	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,27	up
6144002	7249852	1497196	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,25	down
5706532	7249852	1497195	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,25	down
6276883	7249852	1497188	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,23	up
5939714	7249852	1497193	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,21	down
6351597	7249852	1497191	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,21	up
6494142	7249852	1497184	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,21	up
6034449	7249852	1497187	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,18	down
5660158	7249852	1497186	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,15	down
5797658	7249852	1497188	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,14	up
6373054	7249852	1497190	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,13	down
6204714	7249852	1497181	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,10	down
6621703	7249852	1497189	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,10	up
6607611	7249852	1497192	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,07	down
5746423	7249852	1497195	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,06	up
6162143	7249852	1497183	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,06	up
6442471	7249852	1497188	DnaJ (Hsp40) homolog, subfamily C, member 2	Dnajc2	116456	1,04	up

6444754	7277742	1567208	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,41	up
5875029	7277742	1567189	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,35	down
6719443	7277742	1567206	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,28	down
6440052	7277742	1567204	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,27	down
5785319	7277742	1567202	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,24	up
6234461	7277742	1567192	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,13	down
6067712	7277742	1567206	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,12	down
6435290	7277742	1567209	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,10	up
6117124	7277742	1567203	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,10	up
6596070	7277742	1567187	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,09	up
6133949	7277742	1567193	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,08	down
5884171	7277742	1567198	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,08	up
6506048	7277742	1567206	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,08	down
6631979	7277742	1567188	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,07	down
6698860	7277742	1567205	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,05	up
6620059	7277742	1567196	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,05	up
6277659	7277742	1567210	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,05	up
6027539	7277742	1567195	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,04	up
6531369	7277742	1567207	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,04	down
6536459	7277742	1567194	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,03	down
6581975	7277742	1567160	DnaJ (Hsp40) homolog, subfamily C, member 6	Dnajc6	313409	1,01	down
6564622	7178752	1321790	docking protein 4	Dok4	361364	1,43	down
6346142	7178752	1321789	docking protein 4	Dok4	361364	1,35	down
6151894	7178752	1321791	docking protein 4	Dok4	361364	1,22	down
6248782	7178752	1321784	docking protein 4	Dok4	361364	1,14	up
5640679	7178752	1321782	docking protein 4	Dok4	361364	1,13	up
5667976	7178752	1321791	docking protein 4	Dok4	361364	1,11	down
6040207	7178752	1321784	docking protein 4	Dok4	361364	1,10	up
6205465	7178752	1321787	docking protein 4	Dok4	361364	1,09	up
6121927	7178752	1321788	docking protein 4	Dok4	361364	1,05	up
5835183	7178752	1321786	docking protein 4	Dok4	361364	1,04	up
6480366	7178752	1321782	docking protein 4	Dok4	361364	1,01	up
6195606	7178752	1321784	docking protein 4	Dok4	361364	1,00	down
6742442	7065530	1044962	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	2,06	down
5904945	7065530	1044958	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,68	down
6545454	7065530	1044960	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,40	up
5884586	7065530	1044964	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,34	up
5854667	7065530	1044959	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,15	down
5737060	7065530	1044963	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,08	down
6004535	7065530	1044961	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,05	down
6705100	7065530	1044965	dodecenoyl-Coenzyme A delta isomerase (3,2 trans-enoyl-Coenzyme A isomerase)	Dci	29740	1,01	down
5915242	7220685	1424652	DOM-3 homolog Z (C. elegans)	Dom3z	361799	2,36	up
5700757	7220685	1424658	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,99	down
6596643	7220685	1424652	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,62	up
5875013	7220685	1424655	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,37	down
6394764	7220685	1424653	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,28	up
6242459	7220685	1424654	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,23	up
6364390	7220685	1424652	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,23	up
5704058	7220685	1424656	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,21	down
6444846	7220685	1424659	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,08	down
6616947	7220685	1424657	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,04	up
5958573	7220685	1424655	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,02	up
6151510	7220685	1424655	DOM-3 homolog Z (C. elegans)	Dom3z	361799	1,02	up
5984742	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	2,88	up
6226905	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	2,69	up
6565935	7128240	1196940	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,96	up
6640068	7128240	1196940	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,47	up

6206531	7128240	1196950	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,45	down
5876227	7128240	1196939	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,43	down
5799098	7128240	1196946	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,42	up
6102979	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,41	up
5743040	7128240	1196945	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,38	down
5811849	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,29	up
5817658	7128240	1196941	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,24	down
5864191	7128240	1196948	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,23	down
5836901	7128240	1196942	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,18	down
5652390	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,17	down
6292831	7128240	1196944	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,15	down
6654008	7128240	1196938	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,14	down
6692406	7128240	1196947	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,13	up
6686864	7128240	1196943	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,05	down
6065961	7128240	1196949	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,05	up
6576396	7128240	1196937	dopa decarboxylase (aromatic L-amino acid decarboxylase)	Ddc	24311	1,00	down
5868869	7086966	1095234	dopey family member 2	Dopey2	304077	1,41	up
6645641	7086966	1095291	dopey family member 2	Dopey2	304077	1,11	up
5936608	7230886	1449564	doublecortin domain containing 5	Dcdc5	295980	2,86	down
6000916	7230886	1449550	doublecortin domain containing 5	Dcdc5	295980	2,23	down
6062544	7230886	1449555	doublecortin domain containing 5	Dcdc5	295980	1,63	down
6341157	7230886	1449553	doublecortin domain containing 5	Dcdc5	295980	1,51	down
6227419	7230886	1449566	doublecortin domain containing 5	Dcdc5	295980	1,39	up
6289661	7230886	1449560	doublecortin domain containing 5	Dcdc5	295980	1,39	up
6474880	7230886	1449567	doublecortin domain containing 5	Dcdc5	295980	1,36	up
6384190	7230886	1449568	doublecortin domain containing 5	Dcdc5	295980	1,31	down
5927867	7230886	1449565	doublecortin domain containing 5	Dcdc5	295980	1,30	up
6683853	7230886	1449559	doublecortin domain containing 5	Dcdc5	295980	1,24	up
5978512	7230886	1449552	doublecortin domain containing 5	Dcdc5	295980	1,23	up
6604939	7230886	1449562	doublecortin domain containing 5	Dcdc5	295980	1,20	down
5684035	7230886	1449561	doublecortin domain containing 5	Dcdc5	295980	1,20	down
6630498	7230886	1449532	doublecortin domain containing 5	Dcdc5	295980	1,08	up
6337443	7230886	1449560	doublecortin domain containing 5	Dcdc5	295980	1,07	down
6592448	7230886	1449548	doublecortin domain containing 5	Dcdc5	295980	1,07	down
6367549	7230886	1449548	doublecortin domain containing 5	Dcdc5	295980	1,07	down
6158990	7230886	1449568	doublecortin domain containing 5	Dcdc5	295980	1,04	down
6694322	7230886	1449554	doublecortin domain containing 5	Dcdc5	295980	1,04	up
6218698	7230886	1449561	doublecortin domain containing 5	Dcdc5	295980	1,01	up
6618447	7230886	1449556	doublecortin domain containing 5	Dcdc5	295980	1,01	up
6303437	7194202	1361298	doublecortin-like kinase 1	Dclk1	83825	4,36	up
6736405	7194202	1361295	doublecortin-like kinase 1	Dclk1	83825	2,58	up
6299017	7194202	1361308	doublecortin-like kinase 1	Dclk1	83825	1,66	up
5873889	7194202	1361296	doublecortin-like kinase 1	Dclk1	83825	1,47	up
6596800	7194202	1361307	doublecortin-like kinase 1	Dclk1	83825	1,45	down
6261852	7194202	1361306	doublecortin-like kinase 1	Dclk1	83825	1,44	down
6572695	7194202	1361301	doublecortin-like kinase 1	Dclk1	83825	1,42	down
6515615	7194202	1361310	doublecortin-like kinase 1	Dclk1	83825	1,40	down
6212388	7194202	1361305	doublecortin-like kinase 1	Dclk1	83825	1,40	down
5943948	7194202	1361302	doublecortin-like kinase 1	Dclk1	83825	1,29	down
6270264	7194202	1361304	doublecortin-like kinase 1	Dclk1	83825	1,29	down
6124103	7194202	1361309	doublecortin-like kinase 1	Dclk1	83825	1,26	down
6498992	7194202	1361299	doublecortin-like kinase 1	Dclk1	83825	1,20	down
6308950	7194202	1361300	doublecortin-like kinase 1	Dclk1	83825	1,11	up
5710005	7194202	1361303	doublecortin-like kinase 1	Dclk1	83825	1,04	up
6039067	7091695	1107203	downstream neighbor of SON	Donson	288257	2,93	down
6670977	7091695	1107197	downstream neighbor of SON	Donson	288257	2,55	down
6009497	7091695	1107202	downstream neighbor of SON	Donson	288257	1,83	down

5680970	7091695	1107201	downstream neighbor of SON	Donson	288257	1,68	up
6131844	7091695	1107199	downstream neighbor of SON	Donson	288257	1,56	up
6713513	7091695	1107193	downstream neighbor of SON	Donson	288257	1,42	down
5750345	7091695	1107201	downstream neighbor of SON	Donson	288257	1,27	up
6201046	7091695	1107196	downstream neighbor of SON	Donson	288257	1,21	up
5913626	7091695	1107194	downstream neighbor of SON	Donson	288257	1,21	down
5804398	7091695	1107195	downstream neighbor of SON	Donson	288257	1,18	up
6448769	7091695	1107198	downstream neighbor of SON	Donson	288257	1,18	up
5975520	7091695	1107195	downstream neighbor of SON	Donson	288257	1,08	down
6009807	7091695	1107200	downstream neighbor of SON	Donson	288257	1,05	up
6507962	7091695	1107197	downstream neighbor of SON	Donson	288257	1,04	down
6431307	7148904	1248288	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	2,08	down
6683106	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,42	up
6146146	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,38	down
6578079	7148904	1248291	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,29	down
6461393	7148904	1248293	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,21	up
6430962	7148904	1248294	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,19	up
6075582	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,14	up
6344651	7148904	1248290	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,13	down
6320555	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,11	down
6239631	7148904	1248289	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,05	up
6525025	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,05	down
6336368	7148904	1248294	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,03	up
6471348	7148904	1248292	DPH3, KTI11 homolog (S. cerevisiae)	Dph3	680594	1,02	down
5886360	7343250	1728033	dpy-19-like 1 (C. elegans)	Dpy1911	315496	1,11	up
5841340	7232197	1453222	DTW domain containing 1	Dtwd1	296119	2,37	up
6014346	7232197	1453225	DTW domain containing 1	Dtwd1	296119	1,70	down
6567506	7232197	1453224	DTW domain containing 1	Dtwd1	296119	1,36	up
6488483	7232197	1453226	DTW domain containing 1	Dtwd1	296119	1,27	up
6000302	7232197	1453222	DTW domain containing 1	Dtwd1	296119	1,26	up
5910729	7232197	1453224	DTW domain containing 1	Dtwd1	296119	1,21	up
6403170	7232197	1453223	DTW domain containing 1	Dtwd1	296119	1,17	down
6449746	7232197	1453222	DTW domain containing 1	Dtwd1	296119	1,10	down
6616896	7270397	1548128	dual specificity phosphatase 16	Dusp16	297682	2,09	up
6009947	7270397	1548129	dual specificity phosphatase 16	Dusp16	297682	1,37	up
6261493	7270397	1548126	dual specificity phosphatase 16	Dusp16	297682	1,35	up
6590078	7270397	1548136	dual specificity phosphatase 16	Dusp16	297682	1,33	up
5648471	7270397	1548132	dual specificity phosphatase 16	Dusp16	297682	1,29	up
5740871	7270397	1548124	dual specificity phosphatase 16	Dusp16	297682	1,29	down
6266454	7270397	1548126	dual specificity phosphatase 16	Dusp16	297682	1,15	up
6335314	7270397	1548126	dual specificity phosphatase 16	Dusp16	297682	1,11	down
5778207	7270397	1548125	dual specificity phosphatase 16	Dusp16	297682	1,09	down
5723281	7270397	1548137	dual specificity phosphatase 16	Dusp16	297682	1,04	down
6725725	7152381	1256261	dual specificity phosphatase 26 (putative)	Dusp26	306527	2,21	down
6686915	7152381	1256260	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,97	up
6562819	7152381	1256257	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,88	up
5683364	7152381	1256261	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,44	down
6633322	7152381	1256259	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,12	up
6020713	7152381	1256257	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,10	down
6115140	7152381	1256258	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,07	up
6159700	7152381	1256257	dual specificity phosphatase 26 (putative)	Dusp26	306527	1,04	up
6093647	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	2,69	up
6294227	7378524	1817525	dual specificity phosphatase 9	Dusp9	293847	1,88	down
6514457	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,52	up
6135899	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,40	down
6030005	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,40	down
6044539	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,35	up

6271944	7378524	1817521	dual specificity phosphatase 9	Dusp9	293847	1,16	down
5870078	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	1,13	up
6129342	7378524	1817525	dual specificity phosphatase 9	Dusp9	293847	1,12	down
6112564	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	1,10	down
6103145	7378524	1817523	dual specificity phosphatase 9	Dusp9	293847	1,06	down
5973626	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,06	up
6025075	7378524	1817522	dual specificity phosphatase 9	Dusp9	293847	1,02	up
6388531	7378524	1817524	dual specificity phosphatase 9	Dusp9	293847	1,02	up
5984108	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	2,16	up
5687963	7030127	960862	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,96	down
6593116	7030127	960867	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,80	down
6375438	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,62	up
5978373	7030127	960859	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,56	down
6555848	7030127	960860	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,55	down
6688185	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,54	up
5666604	7030127	960864	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,53	down
5695977	7030127	960858	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,43	up
5682533	7030127	960861	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,42	down
5698747	7030127	960856	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,39	up
5964627	7030127	960868	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,39	up
6714713	7030127	960864	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,38	down
6186940	7030127	960865	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 1b	Dyrk1b	308468	1,28	down
5705103	7110959	1154682	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	Dyrk3	304775	2,26	up
5892540	7110959	1154683	dual-specificity tyrosine-(Y)-phosphorylation regulated kinase 3	Dyrk3	304775	1,04	up
5832832	7237624	1467197	dynamin 1	Dnm1	140694	2,19	up
6576409	7237624	1467201	dynamin 1	Dnm1	140694	1,70	down
6573999	7237624	1467203	dynamin 1	Dnm1	140694	1,54	down
5663636	7237624	1467199	dynamin 1	Dnm1	140694	1,44	down
6074777	7237624	1467200	dynamin 1	Dnm1	140694	1,43	down
6683224	7237624	1467192	dynamin 1	Dnm1	140694	1,43	up
6581845	7237624	1467189	dynamin 1	Dnm1	140694	1,37	up
6060168	7237624	1467205	dynamin 1	Dnm1	140694	1,23	down
5682696	7237624	1467202	dynamin 1	Dnm1	140694	1,22	up
5799783	7237624	1467196	dynamin 1	Dnm1	140694	1,22	down
5712949	7237624	1467194	dynamin 1	Dnm1	140694	1,18	up
5967542	7237624	1467187	dynamin 1	Dnm1	140694	1,16	down
5913411	7237624	1467189	dynamin 1	Dnm1	140694	1,16	up
6188625	7237624	1467195	dynamin 1	Dnm1	140694	1,14	up
6614947	7237624	1467191	dynamin 1	Dnm1	140694	1,11	up
5731799	7237624	1467188	dynamin 1	Dnm1	140694	1,10	down
6517671	7237624	1467188	dynamin 1	Dnm1	140694	1,09	up
5912055	7237624	1467206	dynamin 1	Dnm1	140694	1,05	down
6100656	7237624	1467204	dynamin 1	Dnm1	140694	1,05	up
5712111	7237624	1467190	dynamin 1	Dnm1	140694	1,04	down
5951251	7237624	1467198	dynamin 1	Dnm1	140694	1,03	down
6596632	7237624	1467193	dynamin 1	Dnm1	140694	1,01	down
6061791	7113169	1160175	dynamin 3	Dnm3	171574	2,05	down
6383892	7113169	1160181	dynamin 3	Dnm3	171574	1,67	up
6302037	7113169	1160192	dynamin 3	Dnm3	171574	1,66	up
5771489	7113169	1160174	dynamin 3	Dnm3	171574	1,45	down
5650954	7113169	1160179	dynamin 3	Dnm3	171574	1,32	down
5799664	7113169	1160174	dynamin 3	Dnm3	171574	1,29	down
5644448	7113169	1160193	dynamin 3	Dnm3	171574	1,27	down
5684071	7113169	1160193	dynamin 3	Dnm3	171574	1,20	down
6647235	7113169	1160172	dynamin 3	Dnm3	171574	1,18	down
5763214	7113169	1160177	dynamin 3	Dnm3	171574	1,14	up
6662428	7113169	1160173	dynamin 3	Dnm3	171574	1,14	down

6004997	7113169	1160186	dynamamin 3	Dnm3	171574	1,14	down
6687289	7113169	1160191	dynamamin 3	Dnm3	171574	1,12	up
6641411	7113169	1160187	dynamamin 3	Dnm3	171574	1,09	up
6531655	7113169	1160182	dynamamin 3	Dnm3	171574	1,07	down
6055872	7113169	1160185	dynamamin 3	Dnm3	171574	1,07	down
6049928	7113169	1160178	dynamamin 3	Dnm3	171574	1,05	down
6678541	7113169	1160183	dynamamin 3	Dnm3	171574	1,05	up
5697034	7113169	1160174	dynamamin 3	Dnm3	171574	1,04	down
5771944	7113169	1160188	dynamamin 3	Dnm3	171574	1,03	down
6589493	7113169	1160175	dynamamin 3	Dnm3	171574	1,02	down
6620487	7113169	1160189	dynamamin 3	Dnm3	171574	1,01	down
6040655	7113169	1160172	dynamamin 3	Dnm3	171574	1,00	up
6694062	7113169	1160176	dynamamin 3	Dnm3	171574	1,00	down
6470809	7113169	1160190	dynamamin 3	Dnm3	171574	1,00	down
5659312	7113169	1160184	dynamamin 3	Dnm3	171574	1,00	up
5968420	7113169	1160175	dynamamin 3	Dnm3	171574	1,00	up
6513105	7113169	1160180	dynamamin 3	Dnm3	171574	1,00	up
5820112	7341958	1724925	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	2,12	down
6068207	7341958	1724935	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	2,00	down
5948194	7341958	1724898	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,97	up
6292574	7341958	1724856	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,96	down
5702530	7341958	1724890	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,95	up
5885933	7341958	1724899	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,85	up
6102425	7341958	1724929	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,73	down
6217980	7341958	1724859	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,73	up
6044447	7341958	1724886	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,70	down
5967571	7341958	1724877	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,67	up
5829549	7341958	1724888	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,63	down
6681831	7341958	1724873	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,61	down
6555997	7341958	1724921	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,57	down
6567683	7341958	1724876	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,54	down
6663920	7341958	1724916	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,54	down
6592290	7341958	1724857	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,54	up
6036434	7341958	1724915	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,53	up
6201376	7341958	1724928	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,50	up
6676940	7341958	1724858	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,48	up
6344873	7341958	1724879	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,45	up
6586561	7341958	1724875	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,44	down
6590108	7341958	1724892	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,42	up
5837033	7341958	1724865	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,41	down
6205844	7341958	1724907	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,41	down
6242694	7341958	1724914	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,39	up
6026216	7341958	1724925	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,37	up
6378332	7341958	1724861	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,36	up
5916736	7341958	1724936	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,35	down
5793480	7341958	1724867	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,34	down
6490655	7341958	1724895	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,32	down
6544678	7341958	1724924	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,32	down
6479007	7341958	1724903	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,31	down
6242208	7341958	1724912	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,31	up
5908892	7341958	1724922	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,30	down
5844254	7341958	1724909	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,29	down
6453372	7341958	1724887	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,26	up
6189846	7341958	1724913	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,26	up
6158507	7341958	1724941	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,25	down
6436544	7341958	1724882	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,24	up
6523632	7341958	1724860	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,24	down

6029328	7341958	1724902	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,23	up
6214464	7341958	1724940	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,22	up
5829016	7341958	1724940	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,22	down
6584192	7341958	1724911	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,22	down
5717826	7341958	1724893	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,21	up
5807938	7341958	1724880	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,20	down
6284786	7341958	1724885	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,19	up
6521692	7341958	1724914	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,19	up
6127044	7341958	1724872	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,19	up
6297447	7341958	1724900	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,18	down
5729938	7341958	1724874	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,17	down
5930211	7341958	1724917	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
6320297	7341958	1724864	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,16	down
5715951	7341958	1724906	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,15	up
6011086	7341958	1724902	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,15	up
6097613	7341958	1724881	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,14	up
6215898	7341958	1724930	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,14	up
6697093	7341958	1724939	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,14	down
5963828	7341958	1724934	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	down
5758738	7341958	1724891	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	down
6582933	7341958	1724889	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,13	up
6234683	7341958	1724870	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	up
6561947	7341958	1724926	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,11	up
5684360	7341958	1724932	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	up
6282966	7341958	1724901	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	up
6552315	7341958	1724931	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	up
5942091	7341958	1724920	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,10	up
5692975	7341958	1724927	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,09	down
5871278	7341958	1724868	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,09	down
5872673	7341958	1724863	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,09	up
6479342	7341958	1724896	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,08	down
6408902	7341958	1724937	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,07	down
5658856	7341958	1724864	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,07	down
6488952	7341958	1724884	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	down
5776526	7341958	1724883	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	up
5842887	7341958	1724905	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	up
5972479	7341958	1724933	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,06	up
6202864	7341958	1724910	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,05	up
6280455	7341958	1724894	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,05	up
6483710	7341958	1724938	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,05	up
5668465	7341958	1724878	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,05	down
6375019	7341958	1724895	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,03	down
5651291	7341958	1724910	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,03	up
5849339	7341958	1724908	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
6080348	7341958	1724866	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
6068251	7341958	1724904	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
6686448	7341958	1724919	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
6636401	7341958	1724897	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	down
6727599	7341958	1724906	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,02	up
5658038	7341958	1724871	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,01	up
6110443	7341958	1724862	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,01	down
6003291	7341958	1724918	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,01	up
5871606	7341958	1724923	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,00	up
6732672	7341958	1724941	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,00	down
6689413	7341958	1724869	dynein cytoplasmic 2 heavy chain 1	Dync2h1	65209	1,00	down
6445768	7084792	1090327	dynein, axonemal, heavy chain 17	Dnah17	287845	2,25	up
5641763	7084792	1090355	dynein, axonemal, heavy chain 17	Dnah17	287845	1,89	down

6031419	7084792	1090343	dynein, axonemal, heavy chain 17	Dnah17	287845	1,73	down
6167620	7084792	1090342	dynein, axonemal, heavy chain 17	Dnah17	287845	1,60	down
6370621	7084792	1090358	dynein, axonemal, heavy chain 17	Dnah17	287845	1,55	down
5755748	7084792	1090330	dynein, axonemal, heavy chain 17	Dnah17	287845	1,52	down
5737709	7084792	1090350	dynein, axonemal, heavy chain 17	Dnah17	287845	1,42	down
6517275	7084792	1090360	dynein, axonemal, heavy chain 17	Dnah17	287845	1,42	down
6596019	7084792	1090336	dynein, axonemal, heavy chain 17	Dnah17	287845	1,39	down
5939635	7084792	1090325	dynein, axonemal, heavy chain 17	Dnah17	287845	1,38	up
6458626	7084792	1090359	dynein, axonemal, heavy chain 17	Dnah17	287845	1,31	down
6194173	7084792	1090352	dynein, axonemal, heavy chain 17	Dnah17	287845	1,27	up
5660132	7084792	1090348	dynein, axonemal, heavy chain 17	Dnah17	287845	1,23	up
5721626	7084792	1090320	dynein, axonemal, heavy chain 17	Dnah17	287845	1,21	down
5995495	7084792	1090332	dynein, axonemal, heavy chain 17	Dnah17	287845	1,20	down
6274912	7084792	1090353	dynein, axonemal, heavy chain 17	Dnah17	287845	1,19	down
5961880	7084792	1090324	dynein, axonemal, heavy chain 17	Dnah17	287845	1,18	down
6364087	7084792	1090346	dynein, axonemal, heavy chain 17	Dnah17	287845	1,17	down
6253641	7084792	1090326	dynein, axonemal, heavy chain 17	Dnah17	287845	1,17	up
5707272	7084792	1090323	dynein, axonemal, heavy chain 17	Dnah17	287845	1,14	up
5986280	7084792	1090320	dynein, axonemal, heavy chain 17	Dnah17	287845	1,14	down
5858124	7084792	1090349	dynein, axonemal, heavy chain 17	Dnah17	287845	1,13	up
5788559	7084792	1090331	dynein, axonemal, heavy chain 17	Dnah17	287845	1,12	down
6404467	7084792	1090356	dynein, axonemal, heavy chain 17	Dnah17	287845	1,12	up
6368355	7084792	1090338	dynein, axonemal, heavy chain 17	Dnah17	287845	1,11	up
6705708	7084792	1090357	dynein, axonemal, heavy chain 17	Dnah17	287845	1,10	down
6303238	7084792	1090354	dynein, axonemal, heavy chain 17	Dnah17	287845	1,07	down
6667804	7084792	1090344	dynein, axonemal, heavy chain 17	Dnah17	287845	1,07	up
6371978	7084792	1090337	dynein, axonemal, heavy chain 17	Dnah17	287845	1,07	up
6668823	7084792	1090347	dynein, axonemal, heavy chain 17	Dnah17	287845	1,06	up
6434953	7084792	1090345	dynein, axonemal, heavy chain 17	Dnah17	287845	1,05	down
5848419	7084792	1090328	dynein, axonemal, heavy chain 17	Dnah17	287845	1,05	up
6743469	7084792	1090321	dynein, axonemal, heavy chain 17	Dnah17	287845	1,05	up
6498235	7084792	1090333	dynein, axonemal, heavy chain 17	Dnah17	287845	1,05	up
6358718	7084792	1090335	dynein, axonemal, heavy chain 17	Dnah17	287845	1,04	down
6020605	7084792	1090334	dynein, axonemal, heavy chain 17	Dnah17	287845	1,03	down
5691082	7084792	1090322	dynein, axonemal, heavy chain 17	Dnah17	287845	1,02	down
6368525	7217434	1416395	dynein, axonemal, heavy chain 8	Dnah8	207117	1,83	up
5731552	7217434	1416391	dynein, axonemal, heavy chain 8	Dnah8	207117	1,36	up
5654807	7217434	1416396	dynein, axonemal, heavy chain 8	Dnah8	207117	1,19	down
6640523	7217434	1416394	dynein, axonemal, heavy chain 8	Dnah8	207117	1,11	down
6400165	7073553	1064694	dynein, axonemal, intermediate chain 2	Dnai2	360654	2,42	up
5693842	7073553	1064683	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,58	up
5977252	7073553	1064692	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,55	down
5623352	7073553	1064694	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,28	up
6383276	7073553	1064690	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,21	down
6288136	7073553	1064686	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,15	up
5742169	7073553	1064691	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,13	up
6454034	7073553	1064685	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,12	down
5838635	7073553	1064693	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,07	down
6602864	7073553	1064694	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,05	down
6019455	7073553	1064687	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,04	down
6476899	7073553	1064689	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,04	up
6579031	7073553	1064684	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,02	down
6438916	7073553	1064682	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,02	down
6210202	7073553	1064688	dynein, axonemal, intermediate chain 2	Dnai2	360654	1,00	up
5850192	7329850	1695016	dynein, axonemal, light chain 4	Dnal4	300078	2,05	up
5941396	7329850	1695013	dynein, axonemal, light chain 4	Dnal4	300078	1,71	up
6693083	7329850	1695014	dynein, axonemal, light chain 4	Dnal4	300078	1,68	down

6653806	7329850	1695014	dynein, axonemal, light chain 4	Dnal4	300078	1,65	down
6459587	7329850	1695013	dynein, axonemal, light chain 4	Dnal4	300078	1,22	up
6354349	7329850	1695016	dynein, axonemal, light chain 4	Dnal4	300078	1,22	up
6212354	7329850	1695015	dynein, axonemal, light chain 4	Dnal4	300078	1,04	up
6152009	7255522	1511388	dysferlin	Dysf	312492	2,85	down
6290846	7255522	1511425	dysferlin	Dysf	312492	1,88	up
6592216	7255522	1511408	dysferlin	Dysf	312492	1,86	up
6287836	7255522	1511391	dysferlin	Dysf	312492	1,84	up
6489486	7255522	1511426	dysferlin	Dysf	312492	1,81	up
6123826	7255522	1511432	dysferlin	Dysf	312492	1,67	down
5699977	7255522	1511445	dysferlin	Dysf	312492	1,61	down
6400474	7255522	1511395	dysferlin	Dysf	312492	1,56	down
6078115	7255522	1511396	dysferlin	Dysf	312492	1,51	down
6461904	7255522	1511442	dysferlin	Dysf	312492	1,48	up
6505561	7255522	1511444	dysferlin	Dysf	312492	1,44	down
5793017	7255522	1511406	dysferlin	Dysf	312492	1,40	up
6392024	7255522	1511446	dysferlin	Dysf	312492	1,40	up
5800533	7255522	1511392	dysferlin	Dysf	312492	1,35	down
6587369	7255522	1511407	dysferlin	Dysf	312492	1,35	up
6062672	7255522	1511424	dysferlin	Dysf	312492	1,33	down
6427600	7255522	1511416	dysferlin	Dysf	312492	1,33	up
5651052	7255522	1511412	dysferlin	Dysf	312492	1,29	up
5653569	7255522	1511400	dysferlin	Dysf	312492	1,29	up
5907081	7255522	1511398	dysferlin	Dysf	312492	1,27	down
6534952	7255522	1511429	dysferlin	Dysf	312492	1,26	down
6646999	7255522	1511440	dysferlin	Dysf	312492	1,26	up
5658181	7255522	1511438	dysferlin	Dysf	312492	1,25	up
6679059	7255522	1511415	dysferlin	Dysf	312492	1,25	down
5752676	7255522	1511437	dysferlin	Dysf	312492	1,23	up
5741670	7255522	1511397	dysferlin	Dysf	312492	1,19	down
5925271	7255522	1511443	dysferlin	Dysf	312492	1,19	down
6111279	7255522	1511448	dysferlin	Dysf	312492	1,19	down
5761045	7255522	1511435	dysferlin	Dysf	312492	1,17	down
5820197	7255522	1511405	dysferlin	Dysf	312492	1,17	up
5620888	7255522	1511399	dysferlin	Dysf	312492	1,16	up
6402524	7255522	1511447	dysferlin	Dysf	312492	1,15	down
6489524	7255522	1511390	dysferlin	Dysf	312492	1,14	down
5928579	7255522	1511434	dysferlin	Dysf	312492	1,13	up
6311673	7255522	1511417	dysferlin	Dysf	312492	1,10	up
6206117	7255522	1511422	dysferlin	Dysf	312492	1,10	up
6715770	7255522	1511393	dysferlin	Dysf	312492	1,08	up
6340637	7255522	1511418	dysferlin	Dysf	312492	1,07	up
5895526	7255522	1511430	dysferlin	Dysf	312492	1,06	up
6172479	7255522	1511421	dysferlin	Dysf	312492	1,05	up
5739264	7255522	1511431	dysferlin	Dysf	312492	1,05	down
6237336	7255522	1511402	dysferlin	Dysf	312492	1,04	up
6184841	7255522	1511436	dysferlin	Dysf	312492	1,04	up
5883687	7255522	1511394	dysferlin	Dysf	312492	1,04	down
5863570	7255522	1511439	dysferlin	Dysf	312492	1,04	up
5765792	7255522	1511441	dysferlin	Dysf	312492	1,03	up
6370749	7255522	1511404	dysferlin	Dysf	312492	1,02	up
6387919	7255522	1511414	dysferlin	Dysf	312492	1,02	down
6258031	7255522	1511447	dysferlin	Dysf	312492	1,01	up
6065374	7255522	1511427	dysferlin	Dysf	312492	1,01	up
6414617	7255522	1511413	dysferlin	Dysf	312492	1,00	up
6328219	7353232	1752843	dystonin	Dst	316313	1,61	down
6016277	7353232	1752779	dystonin	Dst	316313	1,58	down

5733155	7353232	1752815	dystonin	Dst	316313	1,50	up
6284444	7353232	1752837	dystonin	Dst	316313	1,50	down
5623760	7353232	1752780	dystonin	Dst	316313	1,46	down
6106774	7353232	1752826	dystonin	Dst	316313	1,45	up
5939594	7353232	1752817	dystonin	Dst	316313	1,44	up
6432847	7353232	1752852	dystonin	Dst	316313	1,39	up
6729863	7353232	1752829	dystonin	Dst	316313	1,38	up
6608736	7353232	1752836	dystonin	Dst	316313	1,37	down
6647594	7353232	1752823	dystonin	Dst	316313	1,36	up
5991627	7353232	1752763	dystonin	Dst	316313	1,35	up
5639586	7353232	1752760	dystonin	Dst	316313	1,35	up
5744935	7353232	1752766	dystonin	Dst	316313	1,34	up
5799708	7353232	1752762	dystonin	Dst	316313	1,34	up
6712545	7353232	1752746	dystonin	Dst	316313	1,34	down
6699701	7353232	1752788	dystonin	Dst	316313	1,32	up
5919214	7353232	1752806	dystonin	Dst	316313	1,32	down
6671481	7353232	1752758	dystonin	Dst	316313	1,32	up
6164794	7353232	1752776	dystonin	Dst	316313	1,31	down
6722839	7353232	1752789	dystonin	Dst	316313	1,30	down
5867651	7353232	1752724	dystonin	Dst	316313	1,30	up
6140684	7353232	1752798	dystonin	Dst	316313	1,30	down
5633447	7353232	1752754	dystonin	Dst	316313	1,29	down
6635700	7353232	1752752	dystonin	Dst	316313	1,28	down
6734072	7353232	1752843	dystonin	Dst	316313	1,28	down
6350185	7353232	1752755	dystonin	Dst	316313	1,27	down
5924951	7353232	1752783	dystonin	Dst	316313	1,26	up
6267156	7353232	1752757	dystonin	Dst	316313	1,26	down
5977398	7353232	1752792	dystonin	Dst	316313	1,25	down
6083218	7353232	1752753	dystonin	Dst	316313	1,25	down
5701556	7353232	1752809	dystonin	Dst	316313	1,22	up
5860306	7353232	1752729	dystonin	Dst	316313	1,21	up
6203320	7353232	1752818	dystonin	Dst	316313	1,19	up
6643164	7353232	1752822	dystonin	Dst	316313	1,19	up
6369935	7353232	1752774	dystonin	Dst	316313	1,19	down
5823921	7353232	1752794	dystonin	Dst	316313	1,19	down
5647083	7353232	1752830	dystonin	Dst	316313	1,18	up
5697415	7353232	1752812	dystonin	Dst	316313	1,18	up
6261323	7353232	1752838	dystonin	Dst	316313	1,17	up
6251061	7353232	1752751	dystonin	Dst	316313	1,17	down
6378606	7353232	1752825	dystonin	Dst	316313	1,17	down
5991775	7353232	1752820	dystonin	Dst	316313	1,16	down
6342768	7353232	1752768	dystonin	Dst	316313	1,16	down
5976087	7353232	1752814	dystonin	Dst	316313	1,15	up
5723587	7353232	1752749	dystonin	Dst	316313	1,15	up
5907297	7353232	1752735	dystonin	Dst	316313	1,15	up
5710131	7353232	1752777	dystonin	Dst	316313	1,14	down
5863120	7353232	1752860	dystonin	Dst	316313	1,14	down
6047970	7353232	1752819	dystonin	Dst	316313	1,14	up
6137769	7353232	1752775	dystonin	Dst	316313	1,14	down
5889075	7353232	1752847	dystonin	Dst	316313	1,13	down
5692647	7353232	1752790	dystonin	Dst	316313	1,13	down
6133995	7353232	1752781	dystonin	Dst	316313	1,13	up
6167970	7353232	1752861	dystonin	Dst	316313	1,12	down
6034802	7353232	1752759	dystonin	Dst	316313	1,12	down
6061207	7353232	1752767	dystonin	Dst	316313	1,12	down
6130371	7353232	1752832	dystonin	Dst	316313	1,12	up
6571279	7353232	1752841	dystonin	Dst	316313	1,11	down

6271243	7353232	1752765	dystonin	Dst	316313	1,11	down
6738895	7353232	1752799	dystonin	Dst	316313	1,11	down
6604942	7353232	1752777	dystonin	Dst	316313	1,11	up
6053505	7353232	1752761	dystonin	Dst	316313	1,10	down
6720344	7353232	1752821	dystonin	Dst	316313	1,10	down
6629806	7353232	1752778	dystonin	Dst	316313	1,09	up
6268516	7353232	1752750	dystonin	Dst	316313	1,08	down
6701854	7353232	1752769	dystonin	Dst	316313	1,08	up
5969248	7353232	1752840	dystonin	Dst	316313	1,08	down
6145915	7353232	1752861	dystonin	Dst	316313	1,08	down
5844381	7353232	1752764	dystonin	Dst	316313	1,08	down
6686442	7353232	1752799	dystonin	Dst	316313	1,08	up
6367552	7353232	1752742	dystonin	Dst	316313	1,08	up
6154769	7353232	1752777	dystonin	Dst	316313	1,07	up
6131589	7353232	1752782	dystonin	Dst	316313	1,07	down
6718037	7353232	1752860	dystonin	Dst	316313	1,06	up
5996351	7353232	1752846	dystonin	Dst	316313	1,06	up
6206388	7353232	1752797	dystonin	Dst	316313	1,06	down
6409808	7353232	1752746	dystonin	Dst	316313	1,05	up
5906793	7353232	1752860	dystonin	Dst	316313	1,05	down
5925076	7353232	1752777	dystonin	Dst	316313	1,05	up
6262933	7353232	1752791	dystonin	Dst	316313	1,05	down
5854006	7353232	1752854	dystonin	Dst	316313	1,05	up
5999156	7353232	1752807	dystonin	Dst	316313	1,05	down
6109679	7353232	1752777	dystonin	Dst	316313	1,05	up
6137014	7353232	1752745	dystonin	Dst	316313	1,05	down
5694194	7353232	1752732	dystonin	Dst	316313	1,04	down
6226030	7353232	1752831	dystonin	Dst	316313	1,04	up
6475497	7353232	1752777	dystonin	Dst	316313	1,04	up
5913255	7353232	1752796	dystonin	Dst	316313	1,04	up
6199887	7353232	1752844	dystonin	Dst	316313	1,04	down
6566661	7353232	1752850	dystonin	Dst	316313	1,03	up
5701211	7353232	1752835	dystonin	Dst	316313	1,03	up
6248462	7353232	1752731	dystonin	Dst	316313	1,03	down
6413100	7353232	1752859	dystonin	Dst	316313	1,03	up
6538101	7353232	1752811	dystonin	Dst	316313	1,03	down
6427678	7353232	1752813	dystonin	Dst	316313	1,03	up
6518311	7353232	1752834	dystonin	Dst	316313	1,03	up
6659502	7353232	1752751	dystonin	Dst	316313	1,03	down
6367150	7353232	1752861	dystonin	Dst	316313	1,03	down
6142312	7353232	1752793	dystonin	Dst	316313	1,03	down
6057818	7353232	1752795	dystonin	Dst	316313	1,02	up
6453491	7353232	1752810	dystonin	Dst	316313	1,02	down
6252041	7353232	1752804	dystonin	Dst	316313	1,01	down
5828485	7353232	1752805	dystonin	Dst	316313	1,01	down
6571513	7353232	1752710	dystonin	Dst	316313	1,01	down
6156654	7353232	1752816	dystonin	Dst	316313	1,01	up
6434606	7353232	1752790	dystonin	Dst	316313	1,01	up
6147335	7353232	1752785	dystonin	Dst	316313	1,01	down
5762511	7353232	1752756	dystonin	Dst	316313	1,01	up
6292259	7353232	1752743	dystonin	Dst	316313	1,01	down
5797821	7353232	1752784	dystonin	Dst	316313	1,01	down
5898618	7353232	1752786	dystonin	Dst	316313	1,00	down
6576056	7168439	1295700	dystrobrevin alpha	Dtna	307548	1,73	up
6092971	7168439	1295661	dystrobrevin alpha	Dtna	307548	1,67	up
6462416	7168439	1295703	dystrobrevin alpha	Dtna	307548	1,62	down
5712622	7168439	1295706	dystrobrevin alpha	Dtna	307548	1,26	down

5999922	7168439	1295703	dystrobrevin alpha	Dtna	307548	1,20	down
5979451	7168439	1295655	dystrobrevin alpha	Dtna	307548	1,12	up
5884419	7168439	1295663	dystrobrevin alpha	Dtna	307548	1,10	down
6140866	7168439	1295712	dystrobrevin alpha	Dtna	307548	1,08	up
5946053	7168439	1295705	dystrobrevin alpha	Dtna	307548	1,03	up
6416562	7168439	1295712	dystrobrevin alpha	Dtna	307548	1,03	down
5856484	7168439	1295701	dystrobrevin alpha	Dtna	307548	1,02	down
5866932	7168439	1295705	dystrobrevin alpha	Dtna	307548	1,01	down
6243832	7319094	1670029	E1A binding protein p300	Ep300	170915	2,64	down
6132470	7319094	1670026	E1A binding protein p300	Ep300	170915	1,20	up
5645190	7319094	1670027	E1A binding protein p300	Ep300	170915	1,10	down
6473474	7319094	1670028	E1A binding protein p300	Ep300	170915	1,07	down
6570637	7319094	1670028	E1A binding protein p300	Ep300	170915	1,06	up
5839054	7111427	1155773	E74-like factor 3	Elf3	304815	3,74	down
6681541	7111427	1155771	E74-like factor 3	Elf3	304815	2,40	up
6032151	7111427	1155766	E74-like factor 3	Elf3	304815	1,40	up
6617361	7111427	1155768	E74-like factor 3	Elf3	304815	1,35	up
6574964	7111427	1155771	E74-like factor 3	Elf3	304815	1,29	down
5972504	7111427	1155770	E74-like factor 3	Elf3	304815	1,18	up
5777413	7111427	1155765	E74-like factor 3	Elf3	304815	1,17	up
5733335	7111427	1155772	E74-like factor 3	Elf3	304815	1,17	up
5854651	7111427	1155769	E74-like factor 3	Elf3	304815	1,14	down
6258373	7111427	1155767	E74-like factor 3	Elf3	304815	1,07	up
6387960	7111427	1155764	E74-like factor 3	Elf3	304815	1,01	up
6412982	7058339	1027845	early B-cell factor 3	Ebf3	361668	2,27	down
5905292	7058339	1027849	early B-cell factor 3	Ebf3	361668	1,71	up
6540255	7058339	1027850	early B-cell factor 3	Ebf3	361668	1,58	up
6572742	7058339	1027844	early B-cell factor 3	Ebf3	361668	1,36	down
6733519	7058339	1027847	early B-cell factor 3	Ebf3	361668	1,29	up
6045070	7058339	1027844	early B-cell factor 3	Ebf3	361668	1,22	down
5827349	7058339	1027848	early B-cell factor 3	Ebf3	361668	1,11	down
5930996	7169197	1297701	early growth response 1	Egr1	24330	2,08	up
6187476	7169197	1297704	early growth response 1	Egr1	24330	1,41	up
5773526	7169197	1297703	early growth response 1	Egr1	24330	1,39	down
6589348	7169197	1297702	early growth response 1	Egr1	24330	1,39	up
6118173	7169197	1297701	early growth response 1	Egr1	24330	1,34	down
6370899	7169197	1297702	early growth response 1	Egr1	24330	1,16	down
5715627	7169197	1297701	early growth response 1	Egr1	24330	1,14	up
6178144	7169197	1297702	early growth response 1	Egr1	24330	1,12	down
5639290	7169197	1297702	early growth response 1	Egr1	24330	1,11	down
6188970	7169197	1297703	early growth response 1	Egr1	24330	1,10	down
6728822	7169197	1297702	early growth response 1	Egr1	24330	1,07	down
6649162	7169197	1297701	early growth response 1	Egr1	24330	1,06	up
6168555	7169197	1297702	early growth response 1	Egr1	24330	1,06	up
5788032	7169197	1297701	early growth response 1	Egr1	24330	1,05	up
5968922	7266726	1538794	early growth response 4	Egr4	25129	2,02	up
6641372	7266726	1538795	early growth response 4	Egr4	25129	1,40	down
5827598	7266726	1538795	early growth response 4	Egr4	25129	1,32	down
6215145	7266726	1538796	early growth response 4	Egr4	25129	1,10	down
6687609	7266726	1538796	early growth response 4	Egr4	25129	1,00	up
6221045	7343093	1727661	ECSIT homolog (Drosophila)	Ecsit	300447	2,01	up
5734443	7343093	1727661	ECSIT homolog (Drosophila)	Ecsit	300447	1,64	down
5774683	7343093	1727660	ECSIT homolog (Drosophila)	Ecsit	300447	1,23	up
5816869	7343093	1727659	ECSIT homolog (Drosophila)	Ecsit	300447	1,21	down
6032032	7343093	1727665	ECSIT homolog (Drosophila)	Ecsit	300447	1,18	up
6229212	7343093	1727663	ECSIT homolog (Drosophila)	Ecsit	300447	1,16	down
6644314	7343093	1727658	ECSIT homolog (Drosophila)	Ecsit	300447	1,12	up

6665576	7343093	1727659	ECSIT homolog (Drosophila)	Ecsit	300447	1,09	down
5718078	7343093	1727662	ECSIT homolog (Drosophila)	Ecsit	300447	1,04	up
6236486	7343093	1727664	ECSIT homolog (Drosophila)	Ecsit	300447	1,03	up
6019014	7375937	1811368	ectodysplasin-A	Eda	302424	1,35	down
6467070	7225246	1435183	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	2,50	down
6369644	7225246	1435181	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	2,50	down
5730072	7225246	1435176	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,86	up
5753858	7225246	1435178	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,84	up
6537600	7225246	1435183	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,80	down
5904861	7225246	1435179	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,58	up
6550914	7225246	1435183	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,54	down
6431854	7225246	1435181	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,22	down
6294648	7225246	1435177	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,20	up
5918830	7225246	1435174	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,09	up
6255654	7225246	1435182	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,05	down
6130761	7225246	1435175	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,03	up
6553156	7225246	1435180	ectonucleoside triphosphate diphosphohydrolase 2	Entpd2	64467	1,01	up
6487913	7233787	1457894	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	2,12	down
5910817	7233787	1457899	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,67	down
5632611	7233787	1457903	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,48	up
5839847	7233787	1457898	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,48	up
5990096	7233787	1457895	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,46	up
5957983	7233787	1457897	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,27	down
6203652	7233787	1457905	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,18	down
6272538	7233787	1457900	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,17	up
6362810	7233787	1457904	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,17	up
6602951	7233787	1457907	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,15	down
6066281	7233787	1457895	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,15	up
6495268	7233787	1457901	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,11	up
5698781	7233787	1457901	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,10	up
6152428	7233787	1457896	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,08	up
6300057	7233787	1457902	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,07	down
6687326	7233787	1457908	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,06	down
5801860	7233787	1457906	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,05	up
6421387	7233787	1457895	ectonucleoside triphosphate diphosphohydrolase 6	Entpd6	85260	1,04	down
6568635	7025785	950785	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	2,41	down
6621577	7025785	950786	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	2,22	up
6235025	7025785	950780	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,93	up
6105171	7025785	950771	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,77	up
5920937	7025785	950795	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,60	up
6729729	7025785	950790	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,58	up
6136620	7025785	950783	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,49	down
6181335	7025785	950784	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,47	down
5818568	7025785	950782	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,39	down
6133349	7025785	950778	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,37	up
6289972	7025785	950781	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,24	down
6025563	7025785	950789	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,20	down
5912980	7025785	950775	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,18	up
5638090	7025785	950794	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,18	down
5668638	7025785	950773	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,18	up
6020663	7025785	950791	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,16	down
6236268	7025785	950772	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,16	up
6640663	7025785	950777	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,13	down
5882343	7025785	950770	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,12	up
6226546	7025785	950793	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,11	down
6463575	7025785	950793	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,09	down
6420360	7025785	950779	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,08	down

6699484	7025785	950787	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,06	up
5818106	7025785	950776	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,05	down
6037222	7025785	950774	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,05	down
6568770	7025785	950788	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,05	down
5666929	7025785	950792	ectonucleotide pyrophosphatase/phosphodiesterase 1	Enpp1	85496	1,04	down
5672453	7352252	1750566	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	2,12	down
6671532	7352252	1750566	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,82	down
6426006	7352252	1750570	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,46	up
6327940	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,46	down
6176555	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,40	up
5623224	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,36	down
6309153	7352252	1750571	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,25	up
6058664	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,24	up
6597486	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,21	down
6366708	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,14	up
6394484	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,14	up
6699317	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,11	down
5906565	7352252	1750570	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,04	up
6176645	7352252	1750574	ectonucleotide pyrophosphatase/phosphodiesterase 4	Enpp4	301261	1,00	down
6204293	7158920	1272510	EDAR-associated death domain	Edaradd	498769	1,16	up
6600309	7370508	1797228	EF hand calcium binding domain 1	Efcab1	301957	1,84	down
5766363	7370508	1797234	EF hand calcium binding domain 1	Efcab1	301957	1,79	up
5740711	7370508	1797231	EF hand calcium binding domain 1	Efcab1	301957	1,45	up
5696044	7370508	1797230	EF hand calcium binding domain 1	Efcab1	301957	1,34	down
6037789	7370508	1797234	EF hand calcium binding domain 1	Efcab1	301957	1,26	down
5870568	7370508	1797232	EF hand calcium binding domain 1	Efcab1	301957	1,16	down
6674055	7370508	1797233	EF hand calcium binding domain 1	Efcab1	301957	1,10	up
5805221	7370508	1797228	EF hand calcium binding domain 1	Efcab1	301957	1,05	down
5834410	7330238	1695969	EF-hand calcium binding domain 6	Efcab6	315179	1,12	down
6633459	7352635	1751441	EF-hand domain (C-terminal) containing 1	Efhc1	301295	3,20	down
6042152	7352635	1751450	EF-hand domain (C-terminal) containing 1	Efhc1	301295	2,23	down
6500761	7352635	1751440	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,76	down
6023256	7352635	1751448	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,66	down
6424716	7352635	1751451	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,45	up
6570240	7352635	1751449	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,37	down
6698894	7352635	1751453	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,31	down
6469422	7352635	1751442	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,31	down
5626644	7352635	1751452	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,15	down
5637156	7352635	1751454	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,04	up
6573111	7352635	1751446	EF-hand domain (C-terminal) containing 1	Efhc1	301295	1,02	up
6393899	7204831	1386778	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	2,16	down
6646185	7204831	1386776	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,89	up
6038944	7204831	1386767	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,83	up
5759280	7204831	1386764	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,34	down
6132443	7204831	1386773	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,29	up
6186389	7204831	1386764	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,23	down
6362634	7204831	1386797	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,21	down
6574045	7204831	1386783	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,20	down
5890210	7204831	1386812	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,19	down
5840206	7204831	1386784	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,15	down
6167706	7204831	1386812	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,15	up
5693031	7204831	1386762	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,14	down
6272394	7204831	1386790	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,14	up
5712658	7204831	1386798	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,09	up
6074657	7204831	1386792	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,09	up
6032073	7204831	1386812	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,07	up
6700582	7204831	1386762	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,06	up

6002712	7204831	1386763	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,05	down
6113757	7204831	1386781	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,05	down
5793839	7204831	1386775	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,03	up
6105143	7204831	1386782	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,02	down
6069716	7204831	1386780	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,02	up
6528369	7204831	1386777	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,02	down
6467587	7204831	1386769	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,01	down
6136769	7204831	1386788	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,01	down
5934181	7204831	1386774	EGF-like, fibronectin type III and laminin G domains	Egflam	365691	1,01	down
5633081	7225393	1435580	EGF-like-domain, multiple 7	Egfl7	245963	2,78	down
6595440	7225393	1435582	EGF-like-domain, multiple 7	Egfl7	245963	1,73	up
6621708	7225393	1435584	EGF-like-domain, multiple 7	Egfl7	245963	1,66	down
6664333	7225393	1435578	EGF-like-domain, multiple 7	Egfl7	245963	1,48	up
6680233	7225393	1435585	EGF-like-domain, multiple 7	Egfl7	245963	1,43	up
6067658	7225393	1435581	EGF-like-domain, multiple 7	Egfl7	245963	1,18	down
6705395	7225393	1435583	EGF-like-domain, multiple 7	Egfl7	245963	1,15	up
6179743	7225393	1435576	EGF-like-domain, multiple 7	Egfl7	245963	1,13	down
6692695	7225393	1435579	EGF-like-domain, multiple 7	Egfl7	245963	1,13	down
6357982	7225393	1435575	EGF-like-domain, multiple 7	Egfl7	245963	1,09	down
6295493	7225393	1435581	EGF-like-domain, multiple 7	Egfl7	245963	1,07	down
6003193	7225393	1435577	EGF-like-domain, multiple 7	Egfl7	245963	1,07	down
5730105	7049079	1007688	EGL nine homolog 2 (C. elegans)	Egln2	308457	2,32	down
6239781	7049079	1007692	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,90	down
6148868	7049079	1007692	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,29	down
6613355	7049079	1007687	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,19	down
6208572	7049079	1007688	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,19	down
5975285	7049079	1007692	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,18	down
6145709	7049079	1007691	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,14	up
6074875	7049079	1007690	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,08	up
6402943	7049079	1007692	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,03	up
6662905	7049079	1007689	EGL nine homolog 2 (C. elegans)	Egln2	308457	1,00	up
6129363	7306585	1639359	EGL nine homolog 3 (C. elegans)	Egln3	54702	2,68	down
6074362	7306585	1639359	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,93	down
6491758	7306585	1639357	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,44	up
6515065	7306585	1639356	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,32	up
6150997	7306585	1639355	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,26	up
5820590	7306585	1639358	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,26	up
6188339	7306585	1639355	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,18	down
6118354	7306585	1639359	EGL nine homolog 3 (C. elegans)	Egln3	54702	1,07	down
6357974	7243648	1482491	EH-domain containing 4	Ehd4	192204	3,00	down
6001263	7243648	1482489	EH-domain containing 4	Ehd4	192204	1,62	down
5949560	7243648	1482491	EH-domain containing 4	Ehd4	192204	1,34	up
6182913	7243648	1482491	EH-domain containing 4	Ehd4	192204	1,31	down
6654728	7243648	1482493	EH-domain containing 4	Ehd4	192204	1,28	up
6655424	7243648	1482492	EH-domain containing 4	Ehd4	192204	1,27	down
6050004	7243648	1482494	EH-domain containing 4	Ehd4	192204	1,25	down
5962217	7243648	1482496	EH-domain containing 4	Ehd4	192204	1,24	down
6010023	7243648	1482490	EH-domain containing 4	Ehd4	192204	1,21	up
6312553	7243648	1482491	EH-domain containing 4	Ehd4	192204	1,14	up
6248456	7243648	1482495	EH-domain containing 4	Ehd4	192204	1,05	down
6641569	7243648	1482491	EH-domain containing 4	Ehd4	192204	1,00	up
6069009	7097541	1121150	elastin	Eln	25043	2,78	up
6609456	7097541	1121167	elastin	Eln	25043	2,04	down
6469133	7097541	1121176	elastin	Eln	25043	1,67	down
6157140	7097541	1121149	elastin	Eln	25043	1,66	up
5841126	7097541	1121174	elastin	Eln	25043	1,54	down
5654488	7097541	1121169	elastin	Eln	25043	1,49	down

5625620	7097541	1121177	elastin	Eln	25043	1,47	up
5742680	7097541	1121155	elastin	Eln	25043	1,47	up
6308319	7097541	1121182	elastin	Eln	25043	1,35	down
5725631	7097541	1121165	elastin	Eln	25043	1,35	down
5825557	7097541	1121183	elastin	Eln	25043	1,34	up
5846801	7097541	1121180	elastin	Eln	25043	1,33	up
6309779	7097541	1121165	elastin	Eln	25043	1,32	down
5736254	7097541	1121159	elastin	Eln	25043	1,31	up
6691076	7097541	1121158	elastin	Eln	25043	1,28	down
5670943	7097541	1121173	elastin	Eln	25043	1,27	down
5988401	7097541	1121161	elastin	Eln	25043	1,27	up
6569835	7097541	1121148	elastin	Eln	25043	1,25	down
5813767	7097541	1121157	elastin	Eln	25043	1,23	down
6522291	7097541	1121163	elastin	Eln	25043	1,23	up
6440305	7097541	1121171	elastin	Eln	25043	1,22	down
6415846	7097541	1121162	elastin	Eln	25043	1,19	down
5848544	7097541	1121147	elastin	Eln	25043	1,19	down
6248057	7097541	1121168	elastin	Eln	25043	1,19	down
6090308	7097541	1121152	elastin	Eln	25043	1,18	down
6444490	7097541	1121153	elastin	Eln	25043	1,18	up
6561389	7097541	1121172	elastin	Eln	25043	1,18	up
6469800	7097541	1121160	elastin	Eln	25043	1,17	up
6094083	7097541	1121156	elastin	Eln	25043	1,16	up
5974856	7097541	1121177	elastin	Eln	25043	1,15	up
6360678	7097541	1121169	elastin	Eln	25043	1,12	down
6660647	7097541	1121179	elastin	Eln	25043	1,10	up
6408496	7097541	1121151	elastin	Eln	25043	1,10	down
6541975	7097541	1121183	elastin	Eln	25043	1,10	down
6270848	7097541	1121166	elastin	Eln	25043	1,08	up
5991874	7097541	1121178	elastin	Eln	25043	1,06	up
6429272	7097541	1121181	elastin	Eln	25043	1,05	up
6721099	7097541	1121154	elastin	Eln	25043	1,04	up
6672522	7097541	1121154	elastin	Eln	25043	1,03	down
6019730	7097541	1121175	elastin	Eln	25043	1,03	down
6294324	7097541	1121164	elastin	Eln	25043	1,02	up
6611611	7097541	1121165	elastin	Eln	25043	1,02	down
5682566	7097541	1121183	elastin	Eln	25043	1,02	up
6620145	7097541	1121169	elastin	Eln	25043	1,01	down
6637330	7097541	1121170	elastin	Eln	25043	1,01	down
6092664	7142931	1233229	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	2,17	up
6243749	7142931	1233218	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,68	up
5923814	7142931	1233221	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,56	up
6639743	7142931	1233225	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,41	down
6668200	7142931	1233222	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,39	down
6454554	7142931	1233217	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,32	down
5898553	7142931	1233220	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,29	up
6499561	7142931	1233214	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,29	down
6188070	7142931	1233224	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,22	down
5900349	7142931	1233215	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,20	up
6327570	7142931	1233215	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,14	up
5829501	7142931	1233228	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,12	up
5739815	7142931	1233226	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,06	down
6350603	7142931	1233227	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,06	up
6225266	7142931	1233216	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,06	down
5831114	7142931	1233227	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,03	down
6478748	7142931	1233223	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,03	down
6695679	7142931	1233224	ELKS/RAB6-interacting/CAST family member 2	Erc2	259269	1,03	down

5728946	7033616	970193	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,86	down
6737518	7033616	970205	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,74	up
6239718	7033616	970198	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,70	down
6553245	7033616	970229	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,63	down
5629598	7033616	970230	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,48	up
5750861	7033616	970202	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,47	up
6197372	7033616	970236	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,42	down
6495670	7033616	970193	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,37	up
6169303	7033616	970234	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,33	up
6341868	7033616	970197	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,30	up
6024496	7033616	970205	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,27	up
6512564	7033616	970206	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,27	up
6359424	7033616	970228	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,27	up
6288107	7033616	970206	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,27	down
5757893	7033616	970196	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,23	up
6269572	7033616	970189	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,21	up
5952300	7033616	970220	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,19	up
6261676	7033616	970199	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,18	down
5870405	7033616	970188	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,15	down
6203628	7033616	970207	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,14	up
5764579	7033616	970203	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,13	down
6352386	7033616	970190	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,08	down
5647343	7033616	970201	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,07	up
5871390	7033616	970234	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,06	down
6720294	7033616	970198	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,06	up
6636022	7033616	970236	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,05	down
5836007	7033616	970200	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,05	up
6597051	7033616	970228	elongation factor Tu GTP binding domain containing 1	Eftud1	308789	1,03	up
6520081	7156546	1267128	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	2,19	up
5857084	7156546	1267146	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,92	up
6710239	7156546	1267140	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,73	down
6065181	7156546	1267137	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,58	down
6200688	7156546	1267144	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,40	down
5767305	7156546	1267146	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,31	up
6317341	7156546	1267143	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,30	up
6532934	7156546	1267146	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,27	down
6730729	7156546	1267136	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,25	down
6364905	7156546	1267143	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,24	down
6051214	7156546	1267139	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,16	up
5767334	7156546	1267140	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,16	down
5807827	7156546	1267145	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,11	up
6042539	7156546	1267140	elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 2	Elov12	498728	1,01	up
5941350	7341375	1723561	endonuclease G-like 1	Endog11	301062	2,50	down
5797772	7341375	1723557	endonuclease G-like 1	Endog11	301062	1,88	down
6090402	7341375	1723561	endonuclease G-like 1	Endog11	301062	1,47	down
6718149	7341375	1723551	endonuclease G-like 1	Endog11	301062	1,46	up
5848015	7341375	1723556	endonuclease G-like 1	Endog11	301062	1,26	up
6060280	7341375	1723551	endonuclease G-like 1	Endog11	301062	1,25	up
5677364	7341375	1723554	endonuclease G-like 1	Endog11	301062	1,13	down
5713892	7341375	1723555	endonuclease G-like 1	Endog11	301062	1,11	up
6431454	7270592	1548563	endoplasmic reticulum protein 27	Erp27	297698	2,97	down
6117993	7270592	1548561	endoplasmic reticulum protein 27	Erp27	297698	1,87	up
6234597	7270592	1548559	endoplasmic reticulum protein 27	Erp27	297698	1,35	down
6229315	7270592	1548562	endoplasmic reticulum protein 27	Erp27	297698	1,30	up
5952601	7270592	1548564	endoplasmic reticulum protein 27	Erp27	297698	1,26	up
6189696	7270592	1548556	endoplasmic reticulum protein 27	Erp27	297698	1,16	down
6629215	7270592	1548557	endoplasmic reticulum protein 27	Erp27	297698	1,10	down

5690192	7095047	1115243	endothelin-converting enzyme 2	Ece2	408243	2,62	up
5707352	7095047	1115241	endothelin-converting enzyme 2	Ece2	408243	1,94	up
6203598	7095047	1115237	endothelin-converting enzyme 2	Ece2	408243	1,67	up
6494527	7095047	1115235	endothelin-converting enzyme 2	Ece2	408243	1,60	down
5956374	7095047	1115236	endothelin-converting enzyme 2	Ece2	408243	1,59	down
6680858	7095047	1115229	endothelin-converting enzyme 2	Ece2	408243	1,50	up
6208597	7095047	1115230	endothelin-converting enzyme 2	Ece2	408243	1,48	up
6087668	7095047	1115238	endothelin-converting enzyme 2	Ece2	408243	1,39	up
5689195	7095047	1115228	endothelin-converting enzyme 2	Ece2	408243	1,33	down
6397922	7095047	1115232	endothelin-converting enzyme 2	Ece2	408243	1,29	down
6298457	7095047	1115225	endothelin-converting enzyme 2	Ece2	408243	1,27	up
6259792	7095047	1115242	endothelin-converting enzyme 2	Ece2	408243	1,27	down
5858023	7095047	1115239	endothelin-converting enzyme 2	Ece2	408243	1,18	down
6277273	7095047	1115227	endothelin-converting enzyme 2	Ece2	408243	1,16	up
6462017	7095047	1115226	endothelin-converting enzyme 2	Ece2	408243	1,15	down
5707723	7095047	1115240	endothelin-converting enzyme 2	Ece2	408243	1,13	down
6658806	7095047	1115234	endothelin-converting enzyme 2	Ece2	408243	1,12	up
5805953	7095047	1115231	endothelin-converting enzyme 2	Ece2	408243	1,08	down
5793657	7095047	1115233	endothelin-converting enzyme 2	Ece2	408243	1,05	down
6346748	7369822	1795124	engrailed homeobox 1	En1	685360	2,00	up
5749628	7369822	1795123	engrailed homeobox 1	En1	685360	1,48	up
6121936	7369822	1795128	engrailed homeobox 1	En1	685360	1,19	up
6355913	7369822	1795123	engrailed homeobox 1	En1	685360	1,16	down
6148627	7369822	1795123	engrailed homeobox 1	En1	685360	1,11	down
6507411	7369822	1795128	engrailed homeobox 1	En1	685360	1,05	down
6206907	7369822	1795128	engrailed homeobox 1	En1	685360	1,03	down
6561206	7369822	1795128	engrailed homeobox 1	En1	685360	1,01	up
6548760	7369822	1795129	engrailed homeobox 1	En1	685360	1,00	down
5938622	7369822	1795123	engrailed homeobox 1	En1	685360	1,00	down
6218515	7164949	1286353	engulfment and cell motility 1	Elmo1	361251	2,84	down
5963359	7164949	1286365	engulfment and cell motility 1	Elmo1	361251	2,64	down
5655252	7164949	1286355	engulfment and cell motility 1	Elmo1	361251	2,21	down
5729400	7164949	1286353	engulfment and cell motility 1	Elmo1	361251	2,07	down
5622309	7164949	1286437	engulfment and cell motility 1	Elmo1	361251	1,81	up
6057417	7164949	1286451	engulfment and cell motility 1	Elmo1	361251	1,80	up
5750238	7164949	1286362	engulfment and cell motility 1	Elmo1	361251	1,74	down
6473972	7164949	1286359	engulfment and cell motility 1	Elmo1	361251	1,60	down
5675979	7164949	1286396	engulfment and cell motility 1	Elmo1	361251	1,58	up
5756492	7164949	1286440	engulfment and cell motility 1	Elmo1	361251	1,54	up
6071640	7164949	1286430	engulfment and cell motility 1	Elmo1	361251	1,46	up
6292465	7164949	1286428	engulfment and cell motility 1	Elmo1	361251	1,45	up
6266825	7164949	1286455	engulfment and cell motility 1	Elmo1	361251	1,44	up
6488298	7164949	1286427	engulfment and cell motility 1	Elmo1	361251	1,41	up
6017177	7164949	1286364	engulfment and cell motility 1	Elmo1	361251	1,40	down
6450473	7164949	1286450	engulfment and cell motility 1	Elmo1	361251	1,38	up
6100529	7164949	1286425	engulfment and cell motility 1	Elmo1	361251	1,36	up
5917837	7164949	1286418	engulfment and cell motility 1	Elmo1	361251	1,29	up
6493174	7164949	1286411	engulfment and cell motility 1	Elmo1	361251	1,25	up
6705758	7164949	1286434	engulfment and cell motility 1	Elmo1	361251	1,19	up
5818237	7164949	1286481	engulfment and cell motility 1	Elmo1	361251	1,15	down
6442976	7164949	1286423	engulfment and cell motility 1	Elmo1	361251	1,07	up
5965588	7164949	1286424	engulfment and cell motility 1	Elmo1	361251	1,00	down
6356221	7123196	1185208	enolase-phosphatase 1	Enoph1	305177	3,07	down
6377883	7123196	1185209	enolase-phosphatase 1	Enoph1	305177	1,69	down
6233944	7123196	1185203	enolase-phosphatase 1	Enoph1	305177	1,28	up
5668415	7123196	1185209	enolase-phosphatase 1	Enoph1	305177	1,25	up
5750981	7123196	1185204	enolase-phosphatase 1	Enoph1	305177	1,18	up

5697941	7123196	1185207	enolase-phosphatase 1	Enoph1	305177	1,15	up
6649979	7123196	1185206	enolase-phosphatase 1	Enoph1	305177	1,13	up
5658863	7123196	1185205	enolase-phosphatase 1	Enoph1	305177	1,03	up
6660462	7278178	1568587	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	2,13	down
5763864	7278178	1568589	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,71	up
5633257	7278178	1568586	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,52	down
6380368	7278178	1568590	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,45	up
6207429	7278178	1568585	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,40	down
5714536	7278178	1568591	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,13	down
6312046	7278178	1568593	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,10	up
5771265	7278178	1568588	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,09	up
6360218	7278178	1568593	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,09	down
6563729	7278178	1568592	enoyl Coenzyme A hydratase domain containing 2	Echdc2	298381	1,04	down
6384662	7058599	1028487	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	2,66	down
6186090	7058599	1028489	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,47	up
5781076	7058599	1028485	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,41	up
5726912	7058599	1028486	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,40	down
6376575	7058599	1028493	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,18	down
5707493	7058599	1028488	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,10	up
6052654	7058599	1028491	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,06	up
5674343	7058599	1028490	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,00	down
6430571	7058599	1028492	enoyl Coenzyme A hydratase, short chain, 1, mitochondrial	Echs1	140547	1,00	down
5772831	7090144	1103758	Eph receptor A3	Epha3	29210	2,09	up
6095019	7090144	1103750	Eph receptor A3	Epha3	29210	1,46	up
6452307	7090144	1103763	Eph receptor A3	Epha3	29210	1,43	up
5667266	7090144	1103752	Eph receptor A3	Epha3	29210	1,37	up
6505357	7090144	1103755	Eph receptor A3	Epha3	29210	1,24	down
6727088	7090144	1103753	Eph receptor A3	Epha3	29210	1,18	up
6311607	7090144	1103760	Eph receptor A3	Epha3	29210	1,09	down
6177774	7090144	1103765	Eph receptor A3	Epha3	29210	1,09	down
5914311	7090144	1103749	Eph receptor A3	Epha3	29210	1,08	down
6349774	7090144	1103757	Eph receptor A3	Epha3	29210	1,06	up
5630884	7090144	1103764	Eph receptor A3	Epha3	29210	1,04	down
5693124	7090144	1103759	Eph receptor A3	Epha3	29210	1,04	up
6560296	7090144	1103762	Eph receptor A3	Epha3	29210	1,03	down
5721800	7090144	1103754	Eph receptor A3	Epha3	29210	1,02	up
5676825	7090144	1103751	Eph receptor A3	Epha3	29210	1,02	down
5736137	7090144	1103761	Eph receptor A3	Epha3	29210	1,02	up
6599082	7090144	1103753	Eph receptor A3	Epha3	29210	1,00	up
5671670	7090144	1103756	Eph receptor A3	Epha3	29210	1,00	down
5831410	7087282	1096243	Eph receptor A6	Epha6	29202	1,70	down
6340902	7087282	1096244	Eph receptor A6	Epha6	29202	1,46	up
6586934	7087282	1096242	Eph receptor A6	Epha6	29202	1,22	down
6545564	7087282	1096243	Eph receptor A6	Epha6	29202	1,11	down
5748553	7087282	1096144	Eph receptor A6	Epha6	29202	1,07	up
6224111	7292178	1601737	Eph receptor A8	Epha8	60589	1,36	up
6397651	7292178	1601735	Eph receptor A8	Epha8	60589	1,18	up
5881965	7292178	1601739	Eph receptor A8	Epha8	60589	1,13	up
5747456	7292178	1601736	Eph receptor A8	Epha8	60589	1,08	down
6156008	7292178	1601738	Eph receptor A8	Epha8	60589	1,04	down
6341173	7292178	1601740	Eph receptor A8	Epha8	60589	1,02	down
5632762	7292178	1601741	Eph receptor A8	Epha8	60589	1,01	up
6363539	7253088	1505129	Eph receptor B6	Ephb6	312275	2,58	down
6244574	7253088	1505128	Eph receptor B6	Ephb6	312275	2,14	down
6421022	7253088	1505119	Eph receptor B6	Ephb6	312275	1,60	down
5984662	7253088	1505122	Eph receptor B6	Ephb6	312275	1,53	up
5856206	7253088	1505124	Eph receptor B6	Ephb6	312275	1,50	down

6254681	7253088	1505109	Eph receptor B6	Ephb6	312275	1,31	up
6201910	7253088	1505126	Eph receptor B6	Ephb6	312275	1,30	down
5900021	7253088	1505118	Eph receptor B6	Ephb6	312275	1,30	up
6449916	7253088	1505120	Eph receptor B6	Ephb6	312275	1,28	down
6112802	7253088	1505125	Eph receptor B6	Ephb6	312275	1,25	down
6003716	7253088	1505116	Eph receptor B6	Ephb6	312275	1,21	down
6300968	7253088	1505109	Eph receptor B6	Ephb6	312275	1,20	up
5648019	7253088	1505117	Eph receptor B6	Ephb6	312275	1,13	up
6483917	7253088	1505132	Eph receptor B6	Ephb6	312275	1,12	up
5640692	7253088	1505115	Eph receptor B6	Ephb6	312275	1,08	down
5918823	7253088	1505130	Eph receptor B6	Ephb6	312275	1,08	down
6021725	7253088	1505113	Eph receptor B6	Ephb6	312275	1,07	up
5884750	7253088	1505123	Eph receptor B6	Ephb6	312275	1,04	up
5981859	7253088	1505127	Eph receptor B6	Ephb6	312275	1,04	up
6298335	7253088	1505109	Eph receptor B6	Ephb6	312275	1,03	up
5882339	7253088	1505131	Eph receptor B6	Ephb6	312275	1,02	down
6539672	7253088	1505114	Eph receptor B6	Ephb6	312275	1,01	down
6681194	7253088	1505121	Eph receptor B6	Ephb6	312275	1,00	up
6283260	7117526	1170983	EphA5	Epha5	79208	1,66	down
5986200	7117526	1171031	EphA5	Epha5	79208	1,59	up
6686297	7117526	1171030	EphA5	Epha5	79208	1,57	down
5830489	7117526	1171015	EphA5	Epha5	79208	1,50	up
6063084	7117526	1171009	EphA5	Epha5	79208	1,47	down
5640354	7117526	1171026	EphA5	Epha5	79208	1,44	up
6110503	7117526	1170976	EphA5	Epha5	79208	1,43	down
6680825	7117526	1171021	EphA5	Epha5	79208	1,40	down
5729407	7117526	1170987	EphA5	Epha5	79208	1,37	down
6433664	7117526	1171028	EphA5	Epha5	79208	1,36	down
6101730	7117526	1170976	EphA5	Epha5	79208	1,31	down
6607737	7117526	1171027	EphA5	Epha5	79208	1,31	down
6684318	7117526	1170976	EphA5	Epha5	79208	1,25	up
6466415	7117526	1171025	EphA5	Epha5	79208	1,22	down
6154671	7117526	1171010	EphA5	Epha5	79208	1,14	up
6658919	7117526	1171002	EphA5	Epha5	79208	1,12	down
6382082	7117526	1171020	EphA5	Epha5	79208	1,10	down
6715130	7117526	1171019	EphA5	Epha5	79208	1,10	up
6294312	7117526	1171008	EphA5	Epha5	79208	1,03	up
6297062	7210794	1400899	ephrin A1	Efna1	94268	2,23	up
6609046	7210794	1400898	ephrin A1	Efna1	94268	1,46	up
6543343	7210794	1400896	ephrin A1	Efna1	94268	1,21	up
5953558	7210794	1400895	ephrin A1	Efna1	94268	1,14	down
6061917	7210794	1400900	ephrin A1	Efna1	94268	1,09	up
5890646	7210794	1400897	ephrin A1	Efna1	94268	1,08	down
6551309	7123853	1186753	epiregulin	Ereg	59325	1,93	down
6657966	7123853	1186749	epiregulin	Ereg	59325	1,65	up
5667946	7123853	1186750	epiregulin	Ereg	59325	1,58	up
6081983	7123853	1186751	epiregulin	Ereg	59325	1,21	up
6669612	7123853	1186753	epiregulin	Ereg	59325	1,17	down
5942818	7123853	1186752	epiregulin	Ereg	59325	1,14	up
6712147	7207069	1392016	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,73	down
5899870	7207069	1392012	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,21	up
6564650	7207069	1392007	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,19	down
5832385	7207069	1392013	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,06	down
5656336	7207069	1392007	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,04	up
6261629	7207069	1392014	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,04	up
6416535	7207069	1392015	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,02	up
6188562	7207069	1392011	epithelial cell transforming sequence 2 oncogene	Ect2	361921	1,02	up

6274261	7064843	1043180	epithelial membrane protein 2	Emp2	360468	2,39	down
6617117	7064843	1043181	epithelial membrane protein 2	Emp2	360468	2,25	up
6681498	7064843	1043185	epithelial membrane protein 2	Emp2	360468	2,19	up
6428871	7064843	1043183	epithelial membrane protein 2	Emp2	360468	2,16	down
6461589	7064843	1043181	epithelial membrane protein 2	Emp2	360468	1,33	up
6462383	7064843	1043182	epithelial membrane protein 2	Emp2	360468	1,12	up
6424952	7064843	1043184	epithelial membrane protein 2	Emp2	360468	1,02	down
6512312	7114725	1164038	epoxide hydrolase 1, microsomal	Ephx1	25315	2,61	up
5904228	7114725	1164045	epoxide hydrolase 1, microsomal	Ephx1	25315	1,83	down
5924424	7114725	1164044	epoxide hydrolase 1, microsomal	Ephx1	25315	1,81	down
6573143	7114725	1164046	epoxide hydrolase 1, microsomal	Ephx1	25315	1,26	down
5963049	7114725	1164042	epoxide hydrolase 1, microsomal	Ephx1	25315	1,19	up
6052946	7114725	1164039	epoxide hydrolase 1, microsomal	Ephx1	25315	1,19	up
5779507	7114725	1164040	epoxide hydrolase 1, microsomal	Ephx1	25315	1,12	up
6291351	7114725	1164043	epoxide hydrolase 1, microsomal	Ephx1	25315	1,10	up
5789026	7114725	1164041	epoxide hydrolase 1, microsomal	Ephx1	25315	1,08	down
6709013	7246993	1490078	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	2,50	up
6539507	7246993	1490079	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,83	up
6454863	7246993	1490089	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,62	up
6558244	7246993	1490089	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,38	up
6308798	7246993	1490086	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,35	down
6126860	7246993	1490088	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,34	down
6057374	7246993	1490085	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,22	up
5935510	7246993	1490082	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,16	up
6278896	7246993	1490079	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,15	down
5941066	7246993	1490084	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,12	down
6664061	7246993	1490080	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,06	up
5720422	7246993	1490083	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,03	down
6429678	7246993	1490087	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,02	down
6651587	7246993	1490081	ER degradation enhancer, mannosidase alpha-like 2	Edem2	296304	1,01	up
6647134	7044906	998136	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,93	down
5757451	7044906	998155	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,67	up
5698843	7044906	998144	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,52	down
6206821	7044906	998117	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,45	down
5683029	7044906	998113	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,44	down
6241360	7044906	998131	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,43	down
6030466	7044906	998145	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,32	up
6217480	7044906	998117	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,27	up
6575304	7044906	998124	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,26	up
6674174	7044906	998109	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,26	down
5637214	7044906	998114	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,25	up
6018515	7044906	998128	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,25	down
6086850	7044906	998119	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,24	down
6325065	7044906	998130	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,22	down
6370211	7044906	998118	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,21	up
6510620	7044906	998127	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,19	up
6118686	7044906	998107	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,17	down
6673254	7044906	998134	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,12	down
6532203	7044906	998130	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,09	up
5721754	7044906	998116	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,09	up
6518667	7044906	998128	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,07	down
6374116	7044906	998127	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,05	up
6149498	7044906	998139	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,05	up
6140083	7044906	998121	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,05	down
6625721	7044906	998132	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,04	down
5721236	7044906	998140	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,02	down
6550976	7044906	998146	erythrocyte membrane protein band 4.1-like 2	Epb4.112	309557	1,01	up

5648968	7174281	1310869	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,67	down
6067285	7174281	1310858	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,38	up
6198381	7174281	1310851	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,38	down
6246084	7174281	1310857	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,36	up
6702095	7174281	1310870	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,35	up
6387949	7174281	1310845	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,26	up
5876087	7174281	1310854	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,25	up
6247574	7174281	1310845	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,24	up
5903988	7174281	1310866	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,23	up
6066993	7174281	1310842	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,14	up
5736456	7174281	1310859	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,14	down
6724243	7174281	1310847	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,11	down
6685775	7174281	1310843	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,10	up
5898489	7174281	1310872	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,10	up
6263738	7174281	1310850	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,05	down
6462360	7174281	1310874	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,03	up
6413737	7174281	1310871	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,03	down
5804730	7174281	1310873	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,03	up
5712566	7174281	1310855	erythrocyte protein band 4.1-like 4a	Epb4.114a	307514	1,01	down
6350728	7139825	1225346	erythrocyte protein band 4.9	Epb4.9	361069	2,30	up
6159489	7139825	1225335	erythrocyte protein band 4.9	Epb4.9	361069	2,25	up
6358554	7139825	1225333	erythrocyte protein band 4.9	Epb4.9	361069	1,60	up
6430764	7139825	1225336	erythrocyte protein band 4.9	Epb4.9	361069	1,46	up
5977632	7139825	1225339	erythrocyte protein band 4.9	Epb4.9	361069	1,41	down
6400154	7139825	1225353	erythrocyte protein band 4.9	Epb4.9	361069	1,39	down
6732566	7139825	1225343	erythrocyte protein band 4.9	Epb4.9	361069	1,36	down
5936724	7139825	1225348	erythrocyte protein band 4.9	Epb4.9	361069	1,33	down
5721168	7139825	1225345	erythrocyte protein band 4.9	Epb4.9	361069	1,29	down
6541947	7139825	1225337	erythrocyte protein band 4.9	Epb4.9	361069	1,27	up
6198221	7139825	1225334	erythrocyte protein band 4.9	Epb4.9	361069	1,24	up
6173466	7139825	1225340	erythrocyte protein band 4.9	Epb4.9	361069	1,22	up
6166758	7139825	1225353	erythrocyte protein band 4.9	Epb4.9	361069	1,11	down
6288563	7139825	1225353	erythrocyte protein band 4.9	Epb4.9	361069	1,11	up
5632147	7139825	1225342	erythrocyte protein band 4.9	Epb4.9	361069	1,06	up
5943187	7139825	1225338	erythrocyte protein band 4.9	Epb4.9	361069	1,04	down
5996308	7139825	1225357	erythrocyte protein band 4.9	Epb4.9	361069	1,03	down
5692698	7139825	1225333	erythrocyte protein band 4.9	Epb4.9	361069	1,02	down
6328226	7139825	1225341	erythrocyte protein band 4.9	Epb4.9	361069	1,00	down
5646376	7316647	1664071	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	2,29	down
6602757	7316647	1664065	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,78	up
6385301	7316647	1664072	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,49	down
6545900	7316647	1664065	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,38	up
6278527	7316647	1664066	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,34	up
5634464	7316647	1664068	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,17	down
6692396	7316647	1664067	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,12	down
6178540	7316647	1664070	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,08	down
6134689	7316647	1664069	estrogen receptor binding site associated, antigen, 9	Ebag9	299864	1,05	up
6605604	7242451	1479338	ets homologous factor	Ehf	295965	2,54	up
6725833	7242451	1479345	ets homologous factor	Ehf	295965	1,99	down
6443925	7242451	1479344	ets homologous factor	Ehf	295965	1,70	up
6623576	7242451	1479351	ets homologous factor	Ehf	295965	1,56	down
6667315	7242451	1479346	ets homologous factor	Ehf	295965	1,29	up
5721745	7242451	1479340	ets homologous factor	Ehf	295965	1,16	down
6358179	7242451	1479342	ets homologous factor	Ehf	295965	1,10	down
5778298	7242451	1479343	ets homologous factor	Ehf	295965	1,09	up
5750526	7242451	1479339	ets homologous factor	Ehf	295965	1,06	down
6389907	7220672	1424611	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	4,27	down

6487086	7220672	1424625	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,84	up
6435607	7220672	1424619	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,44	up
5774070	7220672	1424624	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,28	down
6052008	7220672	1424620	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,27	up
6180442	7220672	1424607	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,27	down
5936564	7220672	1424618	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,19	up
5767610	7220672	1424626	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,18	up
6156561	7220672	1424621	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,17	down
6684577	7220672	1424623	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,16	down
6437827	7220672	1424627	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,16	up
6320608	7220672	1424613	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,15	up
5645055	7220672	1424610	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,13	down
6121416	7220672	1424615	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,08	down
6672024	7220672	1424612	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,07	up
6123855	7220672	1424614	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,07	up
5749032	7220672	1424622	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,06	up
6331888	7220672	1424606	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,05	down
5713527	7220672	1424617	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,04	up
5963621	7220672	1424605	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,04	up
5622296	7220672	1424608	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,04	up
6162522	7220672	1424629	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,03	down
5747391	7220672	1424616	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,02	down
6655995	7220672	1424613	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,02	down
6514057	7220672	1424628	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,02	down
5677852	7220672	1424609	euchromatic histone lysine N-methyltransferase 2	Ehmt2	361798	1,01	up
6201395	7036394	976768	eukaryotic elongation factor-2 kinase	Eef2k	25435	2,33	down
6312901	7036394	976772	eukaryotic elongation factor-2 kinase	Eef2k	25435	2,18	down
5960580	7036394	976762	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,79	up
5744762	7036394	976757	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,68	down
5787833	7036394	976755	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,67	down
6495757	7036394	976769	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,54	up
6359914	7036394	976768	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,33	down
6733499	7036394	976758	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,27	up
5945109	7036394	976755	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,26	up
6329010	7036394	976759	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,24	down
6635577	7036394	976763	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,23	up
6683957	7036394	976764	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,22	up
6510560	7036394	976760	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,20	up
5670417	7036394	976761	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,20	up
6714939	7036394	976766	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,18	down
5851984	7036394	976771	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,18	down
6254140	7036394	976773	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,17	down
5872962	7036394	976762	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,15	down
6186383	7036394	976765	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,14	down
5873474	7036394	976756	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,12	down
6476629	7036394	976767	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,09	down
6739628	7036394	976756	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,08	down
6252551	7036394	976770	eukaryotic elongation factor-2 kinase	Eef2k	25435	1,03	up
5666327	7248954	1494907	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	2,24	down
6241040	7248954	1494906	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,60	up
6501708	7248954	1494898	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,33	up
6324413	7248954	1494907	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,32	down
6302419	7248954	1494904	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,31	down
6221224	7248954	1494899	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,28	down
6586976	7248954	1494900	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,11	up
5629786	7248954	1494905	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,10	down
6521094	7248954	1494903	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,05	down

6164233	7248954	1494902	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,02	up
5956985	7248954	1494901	eukaryotic translation elongation factor 1 alpha 2	Eef1a2	24799	1,01	up
6479543	7231484	1451376	eukaryotic translation initiation factor 2 alpha kinase 4	Eif2ak4	114859	1,38	down
6596131	7231484	1451374	eukaryotic translation initiation factor 2 alpha kinase 4	Eif2ak4	114859	1,37	down
5871981	7231484	1451375	eukaryotic translation initiation factor 2 alpha kinase 4	Eif2ak4	114859	1,34	down
6065477	7231484	1451374	eukaryotic translation initiation factor 2 alpha kinase 4	Eif2ak4	114859	1,26	up
6018299	7231484	1451377	eukaryotic translation initiation factor 2 alpha kinase 4	Eif2ak4	114859	1,15	down
6707404	7194356	1361638	eukaryotic translation initiation factor 2A	Eif2a	502531	2,91	down
5741600	7194356	1361622	eukaryotic translation initiation factor 2A	Eif2a	502531	1,88	down
6203274	7194356	1361638	eukaryotic translation initiation factor 2A	Eif2a	502531	1,41	up
6727252	7194356	1361630	eukaryotic translation initiation factor 2A	Eif2a	502531	1,32	down
5726749	7194356	1361626	eukaryotic translation initiation factor 2A	Eif2a	502531	1,32	down
5650396	7194356	1361628	eukaryotic translation initiation factor 2A	Eif2a	502531	1,30	down
6645843	7194356	1361636	eukaryotic translation initiation factor 2A	Eif2a	502531	1,25	up
6159116	7194356	1361633	eukaryotic translation initiation factor 2A	Eif2a	502531	1,24	up
5989075	7194356	1361623	eukaryotic translation initiation factor 2A	Eif2a	502531	1,21	up
5978086	7194356	1361635	eukaryotic translation initiation factor 2A	Eif2a	502531	1,21	down
5799468	7194356	1361635	eukaryotic translation initiation factor 2A	Eif2a	502531	1,19	down
5767393	7194356	1361631	eukaryotic translation initiation factor 2A	Eif2a	502531	1,18	up
6682958	7194356	1361626	eukaryotic translation initiation factor 2A	Eif2a	502531	1,13	down
6582909	7194356	1361629	eukaryotic translation initiation factor 2A	Eif2a	502531	1,12	up
6244771	7194356	1361634	eukaryotic translation initiation factor 2A	Eif2a	502531	1,12	up
6445769	7194356	1361632	eukaryotic translation initiation factor 2A	Eif2a	502531	1,10	up
5618271	7267802	1541887	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	2,40	up
6489608	7267802	1541890	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,90	up
6152850	7267802	1541903	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,58	up
6042601	7267802	1541896	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,56	up
5879494	7267802	1541906	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,34	up
6608597	7267802	1541894	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,32	up
6066444	7267802	1541895	eukaryotic translation initiation factor 4E member 3	Eif4e3	297481	1,08	up
6191765	7353614	1753718	eukaryotic translation initiation factor 5B	Eif5b	308306	1,44	down
5967390	7353614	1753727	eukaryotic translation initiation factor 5B	Eif5b	308306	1,35	down
6488297	7353614	1753719	eukaryotic translation initiation factor 5B	Eif5b	308306	1,35	down
6299292	7353614	1753731	eukaryotic translation initiation factor 5B	Eif5b	308306	1,32	up
6560117	7353614	1753717	eukaryotic translation initiation factor 5B	Eif5b	308306	1,30	up
5721375	7353614	1753720	eukaryotic translation initiation factor 5B	Eif5b	308306	1,30	up
5656825	7353614	1753733	eukaryotic translation initiation factor 5B	Eif5b	308306	1,20	up
5632737	7353614	1753722	eukaryotic translation initiation factor 5B	Eif5b	308306	1,14	down
5869591	7353614	1753729	eukaryotic translation initiation factor 5B	Eif5b	308306	1,13	down
6687215	7353614	1753734	eukaryotic translation initiation factor 5B	Eif5b	308306	1,12	up
6599585	7353614	1753726	eukaryotic translation initiation factor 5B	Eif5b	308306	1,11	up
5629524	7353614	1753735	eukaryotic translation initiation factor 5B	Eif5b	308306	1,10	up
6059942	7353614	1753724	eukaryotic translation initiation factor 5B	Eif5b	308306	1,09	up
6354695	7353614	1753715	eukaryotic translation initiation factor 5B	Eif5b	308306	1,06	up
6484409	7353614	1753721	eukaryotic translation initiation factor 5B	Eif5b	308306	1,05	down
6138653	7353614	1753725	eukaryotic translation initiation factor 5B	Eif5b	308306	1,02	up
6641742	7353614	1753730	eukaryotic translation initiation factor 5B	Eif5b	308306	1,02	up
6458544	7353614	1753718	eukaryotic translation initiation factor 5B	Eif5b	308306	1,02	up
5869141	7127801	1195863	Ewing sarcoma breakpoint region 1	Ewsr1	289752	2,08	down
6087699	7127801	1195863	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,78	down
6665210	7127801	1195866	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,69	down
6372057	7127801	1195875	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,58	down
6094637	7127801	1195871	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,55	down
5665914	7127801	1195880	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,51	up
6490654	7127801	1195867	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,50	down
6078800	7127801	1195870	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,48	up
6237609	7127801	1195863	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,28	down

5737015	7127801	1195863	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,25	down
5968555	7127801	1195861	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,24	down
5975448	7127801	1195864	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,24	down
5889830	7127801	1195862	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,20	down
6106908	7127801	1195878	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,12	down
5619954	7127801	1195873	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,11	down
5665470	7127801	1195879	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,09	down
5956984	7127801	1195875	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,06	down
6174672	7127801	1195874	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,04	up
6011263	7127801	1195865	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,01	down
6634334	7127801	1195868	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,01	down
5960695	7127801	1195868	Ewing sarcoma breakpoint region 1	Ewsr1	289752	1,01	up
5830838	7143381	1234477	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	2,23	down
5824315	7143381	1234481	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,96	down
6476949	7143381	1234487	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,66	down
6505636	7143381	1234472	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,35	down
6520035	7143381	1234485	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,34	down
6701633	7143381	1234493	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,30	down
6040429	7143381	1234478	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,28	up
6718265	7143381	1234489	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,27	down
6174761	7143381	1234494	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,26	up
6557443	7143381	1234491	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,24	down
6607818	7143381	1234486	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,24	up
6563647	7143381	1234490	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,20	down
6590273	7143381	1234495	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,19	down
6506068	7143381	1234497	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,19	up
6494039	7143381	1234484	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,10	up
6200862	7143381	1234489	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,08	up
6657828	7143381	1234497	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,08	down
6319093	7143381	1234471	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,06	up
5892974	7143381	1234471	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,06	up
6345022	7143381	1234488	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,05	up
6298598	7143381	1234492	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,04	down
5753104	7143381	1234471	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,04	down
6654747	7143381	1234476	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,03	up
6316888	7143381	1234471	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,02	down
5704229	7143381	1234498	excision repair cross-complementing rodent repair deficiency, complementation group 6	Erc6	306274	1,00	down
5827362	7189404	1348203	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,91	down
6176428	7189404	1348203	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,77	up
6739173	7189404	1348201	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,74	up
5892714	7189404	1348200	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,37	up
6394371	7189404	1348202	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,35	up
6488373	7189404	1348194	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,29	up
6483135	7189404	1348191	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,22	down
6166289	7189404	1348199	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,19	up
5783539	7189404	1348188	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,18	down
6251476	7189404	1348189	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,18	down
6553302	7189404	1348201	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,17	down
6666940	7189404	1348203	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,06	down
6028806	7189404	1348192	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,06	down
5628957	7189404	1348195	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,02	up
6086446	7189404	1348203	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,01	up
6108813	7189404	1348203	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,01	down
6145457	7189404	1348197	excision repair cross-complementing rodent repair deficiency, complementation group 8	Erc8	310071	1,01	down
5963732	7184850	1337601	exocyst complex component 3-like	Exoc31	291961	1,65	up
5646482	7184850	1337606	exocyst complex component 3-like	Exoc31	291961	1,56	down
6326116	7184850	1337612	exocyst complex component 3-like	Exoc31	291961	1,51	down

6538614	7184850	1337610	exocyst complex component 3-like	Exoc31	291961	1,48	up
6698126	7184850	1337605	exocyst complex component 3-like	Exoc31	291961	1,40	up
5701410	7184850	1337611	exocyst complex component 3-like	Exoc31	291961	1,38	up
6458779	7184850	1337608	exocyst complex component 3-like	Exoc31	291961	1,30	up
5740883	7184850	1337612	exocyst complex component 3-like	Exoc31	291961	1,27	down
5658581	7184850	1337600	exocyst complex component 3-like	Exoc31	291961	1,20	down
6238659	7184850	1337610	exocyst complex component 3-like	Exoc31	291961	1,19	up
5817769	7184850	1337601	exocyst complex component 3-like	Exoc31	291961	1,12	down
6239849	7184850	1337603	exocyst complex component 3-like	Exoc31	291961	1,10	up
6095863	7184850	1337607	exocyst complex component 3-like	Exoc31	291961	1,08	down
6571731	7184850	1337601	exocyst complex component 3-like	Exoc31	291961	1,05	down
5877861	7184850	1337604	exocyst complex component 3-like	Exoc31	291961	1,02	up
6110485	7184850	1337600	exocyst complex component 3-like	Exoc31	291961	1,02	down
6293526	7184850	1337602	exocyst complex component 3-like	Exoc31	291961	1,00	up
6594681	7184850	1337601	exocyst complex component 3-like	Exoc31	291961	1,00	up
6515821	7252339	1503283	exocyst complex component 4	Exoc4	116654	1,38	up
5911517	7252339	1503266	exocyst complex component 4	Exoc4	116654	1,24	down
6456427	7252339	1503322	exocyst complex component 4	Exoc4	116654	1,21	up
5669531	7252339	1503272	exocyst complex component 4	Exoc4	116654	1,20	down
5657133	7252339	1503333	exocyst complex component 4	Exoc4	116654	1,20	up
6576102	7252339	1503322	exocyst complex component 4	Exoc4	116654	1,18	down
5962430	7252339	1503252	exocyst complex component 4	Exoc4	116654	1,17	up
6608616	7252339	1503357	exocyst complex component 4	Exoc4	116654	1,14	down
5921012	7252339	1503285	exocyst complex component 4	Exoc4	116654	1,14	down
5777439	7252339	1503344	exocyst complex component 4	Exoc4	116654	1,10	down
6196056	7252339	1503355	exocyst complex component 4	Exoc4	116654	1,10	down
6276171	7252339	1503339	exocyst complex component 4	Exoc4	116654	1,08	up
6167195	7252339	1503260	exocyst complex component 4	Exoc4	116654	1,06	down
5886020	7252339	1503249	exocyst complex component 4	Exoc4	116654	1,05	up
6477606	7252339	1503262	exocyst complex component 4	Exoc4	116654	1,04	up
6031824	7252339	1503358	exocyst complex component 4	Exoc4	116654	1,03	up
6072275	7252339	1503299	exocyst complex component 4	Exoc4	116654	1,03	up
5847611	7252339	1503258	exocyst complex component 4	Exoc4	116654	1,02	up
6562248	7252339	1503370	exocyst complex component 4	Exoc4	116654	1,00	down
6727667	7084659	1089988	exocyst complex component 7	Exoc7	64632	2,03	down
6068215	7084659	1089989	exocyst complex component 7	Exoc7	64632	1,81	down
5902559	7084659	1089986	exocyst complex component 7	Exoc7	64632	1,76	down
5816714	7084659	1089987	exocyst complex component 7	Exoc7	64632	1,63	down
5741750	7084659	1089993	exocyst complex component 7	Exoc7	64632	1,58	up
6670397	7084659	1089991	exocyst complex component 7	Exoc7	64632	1,48	down
6326291	7084659	1090003	exocyst complex component 7	Exoc7	64632	1,47	up
6579237	7084659	1090002	exocyst complex component 7	Exoc7	64632	1,43	down
6052298	7084659	1089997	exocyst complex component 7	Exoc7	64632	1,38	up
6679112	7084659	1089996	exocyst complex component 7	Exoc7	64632	1,25	up
6515650	7084659	1089990	exocyst complex component 7	Exoc7	64632	1,22	down
5668260	7084659	1090001	exocyst complex component 7	Exoc7	64632	1,21	up
6099668	7084659	1089995	exocyst complex component 7	Exoc7	64632	1,16	down
5793012	7084659	1089999	exocyst complex component 7	Exoc7	64632	1,15	up
6303658	7084659	1089992	exocyst complex component 7	Exoc7	64632	1,14	down
5913631	7084659	1089994	exocyst complex component 7	Exoc7	64632	1,12	down
6318300	7084659	1090000	exocyst complex component 7	Exoc7	64632	1,06	up
6171268	7084659	1089998	exocyst complex component 7	Exoc7	64632	1,02	up
6245441	7108122	1147391	exonuclease 1	Exo1	305000	2,09	down
5673349	7108122	1147400	exonuclease 1	Exo1	305000	1,56	down
6357667	7108122	1147394	exonuclease 1	Exo1	305000	1,44	down
6044992	7108122	1147389	exonuclease 1	Exo1	305000	1,42	down
5955289	7108122	1147385	exonuclease 1	Exo1	305000	1,36	down

6592124	7108122	1147397	exonuclease 1	Exo1	305000	1,33	down
6100581	7108122	1147390	exonuclease 1	Exo1	305000	1,21	down
6303091	7108122	1147394	exonuclease 1	Exo1	305000	1,20	down
5803188	7108122	1147401	exonuclease 1	Exo1	305000	1,14	up
6124709	7108122	1147399	exonuclease 1	Exo1	305000	1,13	up
6357440	7108122	1147398	exonuclease 1	Exo1	305000	1,09	up
5901575	7108122	1147392	exonuclease 1	Exo1	305000	1,07	down
6426185	7108122	1147393	exonuclease 1	Exo1	305000	1,05	down
5652395	7108122	1147387	exonuclease 1	Exo1	305000	1,04	up
5909459	7108122	1147388	exonuclease 1	Exo1	305000	1,04	down
5831968	7108122	1147401	exonuclease 1	Exo1	305000	1,01	down
6123128	7108122	1147394	exonuclease 1	Exo1	305000	1,01	down
5814237	7138580	1222484	exportin 4	Xpo4	290280	2,53	down
5865705	7138580	1222491	exportin 4	Xpo4	290280	1,53	up
5627633	7138580	1222473	exportin 4	Xpo4	290280	1,50	up
5814077	7138580	1222481	exportin 4	Xpo4	290280	1,37	down
6650087	7138580	1222493	exportin 4	Xpo4	290280	1,37	up
6334662	7138580	1222475	exportin 4	Xpo4	290280	1,34	up
5728703	7138580	1222485	exportin 4	Xpo4	290280	1,29	up
6090420	7138580	1222498	exportin 4	Xpo4	290280	1,29	up
6158985	7138580	1222504	exportin 4	Xpo4	290280	1,25	up
5789336	7138580	1222502	exportin 4	Xpo4	290280	1,25	up
6179438	7138580	1222478	exportin 4	Xpo4	290280	1,24	up
6466087	7138580	1222476	exportin 4	Xpo4	290280	1,23	up
5640005	7138580	1222483	exportin 4	Xpo4	290280	1,22	down
5708407	7138580	1222488	exportin 4	Xpo4	290280	1,20	up
6505031	7138580	1222506	exportin 4	Xpo4	290280	1,19	down
6036564	7138580	1222500	exportin 4	Xpo4	290280	1,18	up
6236744	7138580	1222477	exportin 4	Xpo4	290280	1,18	down
6635343	7138580	1222480	exportin 4	Xpo4	290280	1,17	up
6579143	7138580	1222507	exportin 4	Xpo4	290280	1,14	up
5800613	7138580	1222492	exportin 4	Xpo4	290280	1,13	up
6244103	7138580	1222486	exportin 4	Xpo4	290280	1,13	up
6469551	7138580	1222496	exportin 4	Xpo4	290280	1,12	up
6550802	7138580	1222481	exportin 4	Xpo4	290280	1,10	down
5695847	7138580	1222474	exportin 4	Xpo4	290280	1,05	up
6621917	7138580	1222494	exportin 4	Xpo4	290280	1,05	down
6162306	7138580	1222499	exportin 4	Xpo4	290280	1,03	down
6061673	7138580	1222478	exportin 4	Xpo4	290280	1,01	down
6236194	7138580	1222499	exportin 4	Xpo4	290280	1,01	down
6005342	7138580	1222487	exportin 4	Xpo4	290280	1,01	up
6571502	7138580	1222482	exportin 4	Xpo4	290280	1,01	down
5662102	7138580	1222495	exportin 4	Xpo4	290280	1,01	up
5647299	7138580	1222472	exportin 4	Xpo4	290280	1,00	down
6378791	7321029	1674802	extra spindle poles like 1 (<i>S. cerevisiae</i>)	Espl1	315330	1,16	up
5744745	7321029	1674833	extra spindle poles like 1 (<i>S. cerevisiae</i>)	Espl1	315330	1,15	up
6711053	7046271	1001495	ezrin	Ezr	54319	2,44	down
6196438	7046271	1001495	ezrin	Ezr	54319	2,08	down
6693990	7046271	1001490	ezrin	Ezr	54319	1,55	up
5964755	7046271	1001492	ezrin	Ezr	54319	1,53	up
6232116	7046271	1001485	ezrin	Ezr	54319	1,50	down
6014334	7046271	1001486	ezrin	Ezr	54319	1,39	down
5998117	7046271	1001488	ezrin	Ezr	54319	1,35	down
5627004	7046271	1001494	ezrin	Ezr	54319	1,22	down
5980531	7046271	1001484	ezrin	Ezr	54319	1,22	up
6223958	7046271	1001493	ezrin	Ezr	54319	1,16	up
6011763	7046271	1001491	ezrin	Ezr	54319	1,09	down

6639910	7046271	1001483	ezrin	Ezr	54319	1,06	down
6215634	7046271	1001487	ezrin	Ezr	54319	1,06	up
6358476	7046271	1001482	ezrin	Ezr	54319	1,03	up
6077667	7046271	1001489	ezrin	Ezr	54319	1,02	up
5895686	7073731	1065331	family with sequence similarity 100, member B	Fam100b	287840	2,38	up
6487009	7073731	1065333	family with sequence similarity 100, member B	Fam100b	287840	1,44	up
6110898	7073731	1065333	family with sequence similarity 100, member B	Fam100b	287840	1,18	down
6706117	7073731	1065330	family with sequence similarity 100, member B	Fam100b	287840	1,16	down
6350902	7079887	1079288	family with sequence similarity 101, member B	Fam101b	287534	2,39	down
6029108	7079887	1079286	family with sequence similarity 101, member B	Fam101b	287534	2,29	down
6127903	7079887	1079287	family with sequence similarity 101, member B	Fam101b	287534	1,21	up
5758205	7079887	1079286	family with sequence similarity 101, member B	Fam101b	287534	1,13	up
6291784	7079887	1079288	family with sequence similarity 101, member B	Fam101b	287534	1,09	up
6262175	7084176	1089016	family with sequence similarity 104, member A	Fam104a	619573	2,60	up
6592137	7084176	1089012	family with sequence similarity 104, member A	Fam104a	619573	1,25	up
6679029	7084176	1089012	family with sequence similarity 104, member A	Fam104a	619573	1,23	up
6226890	7084176	1089012	family with sequence similarity 104, member A	Fam104a	619573	1,19	down
6434541	7084176	1089015	family with sequence similarity 104, member A	Fam104a	619573	1,02	down
6673019	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	2,33	down
6413748	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	1,39	down
6646597	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	1,27	up
5918365	7053878	1018354	family with sequence similarity 108, member C1	Fam108c1	361601	1,26	up
6350288	7053878	1018354	family with sequence similarity 108, member C1	Fam108c1	361601	1,18	up
5734047	7053878	1018355	family with sequence similarity 108, member C1	Fam108c1	361601	1,09	up
5955296	7053878	1018369	family with sequence similarity 108, member C1	Fam108c1	361601	1,08	down
6242960	7053878	1018368	family with sequence similarity 108, member C1	Fam108c1	361601	1,02	up
6515789	7264274	1533165	family with sequence similarity 115, member C	Fam115c	680422	1,49	down
5972462	7264274	1533164	family with sequence similarity 115, member C	Fam115c	680422	1,40	down
6050409	7319486	1670934	family with sequence similarity 118, member A	Fam118a	300120	3,02	up
6391434	7319486	1670933	family with sequence similarity 118, member A	Fam118a	300120	2,03	up
5723025	7319486	1670941	family with sequence similarity 118, member A	Fam118a	300120	1,90	down
5859105	7319486	1670943	family with sequence similarity 118, member A	Fam118a	300120	1,33	down
5789308	7319486	1670938	family with sequence similarity 118, member A	Fam118a	300120	1,32	up
6399433	7319486	1670937	family with sequence similarity 118, member A	Fam118a	300120	1,12	down
5853934	7319486	1670936	family with sequence similarity 118, member A	Fam118a	300120	1,09	down
6663765	7319486	1670940	family with sequence similarity 118, member A	Fam118a	300120	1,06	up
6034000	7027797	956277	family with sequence similarity 120B	Fam120b	308218	2,06	up
6685914	7027797	956311	family with sequence similarity 120B	Fam120b	308218	1,77	down
5628281	7027797	956311	family with sequence similarity 120B	Fam120b	308218	1,67	down
5984800	7027797	956286	family with sequence similarity 120B	Fam120b	308218	1,56	down
6253550	7027797	956277	family with sequence similarity 120B	Fam120b	308218	1,47	up
5955088	7027797	956309	family with sequence similarity 120B	Fam120b	308218	1,45	up
6029453	7027797	956279	family with sequence similarity 120B	Fam120b	308218	1,35	up
6166177	7027797	956311	family with sequence similarity 120B	Fam120b	308218	1,28	down
6448383	7027797	956304	family with sequence similarity 120B	Fam120b	308218	1,27	up
5754832	7027797	956297	family with sequence similarity 120B	Fam120b	308218	1,22	down
6691266	7027797	956277	family with sequence similarity 120B	Fam120b	308218	1,20	up
5975472	7027797	956297	family with sequence similarity 120B	Fam120b	308218	1,20	down
6557317	7027797	956278	family with sequence similarity 120B	Fam120b	308218	1,20	up
5647247	7027797	956303	family with sequence similarity 120B	Fam120b	308218	1,20	down
5646655	7027797	956285	family with sequence similarity 120B	Fam120b	308218	1,17	up
6074497	7027797	956278	family with sequence similarity 120B	Fam120b	308218	1,06	up
6443764	7027797	956300	family with sequence similarity 120B	Fam120b	308218	1,01	down
5970171	7353284	1752977	family with sequence similarity 123C	Fam123c	501122	1,55	down
6060278	7144064	1236123	family with sequence similarity 125, member A	Fam125a	290635	2,15	down
5958481	7144064	1236124	family with sequence similarity 125, member A	Fam125a	290635	1,21	up
6538183	7144064	1236129	family with sequence similarity 125, member A	Fam125a	290635	1,21	down

5892496	7144064	1236125	family with sequence similarity 125, member A	Fam125a	290635	1,15	up
6404272	7144064	1236126	family with sequence similarity 125, member A	Fam125a	290635	1,15	down
6578680	7144064	1236130	family with sequence similarity 125, member A	Fam125a	290635	1,13	down
5802130	7144064	1236123	family with sequence similarity 125, member A	Fam125a	290635	1,12	down
6608535	7144064	1236131	family with sequence similarity 125, member A	Fam125a	290635	1,08	up
6619527	7144064	1236128	family with sequence similarity 125, member A	Fam125a	290635	1,06	down
6467741	7144064	1236132	family with sequence similarity 125, member A	Fam125a	290635	1,06	up
6612755	7144064	1236127	family with sequence similarity 125, member A	Fam125a	290635	1,03	down
5637412	7226301	1438088	family with sequence similarity 129, member B	Fam129b	362115	1,96	down
6350865	7226301	1438084	family with sequence similarity 129, member B	Fam129b	362115	1,46	up
6557675	7226301	1438071	family with sequence similarity 129, member B	Fam129b	362115	1,43	up
6269685	7226301	1438087	family with sequence similarity 129, member B	Fam129b	362115	1,38	up
5846382	7226301	1438094	family with sequence similarity 129, member B	Fam129b	362115	1,31	down
6037358	7226301	1438083	family with sequence similarity 129, member B	Fam129b	362115	1,30	up
6121811	7226301	1438089	family with sequence similarity 129, member B	Fam129b	362115	1,26	down
6105731	7226301	1438082	family with sequence similarity 129, member B	Fam129b	362115	1,16	down
5646268	7226301	1438092	family with sequence similarity 129, member B	Fam129b	362115	1,14	up
6456884	7226301	1438093	family with sequence similarity 129, member B	Fam129b	362115	1,12	down
6648798	7226301	1438081	family with sequence similarity 129, member B	Fam129b	362115	1,10	down
5806211	7226301	1438095	family with sequence similarity 129, member B	Fam129b	362115	1,10	down
6438391	7226301	1438091	family with sequence similarity 129, member B	Fam129b	362115	1,07	down
6280408	7226301	1438090	family with sequence similarity 129, member B	Fam129b	362115	1,03	up
5970134	7226301	1438095	family with sequence similarity 129, member B	Fam129b	362115	1,01	up
6468125	7265259	1535449	family with sequence similarity 13, member A1	Fam13a1	362378	2,05	up
5685013	7265259	1535465	family with sequence similarity 13, member A1	Fam13a1	362378	1,72	up
5869013	7265259	1535461	family with sequence similarity 13, member A1	Fam13a1	362378	1,58	down
5634267	7265259	1535458	family with sequence similarity 13, member A1	Fam13a1	362378	1,49	up
6358265	7265259	1535459	family with sequence similarity 13, member A1	Fam13a1	362378	1,40	down
6707068	7265259	1535451	family with sequence similarity 13, member A1	Fam13a1	362378	1,39	down
6400993	7265259	1535457	family with sequence similarity 13, member A1	Fam13a1	362378	1,24	up
6692468	7265259	1535438	family with sequence similarity 13, member A1	Fam13a1	362378	1,11	down
6071666	7265259	1535456	family with sequence similarity 13, member A1	Fam13a1	362378	1,08	down
6498203	7265259	1535468	family with sequence similarity 13, member A1	Fam13a1	362378	1,02	up
6267937	7278029	1568167	family with sequence similarity 151, member A	Fam151a	313430	2,18	up
5677659	7278029	1568161	family with sequence similarity 151, member A	Fam151a	313430	1,23	down
6708024	7278029	1568162	family with sequence similarity 151, member A	Fam151a	313430	1,19	down
6102659	7278029	1568165	family with sequence similarity 151, member A	Fam151a	313430	1,17	down
6194790	7278029	1568164	family with sequence similarity 151, member A	Fam151a	313430	1,17	up
6125289	7278029	1568166	family with sequence similarity 151, member A	Fam151a	313430	1,12	up
5917912	7278029	1568159	family with sequence similarity 151, member A	Fam151a	313430	1,09	down
6055715	7278029	1568160	family with sequence similarity 151, member A	Fam151a	313430	1,05	down
5892740	7278029	1568165	family with sequence similarity 151, member A	Fam151a	313430	1,04	up
6158027	7278029	1568163	family with sequence similarity 151, member A	Fam151a	313430	1,01	down
5666079	7043515	994003	family with sequence similarity 160, member B1	Fam160b1	361774	1,21	up
6518233	7043515	994003	family with sequence similarity 160, member B1	Fam160b1	361774	1,21	down
6117857	7043515	994019	family with sequence similarity 160, member B1	Fam160b1	361774	1,10	down
6181989	7139824	1225332	family with sequence similarity 160, member B2	Fam160b2	306015	1,85	up
6077150	7139824	1225317	family with sequence similarity 160, member B2	Fam160b2	306015	1,47	up
5635951	7139824	1225318	family with sequence similarity 160, member B2	Fam160b2	306015	1,44	down
5792270	7139824	1225321	family with sequence similarity 160, member B2	Fam160b2	306015	1,42	down
6309467	7139824	1225317	family with sequence similarity 160, member B2	Fam160b2	306015	1,30	up
6512813	7139824	1225326	family with sequence similarity 160, member B2	Fam160b2	306015	1,29	down
6225189	7139824	1225330	family with sequence similarity 160, member B2	Fam160b2	306015	1,26	up
6006856	7139824	1225322	family with sequence similarity 160, member B2	Fam160b2	306015	1,22	down
5808044	7139824	1225329	family with sequence similarity 160, member B2	Fam160b2	306015	1,17	up
5686944	7139824	1225328	family with sequence similarity 160, member B2	Fam160b2	306015	1,14	up
5925352	7139824	1225319	family with sequence similarity 160, member B2	Fam160b2	306015	1,14	up

6145719	7139824	1225329	family with sequence similarity 160, member B2	Fam160b2	306015	1,14	up
6181842	7139824	1225323	family with sequence similarity 160, member B2	Fam160b2	306015	1,13	up
6508801	7139824	1225324	family with sequence similarity 160, member B2	Fam160b2	306015	1,08	down
5856682	7139824	1225325	family with sequence similarity 160, member B2	Fam160b2	306015	1,06	down
6579970	7139824	1225319	family with sequence similarity 160, member B2	Fam160b2	306015	1,05	up
6146847	7139824	1225327	family with sequence similarity 160, member B2	Fam160b2	306015	1,02	down
5710925	7139824	1225320	family with sequence similarity 160, member B2	Fam160b2	306015	1,01	up
5942352	7139824	1225320	family with sequence similarity 160, member B2	Fam160b2	306015	1,00	up
6172499	7303777	1631901	family with sequence similarity 179, member A	Fam179a	313892	1,05	down
5893337	7263652	1531632	family with sequence similarity 180, member A	Fam180a	362336	2,02	down
6477568	7263652	1531642	family with sequence similarity 180, member A	Fam180a	362336	1,05	up
5808024	7263652	1531642	family with sequence similarity 180, member A	Fam180a	362336	1,04	up
6134898	7263652	1531630	family with sequence similarity 180, member A	Fam180a	362336	1,02	down
6378858	7263652	1531642	family with sequence similarity 180, member A	Fam180a	362336	1,01	down
5815241	7263652	1531630	family with sequence similarity 180, member A	Fam180a	362336	1,00	up
6282056	7257651	1516921	family with sequence similarity 21, member C	Fam21c	297530	2,67	down
5818915	7257651	1516917	family with sequence similarity 21, member C	Fam21c	297530	1,55	down
6311587	7257651	1516897	family with sequence similarity 21, member C	Fam21c	297530	1,53	down
6564098	7257651	1516903	family with sequence similarity 21, member C	Fam21c	297530	1,44	up
6014301	7257651	1516915	family with sequence similarity 21, member C	Fam21c	297530	1,41	down
6406524	7257651	1516909	family with sequence similarity 21, member C	Fam21c	297530	1,41	up
5835563	7257651	1516920	family with sequence similarity 21, member C	Fam21c	297530	1,37	up
6048124	7257651	1516925	family with sequence similarity 21, member C	Fam21c	297530	1,33	down
6620923	7257651	1516908	family with sequence similarity 21, member C	Fam21c	297530	1,28	down
6103035	7257651	1516923	family with sequence similarity 21, member C	Fam21c	297530	1,26	up
5649463	7257651	1516924	family with sequence similarity 21, member C	Fam21c	297530	1,24	up
6084904	7257651	1516926	family with sequence similarity 21, member C	Fam21c	297530	1,24	down
6592024	7257651	1516924	family with sequence similarity 21, member C	Fam21c	297530	1,23	up
6124968	7257651	1516907	family with sequence similarity 21, member C	Fam21c	297530	1,23	up
5768624	7257651	1516898	family with sequence similarity 21, member C	Fam21c	297530	1,20	down
5930165	7257651	1516923	family with sequence similarity 21, member C	Fam21c	297530	1,20	down
6093580	7257651	1516904	family with sequence similarity 21, member C	Fam21c	297530	1,20	up
6707628	7257651	1516906	family with sequence similarity 21, member C	Fam21c	297530	1,19	down
5740090	7257651	1516916	family with sequence similarity 21, member C	Fam21c	297530	1,19	up
6022095	7257651	1516901	family with sequence similarity 21, member C	Fam21c	297530	1,18	up
6040870	7257651	1516900	family with sequence similarity 21, member C	Fam21c	297530	1,18	down
5946819	7257651	1516913	family with sequence similarity 21, member C	Fam21c	297530	1,17	down
5756653	7257651	1516905	family with sequence similarity 21, member C	Fam21c	297530	1,16	up
6509136	7257651	1516917	family with sequence similarity 21, member C	Fam21c	297530	1,11	up
5677657	7257651	1516902	family with sequence similarity 21, member C	Fam21c	297530	1,10	up
5961133	7257651	1516914	family with sequence similarity 21, member C	Fam21c	297530	1,09	down
5774720	7257651	1516899	family with sequence similarity 21, member C	Fam21c	297530	1,08	down
6435532	7257651	1516911	family with sequence similarity 21, member C	Fam21c	297530	1,08	down
6542546	7257651	1516912	family with sequence similarity 21, member C	Fam21c	297530	1,07	up
5773451	7257651	1516923	family with sequence similarity 21, member C	Fam21c	297530	1,07	up
6347811	7257651	1516922	family with sequence similarity 21, member C	Fam21c	297530	1,04	up
6393255	7257651	1516919	family with sequence similarity 21, member C	Fam21c	297530	1,03	down
6383676	7257651	1516918	family with sequence similarity 21, member C	Fam21c	297530	1,02	down
6280145	7257651	1516910	family with sequence similarity 21, member C	Fam21c	297530	1,02	up
6473143	7288284	1592654	family with sequence similarity 29, member A	Fam29a	366403	2,05	up
6651363	7288284	1592669	family with sequence similarity 29, member A	Fam29a	366403	1,61	up
5975073	7288284	1592668	family with sequence similarity 29, member A	Fam29a	366403	1,49	down
5982886	7288284	1592666	family with sequence similarity 29, member A	Fam29a	366403	1,42	up
5771986	7288284	1592660	family with sequence similarity 29, member A	Fam29a	366403	1,33	up
5847929	7288284	1592657	family with sequence similarity 29, member A	Fam29a	366403	1,33	up
6736707	7288284	1592667	family with sequence similarity 29, member A	Fam29a	366403	1,31	up
5769161	7288284	1592663	family with sequence similarity 29, member A	Fam29a	366403	1,23	down

6529613	7288284	1592652	family with sequence similarity 29, member A	Fam29a	366403	1,18	up
6166972	7288284	1592648	family with sequence similarity 29, member A	Fam29a	366403	1,14	up
6543272	7288284	1592648	family with sequence similarity 29, member A	Fam29a	366403	1,13	up
6040553	7288284	1592662	family with sequence similarity 29, member A	Fam29a	366403	1,11	up
5769177	7288284	1592655	family with sequence similarity 29, member A	Fam29a	366403	1,08	down
6722504	7288284	1592654	family with sequence similarity 29, member A	Fam29a	366403	1,07	down
6710458	7288284	1592661	family with sequence similarity 29, member A	Fam29a	366403	1,07	down
6085924	7288284	1592656	family with sequence similarity 29, member A	Fam29a	366403	1,03	down
5804081	7288284	1592658	family with sequence similarity 29, member A	Fam29a	366403	1,02	down
6304507	7288284	1592669	family with sequence similarity 29, member A	Fam29a	366403	1,02	down
6176425	7288284	1592653	family with sequence similarity 29, member A	Fam29a	366403	1,01	down
6435571	7186305	1341033	family with sequence similarity 38, member A	Fam38a	361430	3,28	up
5983257	7186305	1341024	family with sequence similarity 38, member A	Fam38a	361430	2,63	up
5921878	7186305	1341025	family with sequence similarity 38, member A	Fam38a	361430	2,53	up
6113456	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	2,08	up
5904510	7186305	1341034	family with sequence similarity 38, member A	Fam38a	361430	1,97	up
5936354	7186305	1341030	family with sequence similarity 38, member A	Fam38a	361430	1,94	up
5643889	7186305	1341026	family with sequence similarity 38, member A	Fam38a	361430	1,75	up
6366856	7186305	1341028	family with sequence similarity 38, member A	Fam38a	361430	1,74	up
6254469	7186305	1341019	family with sequence similarity 38, member A	Fam38a	361430	1,54	up
6224105	7186305	1341010	family with sequence similarity 38, member A	Fam38a	361430	1,50	up
5717490	7186305	1341014	family with sequence similarity 38, member A	Fam38a	361430	1,49	up
6535303	7186305	1341013	family with sequence similarity 38, member A	Fam38a	361430	1,44	down
6727258	7186305	1341031	family with sequence similarity 38, member A	Fam38a	361430	1,41	down
6026242	7186305	1341012	family with sequence similarity 38, member A	Fam38a	361430	1,41	up
6455989	7186305	1341011	family with sequence similarity 38, member A	Fam38a	361430	1,39	up
6592713	7186305	1341035	family with sequence similarity 38, member A	Fam38a	361430	1,39	up
5842430	7186305	1341029	family with sequence similarity 38, member A	Fam38a	361430	1,31	up
6554457	7186305	1341004	family with sequence similarity 38, member A	Fam38a	361430	1,30	up
6224494	7186305	1341032	family with sequence similarity 38, member A	Fam38a	361430	1,26	up
6361095	7186305	1341022	family with sequence similarity 38, member A	Fam38a	361430	1,25	up
6442497	7186305	1341009	family with sequence similarity 38, member A	Fam38a	361430	1,23	up
5996057	7186305	1341027	family with sequence similarity 38, member A	Fam38a	361430	1,20	down
6402612	7186305	1341000	family with sequence similarity 38, member A	Fam38a	361430	1,19	down
6728670	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,18	down
6679579	7186305	1341008	family with sequence similarity 38, member A	Fam38a	361430	1,17	up
5904210	7186305	1341005	family with sequence similarity 38, member A	Fam38a	361430	1,14	down
6367621	7186305	1341001	family with sequence similarity 38, member A	Fam38a	361430	1,14	down
5982484	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,13	down
5920884	7186305	1341017	family with sequence similarity 38, member A	Fam38a	361430	1,13	up
6388338	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,11	up
6164727	7186305	1341023	family with sequence similarity 38, member A	Fam38a	361430	1,09	down
5788053	7186305	1341009	family with sequence similarity 38, member A	Fam38a	361430	1,09	down
6040124	7186305	1341031	family with sequence similarity 38, member A	Fam38a	361430	1,08	down
5956434	7186305	1341020	family with sequence similarity 38, member A	Fam38a	361430	1,06	up
6741557	7186305	1341016	family with sequence similarity 38, member A	Fam38a	361430	1,05	down
5696497	7186305	1341018	family with sequence similarity 38, member A	Fam38a	361430	1,05	up
5851283	7186305	1341007	family with sequence similarity 38, member A	Fam38a	361430	1,04	down
6419363	7186305	1341002	family with sequence similarity 38, member A	Fam38a	361430	1,04	down
5625040	7186305	1341021	family with sequence similarity 38, member A	Fam38a	361430	1,03	up
6155431	7186305	1341006	family with sequence similarity 38, member A	Fam38a	361430	1,02	down
5858217	7212587	1404634	family with sequence similarity 40, member A	Fam40a	362012	1,26	up
6575573	7212587	1404638	family with sequence similarity 40, member A	Fam40a	362012	1,22	up
5983826	7212587	1404634	family with sequence similarity 40, member A	Fam40a	362012	1,11	down
5910418	7212587	1404636	family with sequence similarity 40, member A	Fam40a	362012	1,08	up
5784576	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	2,00	down
6557059	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,79	up

5635527	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,51	down
6018581	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,29	down
5827575	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,24	down
6292534	7094346	1113394	family with sequence similarity 43, member A	Fam43a	288031	1,01	down
5937107	7251998	1502402	family with sequence similarity 71, member F1	Fam71f1	500061	2,24	up
6248004	7251998	1502401	family with sequence similarity 71, member F1	Fam71f1	500061	1,54	down
5762240	7251998	1502400	family with sequence similarity 71, member F1	Fam71f1	500061	1,52	down
5795743	7251998	1502405	family with sequence similarity 71, member F1	Fam71f1	500061	1,14	down
6544820	7251998	1502399	family with sequence similarity 71, member F1	Fam71f1	500061	1,12	up
6216405	7251998	1502403	family with sequence similarity 71, member F1	Fam71f1	500061	1,09	up
6128858	7251998	1502400	family with sequence similarity 71, member F1	Fam71f1	500061	1,08	up
6661544	7251998	1502400	family with sequence similarity 71, member F1	Fam71f1	500061	1,07	up
5812239	7251998	1502401	family with sequence similarity 71, member F1	Fam71f1	500061	1,03	down
6039660	7251998	1502400	family with sequence similarity 71, member F1	Fam71f1	500061	1,02	down
5825845	7251998	1502404	family with sequence similarity 71, member F1	Fam71f1	500061	1,01	up
6189380	7332989	1702612	family with sequence similarity 76, member B	Fam76b	367021	2,42	up
6560702	7332989	1702605	family with sequence similarity 76, member B	Fam76b	367021	1,72	up
5921938	7332989	1702604	family with sequence similarity 76, member B	Fam76b	367021	1,36	up
6231656	7332989	1702608	family with sequence similarity 76, member B	Fam76b	367021	1,35	down
6209115	7332989	1702609	family with sequence similarity 76, member B	Fam76b	367021	1,31	down
5901254	7332989	1702606	family with sequence similarity 76, member B	Fam76b	367021	1,30	up
6308727	7332989	1702607	family with sequence similarity 76, member B	Fam76b	367021	1,29	up
6667023	7332989	1702613	family with sequence similarity 76, member B	Fam76b	367021	1,28	down
6044429	7332989	1702603	family with sequence similarity 76, member B	Fam76b	367021	1,25	up
6014162	7332989	1702610	family with sequence similarity 76, member B	Fam76b	367021	1,21	up
5807711	7332989	1702606	family with sequence similarity 76, member B	Fam76b	367021	1,19	down
6460783	7332989	1702607	family with sequence similarity 76, member B	Fam76b	367021	1,15	up
6199360	7332989	1702603	family with sequence similarity 76, member B	Fam76b	367021	1,13	up
5969668	7332989	1702615	family with sequence similarity 76, member B	Fam76b	367021	1,12	up
6666647	7332989	1702615	family with sequence similarity 76, member B	Fam76b	367021	1,08	up
6351273	7332989	1702614	family with sequence similarity 76, member B	Fam76b	367021	1,03	up
6681570	7332989	1702607	family with sequence similarity 76, member B	Fam76b	367021	1,02	up
6687656	7065094	1044112	family with sequence similarity 86, member A	Fam86a	302931	2,03	down
6580128	7065094	1044115	family with sequence similarity 86, member A	Fam86a	302931	1,73	up
5677519	7065094	1044110	family with sequence similarity 86, member A	Fam86a	302931	1,22	up
6242687	7065094	1044108	family with sequence similarity 86, member A	Fam86a	302931	1,21	down
6033741	7065094	1044109	family with sequence similarity 86, member A	Fam86a	302931	1,20	up
6269799	7065094	1044111	family with sequence similarity 86, member A	Fam86a	302931	1,17	down
5752027	7065094	1044114	family with sequence similarity 86, member A	Fam86a	302931	1,16	down
5927667	7065094	1044107	family with sequence similarity 86, member A	Fam86a	302931	1,07	up
6465228	7186443	1341290	Fanconi anemia, complementation group A	Fanca	361435	2,26	up
6671238	7186443	1341313	Fanconi anemia, complementation group A	Fanca	361435	1,98	up
5985763	7186443	1341278	Fanconi anemia, complementation group A	Fanca	361435	1,78	down
6651042	7186443	1341278	Fanconi anemia, complementation group A	Fanca	361435	1,74	down
6366004	7186443	1341271	Fanconi anemia, complementation group A	Fanca	361435	1,72	down
6011116	7186443	1341298	Fanconi anemia, complementation group A	Fanca	361435	1,68	up
6592061	7186443	1341307	Fanconi anemia, complementation group A	Fanca	361435	1,63	down
6260940	7186443	1341299	Fanconi anemia, complementation group A	Fanca	361435	1,63	down
5799785	7186443	1341302	Fanconi anemia, complementation group A	Fanca	361435	1,60	down
6349613	7186443	1341306	Fanconi anemia, complementation group A	Fanca	361435	1,57	down
6239861	7186443	1341282	Fanconi anemia, complementation group A	Fanca	361435	1,46	up
6202203	7186443	1341277	Fanconi anemia, complementation group A	Fanca	361435	1,39	down
5737021	7186443	1341304	Fanconi anemia, complementation group A	Fanca	361435	1,37	down
6496957	7186443	1341309	Fanconi anemia, complementation group A	Fanca	361435	1,35	down
6102258	7186443	1341290	Fanconi anemia, complementation group A	Fanca	361435	1,34	up
5787128	7186443	1341279	Fanconi anemia, complementation group A	Fanca	361435	1,31	up
6590967	7186443	1341287	Fanconi anemia, complementation group A	Fanca	361435	1,28	down

5751674	7186443	1341275	Fanconi anemia, complementation group A	Fanca	361435	1,25	down
5770230	7186443	1341276	Fanconi anemia, complementation group A	Fanca	361435	1,25	down
6621055	7186443	1341305	Fanconi anemia, complementation group A	Fanca	361435	1,22	down
6647863	7186443	1341286	Fanconi anemia, complementation group A	Fanca	361435	1,19	up
6044000	7186443	1341308	Fanconi anemia, complementation group A	Fanca	361435	1,18	up
5698793	7186443	1341315	Fanconi anemia, complementation group A	Fanca	361435	1,17	down
5972464	7186443	1341303	Fanconi anemia, complementation group A	Fanca	361435	1,16	down
5823398	7186443	1341274	Fanconi anemia, complementation group A	Fanca	361435	1,15	up
5849492	7186443	1341295	Fanconi anemia, complementation group A	Fanca	361435	1,12	down
6339541	7186443	1341273	Fanconi anemia, complementation group A	Fanca	361435	1,10	up
6621210	7186443	1341292	Fanconi anemia, complementation group A	Fanca	361435	1,07	down
5630601	7186443	1341270	Fanconi anemia, complementation group A	Fanca	361435	1,06	up
6575253	7186443	1341312	Fanconi anemia, complementation group A	Fanca	361435	1,05	down
6063886	7186443	1341284	Fanconi anemia, complementation group A	Fanca	361435	1,04	up
5851028	7186443	1341313	Fanconi anemia, complementation group A	Fanca	361435	1,04	up
5882296	7186443	1341276	Fanconi anemia, complementation group A	Fanca	361435	1,04	up
6346839	7186443	1341300	Fanconi anemia, complementation group A	Fanca	361435	1,04	up
6709719	7186443	1341289	Fanconi anemia, complementation group A	Fanca	361435	1,03	up
6021991	7186443	1341288	Fanconi anemia, complementation group A	Fanca	361435	1,03	up
6064289	7186443	1341285	Fanconi anemia, complementation group A	Fanca	361435	1,03	down
6447225	7186443	1341272	Fanconi anemia, complementation group A	Fanca	361435	1,02	up
5717841	7186443	1341268	Fanconi anemia, complementation group A	Fanca	361435	1,01	up
6715948	7186443	1341314	Fanconi anemia, complementation group A	Fanca	361435	1,01	up
6133991	7186443	1341283	Fanconi anemia, complementation group A	Fanca	361435	1,01	down
6392368	7186443	1341269	Fanconi anemia, complementation group A	Fanca	361435	1,01	up
5987774	7299527	1620594	farnesyltransferase, CAAX box, beta	Fntb	64511	2,01	up
6277294	7299527	1620595	farnesyltransferase, CAAX box, beta	Fntb	64511	1,28	down
6391140	7299527	1620603	farnesyltransferase, CAAX box, beta	Fntb	64511	1,28	up
6492956	7299527	1620602	farnesyltransferase, CAAX box, beta	Fntb	64511	1,27	down
6045607	7299527	1620599	farnesyltransferase, CAAX box, beta	Fntb	64511	1,26	down
6479694	7299527	1620604	farnesyltransferase, CAAX box, beta	Fntb	64511	1,16	down
5682969	7299527	1620601	farnesyltransferase, CAAX box, beta	Fntb	64511	1,13	down
5845013	7299527	1620596	farnesyltransferase, CAAX box, beta	Fntb	64511	1,12	up
5934084	7299527	1620600	farnesyltransferase, CAAX box, beta	Fntb	64511	1,10	up
5747992	7299527	1620593	farnesyltransferase, CAAX box, beta	Fntb	64511	1,09	down
6280649	7299527	1620598	farnesyltransferase, CAAX box, beta	Fntb	64511	1,08	down
5929049	7299527	1620592	farnesyltransferase, CAAX box, beta	Fntb	64511	1,04	up
5908773	7299527	1620597	farnesyltransferase, CAAX box, beta	Fntb	64511	1,03	up
5709847	7041442	989067	Fas (TNF receptor superfamily, member 6)	Fas	246097	3,95	up
6202358	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	3,36	down
5951208	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	2,29	down
6240655	7041442	989069	Fas (TNF receptor superfamily, member 6)	Fas	246097	2,05	down
6076806	7041442	989066	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,98	down
6178910	7041442	989068	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,62	up
6250592	7041442	989062	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,61	up
6300034	7041442	989068	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,58	up
6408797	7041442	989061	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,57	up
5766843	7041442	989064	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,48	up
6742193	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,27	up
6175052	7041442	989065	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,20	up
6574573	7041442	989070	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,16	down
5830281	7041442	989063	Fas (TNF receptor superfamily, member 6)	Fas	246097	1,13	down
5747707	7059249	1029753	Fas (TNFRSF6)-associated via death domain	Fadd	266610	2,01	down
6021430	7059249	1029752	Fas (TNFRSF6)-associated via death domain	Fadd	266610	1,30	down
6029932	7059249	1029751	Fas (TNFRSF6)-associated via death domain	Fadd	266610	1,29	down
5912775	7059249	1029752	Fas (TNFRSF6)-associated via death domain	Fadd	266610	1,06	up
5650036	7355302	1758272	FAST kinase domains 2	Fastkd2	301463	2,33	up

6514477	7355302	1758269	FAST kinase domains 2	Fastkd2	301463	2,11	down
5940833	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,51	down
6643827	7355302	1758273	FAST kinase domains 2	Fastkd2	301463	1,44	down
6547550	7355302	1758271	FAST kinase domains 2	Fastkd2	301463	1,40	up
6096647	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,39	down
5715143	7355302	1758266	FAST kinase domains 2	Fastkd2	301463	1,38	down
6197292	7355302	1758267	FAST kinase domains 2	Fastkd2	301463	1,37	up
6391004	7355302	1758269	FAST kinase domains 2	Fastkd2	301463	1,37	up
6435081	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,26	down
6161488	7355302	1758274	FAST kinase domains 2	Fastkd2	301463	1,13	down
6556268	7355302	1758270	FAST kinase domains 2	Fastkd2	301463	1,13	down
6741960	7355302	1758268	FAST kinase domains 2	Fastkd2	301463	1,12	up
6068730	7355302	1758276	FAST kinase domains 2	Fastkd2	301463	1,07	up
6351768	7355302	1758275	FAST kinase domains 2	Fastkd2	301463	1,07	down
6373860	7355302	1758265	FAST kinase domains 2	Fastkd2	301463	1,04	down
5793123	7225291	1435297	F-box and WD repeat domain containing 5	Fbxw5	362081	1,19	down
6190773	7225291	1435296	F-box and WD repeat domain containing 5	Fbxw5	362081	1,19	down
6538531	7225291	1435298	F-box and WD repeat domain containing 5	Fbxw5	362081	1,16	down
5859063	7225291	1435295	F-box and WD repeat domain containing 5	Fbxw5	362081	1,14	down
6688880	7225291	1435298	F-box and WD repeat domain containing 5	Fbxw5	362081	1,12	down
6601959	7225291	1435294	F-box and WD repeat domain containing 5	Fbxw5	362081	1,08	down
6712649	7225291	1435294	F-box and WD repeat domain containing 5	Fbxw5	362081	1,08	down
5720244	7225291	1435295	F-box and WD repeat domain containing 5	Fbxw5	362081	1,07	down
5764427	7225291	1435295	F-box and WD repeat domain containing 5	Fbxw5	362081	1,04	up
5741531	7225291	1435295	F-box and WD repeat domain containing 5	Fbxw5	362081	1,02	up
6591298	7225291	1435293	F-box and WD repeat domain containing 5	Fbxw5	362081	1,01	up
6132313	7183927	1335498	F-box and WD repeat domain containing 9	Fbxw9	288921	2,18	up
6237771	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,63	down
6039125	7183927	1335499	F-box and WD repeat domain containing 9	Fbxw9	288921	1,58	down
6176820	7183927	1335499	F-box and WD repeat domain containing 9	Fbxw9	288921	1,57	up
5762312	7183927	1335500	F-box and WD repeat domain containing 9	Fbxw9	288921	1,27	up
6082430	7183927	1335505	F-box and WD repeat domain containing 9	Fbxw9	288921	1,19	up
6267986	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,18	down
6162667	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,16	down
5905806	7183927	1335498	F-box and WD repeat domain containing 9	Fbxw9	288921	1,12	down
6667295	7183927	1335498	F-box and WD repeat domain containing 9	Fbxw9	288921	1,12	down
5714753	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,09	down
5750361	7183927	1335501	F-box and WD repeat domain containing 9	Fbxw9	288921	1,08	up
5862876	7183927	1335499	F-box and WD repeat domain containing 9	Fbxw9	288921	1,02	down
6619010	7183927	1335501	F-box and WD repeat domain containing 9	Fbxw9	288921	1,01	down
6495839	7183927	1335497	F-box and WD repeat domain containing 9	Fbxw9	288921	1,01	up
5707727	7102708	1134322	F-box protein 21	Fbxo21	360818	2,35	up
6047440	7102708	1134322	F-box protein 21	Fbxo21	360818	1,71	down
5618422	7102708	1134310	F-box protein 21	Fbxo21	360818	1,48	up
5884052	7102708	1134312	F-box protein 21	Fbxo21	360818	1,29	up
6502145	7102708	1134308	F-box protein 21	Fbxo21	360818	1,25	up
5968091	7102708	1134318	F-box protein 21	Fbxo21	360818	1,24	down
6024880	7102708	1134304	F-box protein 21	Fbxo21	360818	1,23	down
6052289	7102708	1134311	F-box protein 21	Fbxo21	360818	1,18	down
6603211	7102708	1134307	F-box protein 21	Fbxo21	360818	1,16	down
6279842	7102708	1134321	F-box protein 21	Fbxo21	360818	1,12	down
5646560	7102708	1134304	F-box protein 21	Fbxo21	360818	1,10	down
5998686	7102708	1134305	F-box protein 21	Fbxo21	360818	1,09	up
6285918	7102708	1134314	F-box protein 21	Fbxo21	360818	1,06	up
6204802	7102708	1134315	F-box protein 21	Fbxo21	360818	1,01	down
6323697	7102708	1134320	F-box protein 21	Fbxo21	360818	1,00	down
5935008	7101094	1130223	F-box protein 24	Fbxo24	304374	1,70	down

5798959	7101094	1130214	F-box protein 24	Fbxo24	304374	1,60	down
6352888	7101094	1130223	F-box protein 24	Fbxo24	304374	1,32	down
6116650	7101094	1130215	F-box protein 24	Fbxo24	304374	1,29	up
5751373	7101094	1130217	F-box protein 24	Fbxo24	304374	1,22	up
6124705	7101094	1130220	F-box protein 24	Fbxo24	304374	1,19	down
6550901	7101094	1130216	F-box protein 24	Fbxo24	304374	1,18	up
6384302	7101094	1130226	F-box protein 24	Fbxo24	304374	1,16	up
6099391	7101094	1130219	F-box protein 24	Fbxo24	304374	1,12	down
6103349	7101094	1130223	F-box protein 24	Fbxo24	304374	1,10	down
6300581	7101094	1130221	F-box protein 24	Fbxo24	304374	1,10	up
5710347	7101094	1130224	F-box protein 24	Fbxo24	304374	1,09	down
6144707	7101094	1130213	F-box protein 24	Fbxo24	304374	1,07	down
5967843	7024951	948244	F-box protein 30	Fbxo30	308283	2,26	down
6635956	7024951	948246	F-box protein 30	Fbxo30	308283	1,24	up
5629636	7024951	948245	F-box protein 30	Fbxo30	308283	1,03	up
6153402	7024951	948247	F-box protein 30	Fbxo30	308283	1,01	down
5747230	7176409	1315693	F-box protein 38	Fbxo38	307390	2,54	up
6551879	7176409	1315669	F-box protein 38	Fbxo38	307390	1,58	up
5820820	7176409	1315687	F-box protein 38	Fbxo38	307390	1,47	down
5733765	7176409	1315672	F-box protein 38	Fbxo38	307390	1,42	down
6488043	7176409	1315671	F-box protein 38	Fbxo38	307390	1,34	up
5891516	7176409	1315668	F-box protein 38	Fbxo38	307390	1,30	up
6567821	7176409	1315673	F-box protein 38	Fbxo38	307390	1,26	down
6469431	7176409	1315689	F-box protein 38	Fbxo38	307390	1,22	up
6371581	7176409	1315680	F-box protein 38	Fbxo38	307390	1,21	up
5643441	7176409	1315681	F-box protein 38	Fbxo38	307390	1,20	down
5799231	7176409	1315678	F-box protein 38	Fbxo38	307390	1,19	down
6465880	7176409	1315679	F-box protein 38	Fbxo38	307390	1,19	down
6102822	7176409	1315686	F-box protein 38	Fbxo38	307390	1,19	up
6418362	7176409	1315668	F-box protein 38	Fbxo38	307390	1,11	up
6715225	7176409	1315677	F-box protein 38	Fbxo38	307390	1,10	up
5952592	7176409	1315690	F-box protein 38	Fbxo38	307390	1,09	up
6553004	7176409	1315683	F-box protein 38	Fbxo38	307390	1,05	down
5839133	7176409	1315670	F-box protein 38	Fbxo38	307390	1,04	up
6006804	7176409	1315674	F-box protein 38	Fbxo38	307390	1,04	up
5890411	7176409	1315682	F-box protein 38	Fbxo38	307390	1,04	down
6203039	7176409	1315688	F-box protein 38	Fbxo38	307390	1,04	up
6370146	7176409	1315691	F-box protein 38	Fbxo38	307390	1,04	down
6575680	7176409	1315677	F-box protein 38	Fbxo38	307390	1,02	up
5731153	7176409	1315685	F-box protein 38	Fbxo38	307390	1,02	down
6285085	7176409	1315684	F-box protein 38	Fbxo38	307390	1,01	up
6670126	7293040	1603869	F-box protein 6	Fbxo6	192351	2,51	down
5649826	7293040	1603864	F-box protein 6	Fbxo6	192351	1,33	down
6163246	7293040	1603865	F-box protein 6	Fbxo6	192351	1,32	up
6203962	7293040	1603866	F-box protein 6	Fbxo6	192351	1,26	up
6596212	7293040	1603867	F-box protein 6	Fbxo6	192351	1,25	down
6568322	7293040	1603868	F-box protein 6	Fbxo6	192351	1,12	up
5689589	7323057	1678760	F-box protein 7	Fbxo7	366854	2,11	down
6196362	7323057	1678751	F-box protein 7	Fbxo7	366854	1,83	down
5999359	7323057	1678752	F-box protein 7	Fbxo7	366854	1,81	down
5690124	7323057	1678752	F-box protein 7	Fbxo7	366854	1,22	up
6604576	7323057	1678751	F-box protein 7	Fbxo7	366854	1,21	down
6075152	7323057	1678754	F-box protein 7	Fbxo7	366854	1,19	up
6229576	7323057	1678753	F-box protein 7	Fbxo7	366854	1,19	up
6467229	7323057	1678756	F-box protein 7	Fbxo7	366854	1,10	up
5906818	7323057	1678752	F-box protein 7	Fbxo7	366854	1,07	down
5980187	7323057	1678759	F-box protein 7	Fbxo7	366854	1,07	up

6008588	7323057	1678757	F-box protein 7	Fbxo7	366854	1,06	up
6742076	7323057	1678755	F-box protein 7	Fbxo7	366854	1,06	up
6052354	7323057	1678752	F-box protein 7	Fbxo7	366854	1,05	up
5864210	7323057	1678752	F-box protein 7	Fbxo7	366854	1,03	up
5791139	7323057	1678758	F-box protein 7	Fbxo7	366854	1,01	down
6343648	7347783	1739660	f-box protein 9	Fbxo9	300849	2,36	up
5707187	7347783	1739649	f-box protein 9	Fbxo9	300849	1,95	up
6636665	7347783	1739661	f-box protein 9	Fbxo9	300849	1,59	down
5676485	7347783	1739661	f-box protein 9	Fbxo9	300849	1,38	up
6193057	7347783	1739648	f-box protein 9	Fbxo9	300849	1,35	up
5966713	7347783	1739658	f-box protein 9	Fbxo9	300849	1,32	down
6282971	7347783	1739648	f-box protein 9	Fbxo9	300849	1,29	up
5955788	7347783	1739649	f-box protein 9	Fbxo9	300849	1,28	up
6491210	7347783	1739652	f-box protein 9	Fbxo9	300849	1,26	down
6333092	7347783	1739657	f-box protein 9	Fbxo9	300849	1,17	down
6183302	7347783	1739655	f-box protein 9	Fbxo9	300849	1,17	down
6595511	7347783	1739653	f-box protein 9	Fbxo9	300849	1,14	down
5997861	7347783	1739656	f-box protein 9	Fbxo9	300849	1,10	down
6246122	7347783	1739650	f-box protein 9	Fbxo9	300849	1,07	down
6089220	7347783	1739651	f-box protein 9	Fbxo9	300849	1,06	up
6349237	7347783	1739654	f-box protein 9	Fbxo9	300849	1,06	down
5696191	7347783	1739659	f-box protein 9	Fbxo9	300849	1,05	up
6668218	7174650	1311728	FCH and double SH3 domains 1	Fchsd1	307482	2,15	up
6192629	7174650	1311717	FCH and double SH3 domains 1	Fchsd1	307482	1,95	up
6531804	7174650	1311718	FCH and double SH3 domains 1	Fchsd1	307482	1,51	up
5965054	7174650	1311720	FCH and double SH3 domains 1	Fchsd1	307482	1,49	down
5632076	7174650	1311723	FCH and double SH3 domains 1	Fchsd1	307482	1,35	up
6163837	7174650	1311726	FCH and double SH3 domains 1	Fchsd1	307482	1,32	down
6184768	7174650	1311714	FCH and double SH3 domains 1	Fchsd1	307482	1,30	down
5901862	7174650	1311725	FCH and double SH3 domains 1	Fchsd1	307482	1,28	up
6132942	7174650	1311715	FCH and double SH3 domains 1	Fchsd1	307482	1,27	down
6426189	7174650	1311712	FCH and double SH3 domains 1	Fchsd1	307482	1,23	up
6725612	7174650	1311714	FCH and double SH3 domains 1	Fchsd1	307482	1,22	down
5760122	7174650	1311721	FCH and double SH3 domains 1	Fchsd1	307482	1,20	down
6374962	7174650	1311727	FCH and double SH3 domains 1	Fchsd1	307482	1,14	down
5961693	7174650	1311712	FCH and double SH3 domains 1	Fchsd1	307482	1,13	down
5956851	7174650	1311726	FCH and double SH3 domains 1	Fchsd1	307482	1,12	down
5802120	7174650	1311716	FCH and double SH3 domains 1	Fchsd1	307482	1,11	up
6257613	7174650	1311719	FCH and double SH3 domains 1	Fchsd1	307482	1,10	up
5706272	7174650	1311726	FCH and double SH3 domains 1	Fchsd1	307482	1,07	down
6177318	7174650	1311729	FCH and double SH3 domains 1	Fchsd1	307482	1,05	up
5909174	7174650	1311724	FCH and double SH3 domains 1	Fchsd1	307482	1,04	down
5724622	7174650	1311722	FCH and double SH3 domains 1	Fchsd1	307482	1,03	up
6200942	7174650	1311713	FCH and double SH3 domains 1	Fchsd1	307482	1,02	down
5855263	7247005	1490130	fer-1-like 4 (C. elegans)	Fer114	296307	2,11	up
6013266	7247005	1490113	fer-1-like 4 (C. elegans)	Fer114	296307	1,90	down
6104100	7247005	1490125	fer-1-like 4 (C. elegans)	Fer114	296307	1,80	up
6313814	7247005	1490110	fer-1-like 4 (C. elegans)	Fer114	296307	1,71	up
6697095	7247005	1490125	fer-1-like 4 (C. elegans)	Fer114	296307	1,60	down
6546433	7247005	1490115	fer-1-like 4 (C. elegans)	Fer114	296307	1,47	down
5751665	7247005	1490121	fer-1-like 4 (C. elegans)	Fer114	296307	1,33	up
6262285	7247005	1490128	fer-1-like 4 (C. elegans)	Fer114	296307	1,32	down
5776495	7247005	1490112	fer-1-like 4 (C. elegans)	Fer114	296307	1,26	up
5688265	7247005	1490122	fer-1-like 4 (C. elegans)	Fer114	296307	1,25	down
6228560	7247005	1490116	fer-1-like 4 (C. elegans)	Fer114	296307	1,22	down
5771903	7247005	1490111	fer-1-like 4 (C. elegans)	Fer114	296307	1,20	down
6547989	7247005	1490126	fer-1-like 4 (C. elegans)	Fer114	296307	1,11	down

6005471	7247005	1490118	fer-1-like 4 (C. elegans)	Fer114	296307	1,09	down
5740451	7247005	1490129	fer-1-like 4 (C. elegans)	Fer114	296307	1,07	down
6412136	7247005	1490114	fer-1-like 4 (C. elegans)	Fer114	296307	1,07	down
5942582	7247005	1490111	fer-1-like 4 (C. elegans)	Fer114	296307	1,06	down
6647727	7247005	1490120	fer-1-like 4 (C. elegans)	Fer114	296307	1,06	up
5930139	7247005	1490111	fer-1-like 4 (C. elegans)	Fer114	296307	1,05	down
5972705	7247005	1490127	fer-1-like 4 (C. elegans)	Fer114	296307	1,03	up
6183591	7247005	1490110	fer-1-like 4 (C. elegans)	Fer114	296307	1,03	up
6355029	7247005	1490124	fer-1-like 4 (C. elegans)	Fer114	296307	1,02	down
6361911	7247005	1490123	fer-1-like 4 (C. elegans)	Fer114	296307	1,00	up
5774501	7247005	1490117	fer-1-like 4 (C. elegans)	Fer114	296307	1,00	up
5898373	7210288	1399814	FH2 domain containing 1	Fhdc1	295161	2,02	down
6173557	7210288	1399826	FH2 domain containing 1	Fhdc1	295161	1,91	down
6126563	7210288	1399819	FH2 domain containing 1	Fhdc1	295161	1,53	down
5928815	7210288	1399823	FH2 domain containing 1	Fhdc1	295161	1,48	up
6236688	7210288	1399825	FH2 domain containing 1	Fhdc1	295161	1,41	up
6118197	7210288	1399825	FH2 domain containing 1	Fhdc1	295161	1,41	up
6330231	7210288	1399821	FH2 domain containing 1	Fhdc1	295161	1,23	down
6042819	7210288	1399814	FH2 domain containing 1	Fhdc1	295161	1,18	up
6149358	7210288	1399825	FH2 domain containing 1	Fhdc1	295161	1,17	down
6003789	7210288	1399814	FH2 domain containing 1	Fhdc1	295161	1,12	down
6668940	7210288	1399814	FH2 domain containing 1	Fhdc1	295161	1,11	down
6139902	7210288	1399814	FH2 domain containing 1	Fhdc1	295161	1,10	up
6692932	7210288	1399820	FH2 domain containing 1	Fhdc1	295161	1,08	down
6632470	7210288	1399824	FH2 domain containing 1	Fhdc1	295161	1,05	down
6218632	7210288	1399814	FH2 domain containing 1	Fhdc1	295161	1,03	down
5966691	7210288	1399825	FH2 domain containing 1	Fhdc1	295161	1,03	up
5971485	7210288	1399825	FH2 domain containing 1	Fhdc1	295161	1,02	down
5962137	7210288	1399817	FH2 domain containing 1	Fhdc1	295161	1,02	up
6502131	7210288	1399825	FH2 domain containing 1	Fhdc1	295161	1,01	down
5770839	7210288	1399813	FH2 domain containing 1	Fhdc1	295161	1,01	down
6084535	7210288	1399818	FH2 domain containing 1	Fhdc1	295161	1,00	up
6522613	7030126	960852	fibrillarin	Fbl	292747	2,15	down
6236488	7030126	960848	fibrillarin	Fbl	292747	2,04	down
6407994	7030126	960844	fibrillarin	Fbl	292747	1,82	down
5680921	7030126	960850	fibrillarin	Fbl	292747	1,73	up
6572972	7030126	960853	fibrillarin	Fbl	292747	1,47	down
5862672	7030126	960849	fibrillarin	Fbl	292747	1,28	up
5680920	7030126	960854	fibrillarin	Fbl	292747	1,04	down
6476991	7030126	960851	fibrillarin	Fbl	292747	1,02	up
6260263	7195524	1364502	fibrinogen alpha chain	Fga	361969	2,38	down
6363725	7195524	1364506	fibrinogen alpha chain	Fga	361969	1,67	up
6249033	7195524	1364506	fibrinogen alpha chain	Fga	361969	1,22	up
6378518	7195524	1364505	fibrinogen alpha chain	Fga	361969	1,21	up
6525939	7195524	1364507	fibrinogen alpha chain	Fga	361969	1,16	up
5777572	7195524	1364506	fibrinogen alpha chain	Fga	361969	1,16	up
5683521	7195524	1364503	fibrinogen alpha chain	Fga	361969	1,15	down
5926340	7195524	1364504	fibrinogen alpha chain	Fga	361969	1,05	up
6193601	7195524	1364506	fibrinogen alpha chain	Fga	361969	1,03	down
6195041	7210154	1399496	fibrinogen beta chain	Fgb	24366	3,00	down
5679382	7210154	1399496	fibrinogen beta chain	Fgb	24366	1,39	up
6592165	7210154	1399490	fibrinogen beta chain	Fgb	24366	1,36	down
6556920	7210154	1399488	fibrinogen beta chain	Fgb	24366	1,35	down
6663767	7210154	1399495	fibrinogen beta chain	Fgb	24366	1,24	down
5839721	7210154	1399488	fibrinogen beta chain	Fgb	24366	1,19	up
6233430	7210154	1399492	fibrinogen beta chain	Fgb	24366	1,12	up
6604167	7210154	1399494	fibrinogen beta chain	Fgb	24366	1,11	down

5915022	7210154	1399489	fibrinogen beta chain	Fgb	24366	1,08	up
6161129	7210154	1399493	fibrinogen beta chain	Fgb	24366	1,08	up
6744744	7210154	1399491	fibrinogen beta chain	Fgb	24366	1,04	up
5973859	7152781	1257157	Fibroblast growth factor receptor 1	Fgfr1	79114	2,08	down
6702879	7152781	1257165	Fibroblast growth factor receptor 1	Fgfr1	79114	1,78	down
6363411	7152781	1257166	Fibroblast growth factor receptor 1	Fgfr1	79114	1,45	up
6717126	7152781	1257169	Fibroblast growth factor receptor 1	Fgfr1	79114	1,42	down
6105632	7152781	1257168	Fibroblast growth factor receptor 1	Fgfr1	79114	1,41	up
5785385	7152781	1257170	Fibroblast growth factor receptor 1	Fgfr1	79114	1,39	up
6007465	7152781	1257158	Fibroblast growth factor receptor 1	Fgfr1	79114	1,37	down
6192322	7152781	1257164	Fibroblast growth factor receptor 1	Fgfr1	79114	1,35	up
6417720	7152781	1257162	Fibroblast growth factor receptor 1	Fgfr1	79114	1,28	down
5833135	7152781	1257156	Fibroblast growth factor receptor 1	Fgfr1	79114	1,26	up
6629002	7152781	1257164	Fibroblast growth factor receptor 1	Fgfr1	79114	1,24	down
6067838	7152781	1257163	Fibroblast growth factor receptor 1	Fgfr1	79114	1,22	up
6512589	7152781	1257167	Fibroblast growth factor receptor 1	Fgfr1	79114	1,18	down
6469444	7152781	1257159	Fibroblast growth factor receptor 1	Fgfr1	79114	1,18	down
5937722	7152781	1257160	Fibroblast growth factor receptor 1	Fgfr1	79114	1,17	down
5914864	7152781	1257167	Fibroblast growth factor receptor 1	Fgfr1	79114	1,08	down
6336498	7152781	1257154	Fibroblast growth factor receptor 1	Fgfr1	79114	1,05	down
6341952	7152781	1257161	Fibroblast growth factor receptor 1	Fgfr1	79114	1,05	down
6413934	7152781	1257169	Fibroblast growth factor receptor 1	Fgfr1	79114	1,04	up
5915576	7127377	1195014	fibroblast growth factor receptor 3	Fgfr3	84489	2,18	down
6482448	7127377	1195016	fibroblast growth factor receptor 3	Fgfr3	84489	1,91	down
6028796	7127377	1195003	fibroblast growth factor receptor 3	Fgfr3	84489	1,56	up
5994185	7127377	1195009	fibroblast growth factor receptor 3	Fgfr3	84489	1,54	up
6259110	7127377	1195017	fibroblast growth factor receptor 3	Fgfr3	84489	1,34	up
6492669	7127377	1195007	fibroblast growth factor receptor 3	Fgfr3	84489	1,24	down
6228498	7127377	1195018	fibroblast growth factor receptor 3	Fgfr3	84489	1,21	up
5657575	7127377	1195004	fibroblast growth factor receptor 3	Fgfr3	84489	1,21	down
6714671	7127377	1195005	fibroblast growth factor receptor 3	Fgfr3	84489	1,17	down
6217557	7127377	1195011	fibroblast growth factor receptor 3	Fgfr3	84489	1,15	down
6745569	7127377	1195011	fibroblast growth factor receptor 3	Fgfr3	84489	1,10	down
6409494	7127377	1195010	fibroblast growth factor receptor 3	Fgfr3	84489	1,08	down
6406118	7127377	1195015	fibroblast growth factor receptor 3	Fgfr3	84489	1,06	down
6004282	7127377	1195013	fibroblast growth factor receptor 3	Fgfr3	84489	1,05	down
5806972	7127377	1195006	fibroblast growth factor receptor 3	Fgfr3	84489	1,03	down
5647881	7127377	1195008	fibroblast growth factor receptor 3	Fgfr3	84489	1,01	up
5816307	7127377	1195019	fibroblast growth factor receptor 3	Fgfr3	84489	1,00	down
6396009	7127377	1195012	fibroblast growth factor receptor 3	Fgfr3	84489	1,00	up
6181298	7162083	1280326	fibroblast growth factor receptor 4	Fgfr4	25114	2,25	up
6413773	7162083	1280337	fibroblast growth factor receptor 4	Fgfr4	25114	1,87	up
6249807	7162083	1280334	fibroblast growth factor receptor 4	Fgfr4	25114	1,63	down
6177089	7162083	1280324	fibroblast growth factor receptor 4	Fgfr4	25114	1,51	up
6685502	7162083	1280335	fibroblast growth factor receptor 4	Fgfr4	25114	1,49	up
5632687	7162083	1280337	fibroblast growth factor receptor 4	Fgfr4	25114	1,37	down
6090642	7162083	1280336	fibroblast growth factor receptor 4	Fgfr4	25114	1,32	up
5672470	7162083	1280331	fibroblast growth factor receptor 4	Fgfr4	25114	1,20	up
6613155	7162083	1280324	fibroblast growth factor receptor 4	Fgfr4	25114	1,19	down
6594988	7162083	1280333	fibroblast growth factor receptor 4	Fgfr4	25114	1,19	down
6289634	7162083	1280332	fibroblast growth factor receptor 4	Fgfr4	25114	1,16	down
5659130	7162083	1280330	fibroblast growth factor receptor 4	Fgfr4	25114	1,14	down
6164634	7162083	1280327	fibroblast growth factor receptor 4	Fgfr4	25114	1,14	down
5669285	7162083	1280325	fibroblast growth factor receptor 4	Fgfr4	25114	1,13	down
5980543	7162083	1280328	fibroblast growth factor receptor 4	Fgfr4	25114	1,08	down
6213329	7162083	1280329	fibroblast growth factor receptor 4	Fgfr4	25114	1,05	up
6676847	7162083	1280325	fibroblast growth factor receptor 4	Fgfr4	25114	1,05	up

5963523	7363541	1778046	fibronectin 1	Fn1	25661	9,61	up
5910280	7363541	1778000	fibronectin 1	Fn1	25661	3,00	up
5988126	7363541	1778046	fibronectin 1	Fn1	25661	2,75	up
6234629	7363541	1778000	fibronectin 1	Fn1	25661	2,25	up
6567035	7363541	1778046	fibronectin 1	Fn1	25661	1,80	up
6445237	7363541	1778036	fibronectin 1	Fn1	25661	1,58	up
6418498	7363541	1778002	fibronectin 1	Fn1	25661	1,57	up
6266820	7363541	1778030	fibronectin 1	Fn1	25661	1,48	down
6432577	7363541	1778038	fibronectin 1	Fn1	25661	1,43	down
5726812	7363541	1778041	fibronectin 1	Fn1	25661	1,40	up
6491411	7363541	1778044	fibronectin 1	Fn1	25661	1,39	down
5635547	7363541	1778029	fibronectin 1	Fn1	25661	1,33	down
6142821	7363541	1778007	fibronectin 1	Fn1	25661	1,32	up
6659969	7363541	1778045	fibronectin 1	Fn1	25661	1,29	down
6385002	7363541	1778005	fibronectin 1	Fn1	25661	1,25	down
6242113	7363541	1778039	fibronectin 1	Fn1	25661	1,23	up
6205584	7363541	1778007	fibronectin 1	Fn1	25661	1,22	up
6063858	7363541	1778025	fibronectin 1	Fn1	25661	1,22	down
6474218	7363541	1778035	fibronectin 1	Fn1	25661	1,21	down
5958877	7363541	1778014	fibronectin 1	Fn1	25661	1,20	up
6593795	7363541	1778032	fibronectin 1	Fn1	25661	1,20	down
6525434	7363541	1778031	fibronectin 1	Fn1	25661	1,20	up
6162019	7363541	1778021	fibronectin 1	Fn1	25661	1,19	down
5686173	7363541	1778033	fibronectin 1	Fn1	25661	1,17	up
5687085	7363541	1778022	fibronectin 1	Fn1	25661	1,16	down
6317570	7363541	1778001	fibronectin 1	Fn1	25661	1,16	down
6673753	7363541	1778028	fibronectin 1	Fn1	25661	1,14	down
6457680	7363541	1778021	fibronectin 1	Fn1	25661	1,13	down
6294499	7363541	1778015	fibronectin 1	Fn1	25661	1,13	down
5770566	7363541	1778026	fibronectin 1	Fn1	25661	1,12	down
5742121	7363541	1778040	fibronectin 1	Fn1	25661	1,11	down
5631376	7363541	1778016	fibronectin 1	Fn1	25661	1,11	down
5665659	7363541	1778023	fibronectin 1	Fn1	25661	1,11	down
5775595	7363541	1778034	fibronectin 1	Fn1	25661	1,10	up
6208238	7363541	1778037	fibronectin 1	Fn1	25661	1,10	up
5765379	7363541	1778006	fibronectin 1	Fn1	25661	1,09	down
5899407	7363541	1778020	fibronectin 1	Fn1	25661	1,09	up
6504433	7363541	1778010	fibronectin 1	Fn1	25661	1,08	down
5626556	7363541	1778043	fibronectin 1	Fn1	25661	1,08	up
5741347	7363541	1778000	fibronectin 1	Fn1	25661	1,08	up
6514715	7363541	1778013	fibronectin 1	Fn1	25661	1,07	down
5652686	7363541	1778000	fibronectin 1	Fn1	25661	1,07	up
6248074	7363541	1778042	fibronectin 1	Fn1	25661	1,06	down
5690501	7363541	1778004	fibronectin 1	Fn1	25661	1,06	up
6351661	7363541	1778027	fibronectin 1	Fn1	25661	1,06	down
6635785	7363541	1778007	fibronectin 1	Fn1	25661	1,05	up
6721400	7363541	1778008	fibronectin 1	Fn1	25661	1,04	down
5678244	7363541	1778024	fibronectin 1	Fn1	25661	1,04	up
6492125	7363541	1778017	fibronectin 1	Fn1	25661	1,03	up
6003922	7363541	1778003	fibronectin 1	Fn1	25661	1,02	up
5654017	7363541	1778011	fibronectin 1	Fn1	25661	1,02	down
6681721	7363541	1778009	fibronectin 1	Fn1	25661	1,02	down
5856947	7363541	1778012	fibronectin 1	Fn1	25661	1,02	down
5679508	7363541	1778019	fibronectin 1	Fn1	25661	1,00	down
6665710	7363541	1778018	fibronectin 1	Fn1	25661	1,00	down
5985354	7279806	1572561	fibronectin type III domain containing 5	Fndc5	260327	2,81	up
6060430	7279806	1572561	fibronectin type III domain containing 5	Fndc5	260327	1,80	down

5892998	7279806	1572563	fibronectin type III domain containing 5	Fndc5	260327	1,64	up
6738118	7279806	1572562	fibronectin type III domain containing 5	Fndc5	260327	1,38	up
6182423	7279806	1572564	fibronectin type III domain containing 5	Fndc5	260327	1,28	up
6122212	7279806	1572562	fibronectin type III domain containing 5	Fndc5	260327	1,03	up
6648244	7212804	1405148	fibronectin type III domain containing 7	Fndc7	310787	2,04	up
6262378	7212804	1405138	fibronectin type III domain containing 7	Fndc7	310787	1,87	down
6409535	7212804	1405135	fibronectin type III domain containing 7	Fndc7	310787	1,72	down
6502761	7212804	1405137	fibronectin type III domain containing 7	Fndc7	310787	1,46	down
6264429	7212804	1405139	fibronectin type III domain containing 7	Fndc7	310787	1,33	up
6731353	7212804	1405143	fibronectin type III domain containing 7	Fndc7	310787	1,28	up
5883640	7212804	1405145	fibronectin type III domain containing 7	Fndc7	310787	1,24	up
6669925	7212804	1405136	fibronectin type III domain containing 7	Fndc7	310787	1,23	down
5661295	7212804	1405141	fibronectin type III domain containing 7	Fndc7	310787	1,19	up
6262798	7212804	1405140	fibronectin type III domain containing 7	Fndc7	310787	1,19	down
6328014	7212804	1405147	fibronectin type III domain containing 7	Fndc7	310787	1,17	up
6170664	7212804	1405148	fibronectin type III domain containing 7	Fndc7	310787	1,15	up
6526740	7212804	1405136	fibronectin type III domain containing 7	Fndc7	310787	1,14	up
5801712	7212804	1405148	fibronectin type III domain containing 7	Fndc7	310787	1,14	up
6080563	7212804	1405144	fibronectin type III domain containing 7	Fndc7	310787	1,13	down
6589304	7212804	1405147	fibronectin type III domain containing 7	Fndc7	310787	1,09	down
5949468	7212804	1405134	fibronectin type III domain containing 7	Fndc7	310787	1,06	up
6130746	7212804	1405141	fibronectin type III domain containing 7	Fndc7	310787	1,06	down
6185624	7212804	1405142	fibronectin type III domain containing 7	Fndc7	310787	1,01	down
6668106	7256191	1512874	fibulin 2	Fbln2	282583	1,18	down
6034174	7256191	1512872	fibulin 2	Fbln2	282583	1,14	down
5987696	7256191	1512877	fibulin 2	Fbln2	282583	1,11	down
6407510	7256191	1512873	fibulin 2	Fbln2	282583	1,10	down
6297311	7256191	1512878	fibulin 2	Fbln2	282583	1,07	up
6692175	7256191	1512871	fibulin 2	Fbln2	282583	1,06	up
6372869	7256191	1512871	fibulin 2	Fbln2	282583	1,03	down
6331244	7347975	1740013	filamin A interacting protein 1	Filip1	246776	2,28	down
5854803	7347975	1740015	filamin A interacting protein 1	Filip1	246776	1,31	up
6388990	7347975	1740016	filamin A interacting protein 1	Filip1	246776	1,31	up
6086683	7347975	1740014	filamin A interacting protein 1	Filip1	246776	1,17	down
6212791	7347975	1740015	filamin A interacting protein 1	Filip1	246776	1,11	up
5692083	7292624	1602756	filamin binding LIM protein 1	Fblim1	362650	2,32	down
6572080	7292624	1602755	filamin binding LIM protein 1	Fblim1	362650	2,31	down
6240753	7292624	1602754	filamin binding LIM protein 1	Fblim1	362650	1,71	down
5667405	7292624	1602755	filamin binding LIM protein 1	Fblim1	362650	1,52	up
6598629	7292624	1602752	filamin binding LIM protein 1	Fblim1	362650	1,34	up
6227477	7292624	1602753	filamin binding LIM protein 1	Fblim1	362650	1,24	up
6665154	7292624	1602757	filamin binding LIM protein 1	Fblim1	362650	1,21	down
5655654	7292624	1602756	filamin binding LIM protein 1	Fblim1	362650	1,14	down
5995107	7292624	1602750	filamin binding LIM protein 1	Fblim1	362650	1,04	down
6093543	7252051	1502485	filamin C, gamma (actin binding protein 280)	Flnc	362332	2,37	up
6722717	7252051	1502508	filamin C, gamma (actin binding protein 280)	Flnc	362332	2,29	up
5803699	7252051	1502518	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,79	down
6320851	7252051	1502510	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,76	down
5639927	7252051	1502506	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,65	up
5659687	7252051	1502484	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,54	up
5847685	7252051	1502519	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,52	up
6509271	7252051	1502528	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,50	up
5731616	7252051	1502474	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,48	down
5669123	7252051	1502528	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,35	down
5937012	7252051	1502494	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,33	up
6215379	7252051	1502507	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,31	down
5818282	7252051	1502526	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,30	up

5750947	7252051	1502487	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,30	down
5827097	7252051	1502509	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,29	down
6502177	7252051	1502491	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,27	up
6227064	7252051	1502511	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,27	up
6060039	7252051	1502514	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,25	down
6537177	7252051	1502482	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,24	down
6068274	7252051	1502517	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,23	down
6348220	7252051	1502520	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,22	down
5919300	7252051	1502503	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,20	down
5705808	7252051	1502524	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,19	up
6245407	7252051	1502525	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,18	up
6048419	7252051	1502522	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,17	down
5959677	7252051	1502492	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,17	up
6616664	7252051	1502495	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,16	down
6297867	7252051	1502497	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,16	up
5725844	7252051	1502500	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,15	up
5686290	7252051	1502499	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,14	down
6285118	7252051	1502515	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,14	down
6049370	7252051	1502498	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,14	down
5978763	7252051	1502526	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,12	down
6307649	7252051	1502483	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,10	up
6188258	7252051	1502516	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,09	down
6035255	7252051	1502490	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,08	down
6583490	7252051	1502502	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,08	up
5918226	7252051	1502486	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,07	up
6338741	7252051	1502489	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,06	down
6032380	7252051	1502512	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,05	up
5977021	7252051	1502501	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,04	up
6536249	7252051	1502505	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	up
5653626	7252051	1502496	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	down
6241748	7252051	1502493	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,03	down
5911348	7252051	1502479	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
6501361	7252051	1502513	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	down
6616191	7252051	1502529	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
5652906	7252051	1502474	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
5755176	7252051	1502474	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
5862581	7252051	1502523	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
5811158	7252051	1502521	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,02	up
6339023	7252051	1502504	filamin C, gamma (actin binding protein 280)	Flnc	362332	1,00	down
6424989	7378637	1817788	filamin, alpha	Flna	293860	2,39	down
5630382	7378637	1817799	filamin, alpha	Flna	293860	1,83	up
5665149	7378637	1817788	filamin, alpha	Flna	293860	1,76	down
6321917	7378637	1817822	filamin, alpha	Flna	293860	1,73	up
5872327	7378637	1817805	filamin, alpha	Flna	293860	1,54	down
6396459	7378637	1817829	filamin, alpha	Flna	293860	1,51	up
6677062	7378637	1817798	filamin, alpha	Flna	293860	1,47	up
5940254	7378637	1817800	filamin, alpha	Flna	293860	1,46	down
5647607	7378637	1817815	filamin, alpha	Flna	293860	1,46	up
5786797	7378637	1817825	filamin, alpha	Flna	293860	1,45	up
5754807	7378637	1817828	filamin, alpha	Flna	293860	1,43	up
6219369	7378637	1817833	filamin, alpha	Flna	293860	1,43	down
5710497	7378637	1817803	filamin, alpha	Flna	293860	1,39	up
6478433	7378637	1817791	filamin, alpha	Flna	293860	1,37	down
5994893	7378637	1817809	filamin, alpha	Flna	293860	1,36	up
6510816	7378637	1817813	filamin, alpha	Flna	293860	1,33	up
6519702	7378637	1817820	filamin, alpha	Flna	293860	1,32	up
5804125	7378637	1817829	filamin, alpha	Flna	293860	1,29	up

6436876	7378637	1817823	filamin, alpha	Flna	293860	1,29	down
5975553	7378637	1817808	filamin, alpha	Flna	293860	1,29	up
5851971	7378637	1817789	filamin, alpha	Flna	293860	1,28	up
6067453	7378637	1817792	filamin, alpha	Flna	293860	1,28	down
5807256	7378637	1817817	filamin, alpha	Flna	293860	1,28	up
6437573	7378637	1817810	filamin, alpha	Flna	293860	1,23	up
5725495	7378637	1817830	filamin, alpha	Flna	293860	1,22	up
6424942	7378637	1817804	filamin, alpha	Flna	293860	1,21	down
6454051	7378637	1817832	filamin, alpha	Flna	293860	1,21	down
5773696	7378637	1817831	filamin, alpha	Flna	293860	1,21	up
6469871	7378637	1817821	filamin, alpha	Flna	293860	1,20	down
6645908	7378637	1817795	filamin, alpha	Flna	293860	1,20	down
5644122	7378637	1817827	filamin, alpha	Flna	293860	1,19	up
5914868	7378637	1817819	filamin, alpha	Flna	293860	1,17	down
6616832	7378637	1817826	filamin, alpha	Flna	293860	1,16	up
6290852	7378637	1817824	filamin, alpha	Flna	293860	1,16	up
5844462	7378637	1817788	filamin, alpha	Flna	293860	1,14	down
6467254	7378637	1817812	filamin, alpha	Flna	293860	1,14	up
6121619	7378637	1817806	filamin, alpha	Flna	293860	1,12	up
6082876	7378637	1817829	filamin, alpha	Flna	293860	1,12	up
6323115	7378637	1817832	filamin, alpha	Flna	293860	1,12	up
6103365	7378637	1817818	filamin, alpha	Flna	293860	1,11	up
5876638	7378637	1817790	filamin, alpha	Flna	293860	1,11	down
6516709	7378637	1817811	filamin, alpha	Flna	293860	1,10	up
6584249	7378637	1817796	filamin, alpha	Flna	293860	1,10	up
6405766	7378637	1817794	filamin, alpha	Flna	293860	1,10	down
6499286	7378637	1817807	filamin, alpha	Flna	293860	1,08	down
5855140	7378637	1817793	filamin, alpha	Flna	293860	1,06	down
5908366	7378637	1817801	filamin, alpha	Flna	293860	1,06	up
6205371	7378637	1817797	filamin, alpha	Flna	293860	1,06	up
6659978	7378637	1817814	filamin, alpha	Flna	293860	1,06	up
6379422	7378637	1817802	filamin, alpha	Flna	293860	1,05	up
5739429	7378637	1817831	filamin, alpha	Flna	293860	1,02	down
6518591	7281475	1576512	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	2,09	down
6588697	7281475	1576494	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,61	down
6661522	7281475	1576499	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,45	up
5787513	7281475	1576458	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,38	down
6671984	7281475	1576459	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,38	down
6595856	7281475	1576465	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,33	up
5757965	7281475	1576510	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,33	up
5923553	7281475	1576500	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,33	down
6681248	7281475	1576460	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,31	up
5653404	7281475	1576484	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,31	down
5741861	7281475	1576505	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,30	up
6208453	7281475	1576488	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,30	down
5894924	7281475	1576463	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,25	up
6431960	7281475	1576490	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,24	down
6221876	7281475	1576470	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,24	up
6335854	7281475	1576504	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,23	up
6376629	7281475	1576497	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,22	up
6126412	7281475	1576482	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,19	down
6171383	7281475	1576471	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,18	up
5647502	7281475	1576457	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,18	up
6111341	7281475	1576481	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,17	down
6298579	7281475	1576467	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,16	up
6045358	7281475	1576462	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,16	down
6097724	7281475	1576514	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,16	up

6465452	7281475	1576478	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,15	up
5742739	7281475	1576501	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,14	up
6003596	7281475	1576494	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,14	up
6061323	7281475	1576485	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,14	down
6590522	7281475	1576492	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,12	down
5851449	7281475	1576495	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,10	down
6346926	7281475	1576514	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,09	up
6252135	7281475	1576469	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,09	up
6617157	7281475	1576477	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,09	up
5877340	7281475	1576476	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,09	up
6273295	7281475	1576480	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,08	up
5961658	7281475	1576491	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,08	down
5653372	7281475	1576506	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,07	up
5976838	7281475	1576468	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,07	up
6154185	7281475	1576464	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,06	down
6632005	7281475	1576486	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,06	down
6629838	7281475	1576493	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,06	down
5736535	7281475	1576513	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,06	up
6707937	7281475	1576479	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,05	down
6506422	7281475	1576511	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,05	down
5821186	7281475	1576473	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,05	down
6547964	7281475	1576475	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,04	up
6657797	7281475	1576487	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,04	down
6591300	7281475	1576502	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,04	up
5911020	7281475	1576483	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,04	up
6586171	7281475	1576489	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,03	up
6319680	7281475	1576498	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,03	down
5858828	7281475	1576461	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,03	up
6174668	7281475	1576496	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,03	down
6723987	7281475	1576507	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,02	up
5826934	7281475	1576508	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,01	up
6076507	7281475	1576472	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,01	down
5861867	7281475	1576509	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,01	down
6150134	7281475	1576466	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,01	down
6216951	7281475	1576474	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,00	up
6454671	7281475	1576503	FK506 binding protein 12-rapamycin associated protein 1	Frap1	56718	1,00	down
6343963	7264964	1534928	FK506 binding protein 14	Fkbp14	362366	2,16	down
6176451	7264964	1534931	FK506 binding protein 14	Fkbp14	362366	1,94	up
6549396	7264964	1534932	FK506 binding protein 14	Fkbp14	362366	1,26	up
6600233	7264964	1534930	FK506 binding protein 14	Fkbp14	362366	1,23	down
5737108	7264964	1534929	FK506 binding protein 14	Fkbp14	362366	1,07	down
6704902	7113261	1160469	flavin containing monooxygenase 6	Fmo6	304922	2,12	up
5787992	7113261	1160477	flavin containing monooxygenase 6	Fmo6	304922	1,46	up
5638088	7113261	1160476	flavin containing monooxygenase 6	Fmo6	304922	1,44	down
5996447	7113261	1160470	flavin containing monooxygenase 6	Fmo6	304922	1,31	up
6036439	7113261	1160469	flavin containing monooxygenase 6	Fmo6	304922	1,24	down
5762810	7113261	1160473	flavin containing monooxygenase 6	Fmo6	304922	1,18	down
5721204	7113261	1160475	flavin containing monooxygenase 6	Fmo6	304922	1,11	up
6716691	7113261	1160474	flavin containing monooxygenase 6	Fmo6	304922	1,09	down
6662828	7113261	1160469	flavin containing monooxygenase 6	Fmo6	304922	1,08	down
6742291	7113261	1160480	flavin containing monooxygenase 6	Fmo6	304922	1,06	down
6574721	7113261	1160480	flavin containing monooxygenase 6	Fmo6	304922	1,03	down
6183113	7078187	1075540	flightless I homolog (Drosophila)	Flii	287375	2,17	down
6316097	7078187	1075548	flightless I homolog (Drosophila)	Flii	287375	1,36	down
5688768	7078187	1075534	flightless I homolog (Drosophila)	Flii	287375	1,34	down
5634575	7078187	1075550	flightless I homolog (Drosophila)	Flii	287375	1,32	down
5970911	7078187	1075539	flightless I homolog (Drosophila)	Flii	287375	1,32	up

6730192	7078187	1075551	flightless I homolog (Drosophila)	Flii	287375	1,30	up
6382128	7078187	1075552	flightless I homolog (Drosophila)	Flii	287375	1,29	up
6463668	7078187	1075556	flightless I homolog (Drosophila)	Flii	287375	1,28	up
6291999	7078187	1075542	flightless I homolog (Drosophila)	Flii	287375	1,26	up
6178532	7078187	1075543	flightless I homolog (Drosophila)	Flii	287375	1,22	down
6716088	7078187	1075541	flightless I homolog (Drosophila)	Flii	287375	1,20	down
5855991	7078187	1075559	flightless I homolog (Drosophila)	Flii	287375	1,18	down
5848782	7078187	1075545	flightless I homolog (Drosophila)	Flii	287375	1,17	down
6624638	7078187	1075537	flightless I homolog (Drosophila)	Flii	287375	1,17	down
5959312	7078187	1075558	flightless I homolog (Drosophila)	Flii	287375	1,17	down
6396975	7078187	1075555	flightless I homolog (Drosophila)	Flii	287375	1,17	up
5699682	7078187	1075553	flightless I homolog (Drosophila)	Flii	287375	1,16	up
5896961	7078187	1075538	flightless I homolog (Drosophila)	Flii	287375	1,15	down
6406717	7078187	1075541	flightless I homolog (Drosophila)	Flii	287375	1,14	down
6268927	7078187	1075546	flightless I homolog (Drosophila)	Flii	287375	1,11	up
6481952	7078187	1075563	flightless I homolog (Drosophila)	Flii	287375	1,10	down
6090271	7078187	1075557	flightless I homolog (Drosophila)	Flii	287375	1,10	up
6079196	7078187	1075533	flightless I homolog (Drosophila)	Flii	287375	1,09	down
5943778	7078187	1075560	flightless I homolog (Drosophila)	Flii	287375	1,08	down
6087888	7078187	1075540	flightless I homolog (Drosophila)	Flii	287375	1,07	up
6269458	7078187	1075549	flightless I homolog (Drosophila)	Flii	287375	1,07	down
5836525	7078187	1075541	flightless I homolog (Drosophila)	Flii	287375	1,07	up
6330347	7078187	1075536	flightless I homolog (Drosophila)	Flii	287375	1,04	up
6209796	7078187	1075561	flightless I homolog (Drosophila)	Flii	287375	1,03	up
5683482	7078187	1075554	flightless I homolog (Drosophila)	Flii	287375	1,02	up
6020906	7078187	1075544	flightless I homolog (Drosophila)	Flii	287375	1,02	down
6553847	7078187	1075562	flightless I homolog (Drosophila)	Flii	287375	1,01	up
5703647	7078187	1075547	flightless I homolog (Drosophila)	Flii	287375	1,00	up
5770113	7078187	1075535	flightless I homolog (Drosophila)	Flii	287375	1,00	up
6297665	7069885	1055756	flotillin 2	Flot2	83764	2,18	down
5940458	7069885	1055766	flotillin 2	Flot2	83764	1,69	up
6104056	7069885	1055757	flotillin 2	Flot2	83764	1,66	down
5626499	7069885	1055757	flotillin 2	Flot2	83764	1,58	down
6094238	7069885	1055761	flotillin 2	Flot2	83764	1,52	down
6348414	7069885	1055767	flotillin 2	Flot2	83764	1,34	up
6706813	7069885	1055758	flotillin 2	Flot2	83764	1,30	down
6062220	7069885	1055768	flotillin 2	Flot2	83764	1,22	up
6287377	7069885	1055764	flotillin 2	Flot2	83764	1,21	down
6044163	7069885	1055763	flotillin 2	Flot2	83764	1,17	up
6661700	7069885	1055762	flotillin 2	Flot2	83764	1,11	down
6240620	7069885	1055765	flotillin 2	Flot2	83764	1,04	up
5848684	7069885	1055769	flotillin 2	Flot2	83764	1,04	up
6691633	7069885	1055760	flotillin 2	Flot2	83764	1,04	down
6153016	7069885	1055770	flotillin 2	Flot2	83764	1,01	up
6212113	7069885	1055759	flotillin 2	Flot2	83764	1,00	up
5932670	7096389	1118077	fms-related tyrosine kinase 1	Flt1	54251	2,03	down
6660906	7096389	1118056	fms-related tyrosine kinase 1	Flt1	54251	1,83	up
6328578	7096389	1118073	fms-related tyrosine kinase 1	Flt1	54251	1,65	up
5849148	7096389	1118062	fms-related tyrosine kinase 1	Flt1	54251	1,58	down
6701568	7096389	1118050	fms-related tyrosine kinase 1	Flt1	54251	1,57	down
6663927	7096389	1118068	fms-related tyrosine kinase 1	Flt1	54251	1,50	down
6486501	7096389	1118054	fms-related tyrosine kinase 1	Flt1	54251	1,50	up
6173605	7096389	1118067	fms-related tyrosine kinase 1	Flt1	54251	1,46	up
5820472	7096389	1118065	fms-related tyrosine kinase 1	Flt1	54251	1,44	up
6343428	7096389	1118055	fms-related tyrosine kinase 1	Flt1	54251	1,43	up
5975235	7096389	1118071	fms-related tyrosine kinase 1	Flt1	54251	1,41	down
6534955	7096389	1118048	fms-related tyrosine kinase 1	Flt1	54251	1,40	up

5869787	7096389	1118057	fms-related tyrosine kinase 1	Flt1	54251	1,24	up
6611060	7096389	1118063	fms-related tyrosine kinase 1	Flt1	54251	1,23	up
6631502	7096389	1118064	fms-related tyrosine kinase 1	Flt1	54251	1,20	down
5770061	7096389	1118060	fms-related tyrosine kinase 1	Flt1	54251	1,17	up
6385722	7096389	1118070	fms-related tyrosine kinase 1	Flt1	54251	1,12	up
6439516	7096389	1118058	fms-related tyrosine kinase 1	Flt1	54251	1,11	up
6559568	7096389	1118061	fms-related tyrosine kinase 1	Flt1	54251	1,10	down
6679798	7096389	1118066	fms-related tyrosine kinase 1	Flt1	54251	1,08	down
6175639	7096389	1118047	fms-related tyrosine kinase 1	Flt1	54251	1,08	up
6418396	7096389	1118049	fms-related tyrosine kinase 1	Flt1	54251	1,05	down
6228495	7096389	1118047	fms-related tyrosine kinase 1	Flt1	54251	1,04	down
6254641	7096389	1118061	fms-related tyrosine kinase 1	Flt1	54251	1,03	up
6472813	7096389	1118060	fms-related tyrosine kinase 1	Flt1	54251	1,03	down
6339387	7096389	1118072	fms-related tyrosine kinase 1	Flt1	54251	1,02	up
6050505	7096389	1118051	fms-related tyrosine kinase 1	Flt1	54251	1,02	down
5988581	7096389	1118052	fms-related tyrosine kinase 1	Flt1	54251	1,01	down
6205568	7096389	1118069	fms-related tyrosine kinase 1	Flt1	54251	1,01	up
5813521	7096389	1118059	fms-related tyrosine kinase 1	Flt1	54251	1,00	down
5972233	7096389	1118076	fms-related tyrosine kinase 1	Flt1	54251	1,00	up
6195360	7096389	1118053	fms-related tyrosine kinase 1	Flt1	54251	1,00	up
5769766	7096389	1118074	fms-related tyrosine kinase 1	Flt1	54251	1,00	up
6290168	7096389	1118075	fms-related tyrosine kinase 1	Flt1	54251	1,00	up
6335102	7096389	1118077	fms-related tyrosine kinase 1	Flt1	54251	1,00	up
5890011	7204090	1385370	follistatin	Fst	24373	2,24	down
6331014	7204090	1385366	follistatin	Fst	24373	1,87	up
6204622	7204090	1385367	follistatin	Fst	24373	1,45	down
5834602	7204090	1385365	follistatin	Fst	24373	1,29	up
6043536	7204090	1385367	follistatin	Fst	24373	1,16	up
6024376	7204090	1385368	follistatin	Fst	24373	1,14	down
5990532	7204090	1385369	follistatin	Fst	24373	1,06	up
6496133	7204090	1385366	follistatin	Fst	24373	1,02	down
5949374	7067518	1049896	follistatin-like 4	Fstl4	303130	2,02	up
6556469	7067518	1049953	follistatin-like 4	Fstl4	303130	1,82	down
6662586	7067518	1049874	follistatin-like 4	Fstl4	303130	1,46	up
5809128	7067518	1049952	follistatin-like 4	Fstl4	303130	1,37	up
6089304	7067518	1049943	follistatin-like 4	Fstl4	303130	1,35	down
6676423	7067518	1049908	follistatin-like 4	Fstl4	303130	1,33	down
5899259	7067518	1049881	follistatin-like 4	Fstl4	303130	1,23	down
6519931	7067518	1049932	follistatin-like 4	Fstl4	303130	1,20	down
6415265	7067518	1049869	follistatin-like 4	Fstl4	303130	1,15	down
5741134	7067518	1049946	follistatin-like 4	Fstl4	303130	1,15	up
5643687	7067518	1049954	follistatin-like 4	Fstl4	303130	1,12	down
6291809	7067518	1049945	follistatin-like 4	Fstl4	303130	1,12	up
5770598	7067518	1049947	follistatin-like 4	Fstl4	303130	1,08	down
6255911	7067518	1049942	follistatin-like 4	Fstl4	303130	1,07	up
6737770	7067518	1049954	follistatin-like 4	Fstl4	303130	1,04	up
6540608	7067518	1049910	follistatin-like 4	Fstl4	303130	1,01	down
6586269	7067518	1049937	follistatin-like 4	Fstl4	303130	1,00	down
6152048	7306908	1640055	forkhead box A1	Foxa1	25098	2,28	up
5781281	7306908	1640056	forkhead box A1	Foxa1	25098	1,68	up
6125706	7306908	1640055	forkhead box A1	Foxa1	25098	1,38	up
6746659	7306908	1640055	forkhead box A1	Foxa1	25098	1,23	down
5646642	7306908	1640055	forkhead box A1	Foxa1	25098	1,15	up
5826257	7306908	1640055	forkhead box A1	Foxa1	25098	1,12	down
6527885	7306908	1640055	forkhead box A1	Foxa1	25098	1,05	down
6159909	7306908	1640055	forkhead box A1	Foxa1	25098	1,04	down
6188330	7306908	1640055	forkhead box A1	Foxa1	25098	1,04	up

6597039	7306908	1640054	forkhead box A1	Foxa1	25098	1,03	down
5993551	7306908	1640055	forkhead box A1	Foxa1	25098	1,02	up
5822091	7306908	1640055	forkhead box A1	Foxa1	25098	1,02	down
6523608	7274821	1559410	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	2,51	up
5771002	7274821	1559410	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,41	up
6181011	7274821	1559410	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,29	down
5724733	7274821	1559412	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,19	up
6028389	7274821	1559412	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,16	up
5798344	7274821	1559412	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,16	down
6686539	7274821	1559411	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,15	up
6274376	7274821	1559412	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,08	down
5840144	7274821	1559410	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,04	down
6439964	7274821	1559412	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,01	up
6239664	7274821	1559412	forkhead box E1 (thyroid transcription factor 2)	Foxe1	192274	1,00	down
6599289	7297880	1616357	forkhead box G1	Foxg1	24370	2,05	down
6345002	7297880	1616357	forkhead box G1	Foxg1	24370	1,57	up
5944180	7297880	1616359	forkhead box G1	Foxg1	24370	1,13	up
6599112	7297880	1616357	forkhead box G1	Foxg1	24370	1,12	up
6266730	7297880	1616357	forkhead box G1	Foxg1	24370	1,08	up
5836940	7297880	1616358	forkhead box G1	Foxg1	24370	1,01	up
5905154	7297880	1616358	forkhead box G1	Foxg1	24370	1,00	down
6423216	7309646	1646556	forkhead box N3	Foxn3	314374	2,18	down
6590007	7309646	1646489	forkhead box N3	Foxn3	314374	2,10	down
5666510	7309646	1646527	forkhead box N3	Foxn3	314374	1,47	down
6264866	7309646	1646489	forkhead box N3	Foxn3	314374	1,19	up
6452819	7309646	1646514	forkhead box N3	Foxn3	314374	1,15	down
6519154	7309646	1646493	forkhead box N3	Foxn3	314374	1,11	up
5826033	7309646	1646489	forkhead box N3	Foxn3	314374	1,07	up
6682167	7309646	1646565	forkhead box N3	Foxn3	314374	1,03	down
5639381	7309646	1646545	forkhead box N3	Foxn3	314374	1,01	down
6741430	7309646	1646489	forkhead box N3	Foxn3	314374	1,00	down
6160611	7193959	1360603	forkhead box O1	Foxo1	84482	1,67	down
6356887	7193959	1360610	forkhead box O1	Foxo1	84482	1,01	down
6660813	7267802	1541796	forkhead box P1	Foxp1	297480	1,83	down
6645491	7267802	1541778	forkhead box P1	Foxp1	297480	1,59	down
6475705	7267802	1541769	forkhead box P1	Foxp1	297480	1,41	down
6211212	7267802	1541734	forkhead box P1	Foxp1	297480	1,34	down
6561658	7267802	1541744	forkhead box P1	Foxp1	297480	1,34	down
5999619	7267802	1541745	forkhead box P1	Foxp1	297480	1,30	down
6466224	7267802	1541754	forkhead box P1	Foxp1	297480	1,24	down
6688169	7267802	1541741	forkhead box P1	Foxp1	297480	1,23	up
6050900	7267802	1541817	forkhead box P1	Foxp1	297480	1,21	down
5844360	7267802	1541763	forkhead box P1	Foxp1	297480	1,21	up
6406262	7267802	1541738	forkhead box P1	Foxp1	297480	1,21	up
6316307	7267802	1541754	forkhead box P1	Foxp1	297480	1,19	down
6419157	7267802	1541743	forkhead box P1	Foxp1	297480	1,18	down
6540853	7267802	1541780	forkhead box P1	Foxp1	297480	1,18	down
6723306	7267802	1541746	forkhead box P1	Foxp1	297480	1,13	down
6176912	7267802	1541758	forkhead box P1	Foxp1	297480	1,11	up
5653675	7267802	1541774	forkhead box P1	Foxp1	297480	1,09	up
6690082	7267802	1541774	forkhead box P1	Foxp1	297480	1,09	up
5921580	7267802	1541734	forkhead box P1	Foxp1	297480	1,06	up
6012665	7351844	1749478	forkhead box P4	Foxp4	363185	1,42	up
6141573	7351844	1749494	forkhead box P4	Foxp4	363185	1,36	up
6025961	7351844	1749500	forkhead box P4	Foxp4	363185	1,35	up
6204418	7351844	1749507	forkhead box P4	Foxp4	363185	1,32	down
6730035	7351844	1749498	forkhead box P4	Foxp4	363185	1,29	down

5764039	7351844	1749499	forkhead box P4	Foxp4	363185	1,21	up
5842033	7351844	1749495	forkhead box P4	Foxp4	363185	1,18	down
6540419	7351844	1749497	forkhead box P4	Foxp4	363185	1,17	up
6102176	7351844	1749504	forkhead box P4	Foxp4	363185	1,16	up
5825769	7351844	1749507	forkhead box P4	Foxp4	363185	1,15	down
6092961	7351844	1749491	forkhead box P4	Foxp4	363185	1,13	down
5672403	7351844	1749496	forkhead box P4	Foxp4	363185	1,13	up
6276935	7351844	1749505	forkhead box P4	Foxp4	363185	1,12	down
5786442	7351844	1749503	forkhead box P4	Foxp4	363185	1,10	down
6075782	7351844	1749492	forkhead box P4	Foxp4	363185	1,06	up
6118362	7351844	1749482	forkhead box P4	Foxp4	363185	1,00	down
5903871	7221613	1426797	formiminotransferase cyclodeaminase	Ftcd	89833	1,41	down
6678989	7221613	1426798	formiminotransferase cyclodeaminase	Ftcd	89833	1,39	up
6523458	7221613	1426792	formiminotransferase cyclodeaminase	Ftcd	89833	1,31	up
5620510	7221613	1426796	formiminotransferase cyclodeaminase	Ftcd	89833	1,28	up
5705939	7221613	1426799	formiminotransferase cyclodeaminase	Ftcd	89833	1,24	down
5782839	7221613	1426795	formiminotransferase cyclodeaminase	Ftcd	89833	1,21	up
6382482	7221613	1426792	formiminotransferase cyclodeaminase	Ftcd	89833	1,15	down
6307442	7221613	1426789	formiminotransferase cyclodeaminase	Ftcd	89833	1,13	down
5978852	7221613	1426787	formiminotransferase cyclodeaminase	Ftcd	89833	1,13	up
5922940	7221613	1426788	formiminotransferase cyclodeaminase	Ftcd	89833	1,10	up
6574798	7221613	1426786	formiminotransferase cyclodeaminase	Ftcd	89833	1,06	down
6257111	7221613	1426793	formiminotransferase cyclodeaminase	Ftcd	89833	1,05	up
6394266	7221613	1426791	formiminotransferase cyclodeaminase	Ftcd	89833	1,03	up
6068658	7221613	1426790	formiminotransferase cyclodeaminase	Ftcd	89833	1,02	up
6508358	7221613	1426794	formiminotransferase cyclodeaminase	Ftcd	89833	1,02	up
5774599	7108062	1147155	formin 2	Fmn2	289262	15,52	up
5672134	7108062	1147137	formin 2	Fmn2	289262	2,17	up
5686906	7108062	1147137	formin 2	Fmn2	289262	1,74	down
5875650	7108062	1147155	formin 2	Fmn2	289262	1,64	up
6445569	7108062	1147142	formin 2	Fmn2	289262	1,62	down
6133282	7108062	1147154	formin 2	Fmn2	289262	1,55	up
6529559	7108062	1147164	formin 2	Fmn2	289262	1,52	up
6200080	7108062	1147147	formin 2	Fmn2	289262	1,43	down
6274076	7108062	1147137	formin 2	Fmn2	289262	1,37	up
5862848	7108062	1147183	formin 2	Fmn2	289262	1,30	down
5787120	7108062	1147137	formin 2	Fmn2	289262	1,30	down
5688896	7108062	1147155	formin 2	Fmn2	289262	1,27	up
5752699	7108062	1147189	formin 2	Fmn2	289262	1,27	down
6736960	7108062	1147173	formin 2	Fmn2	289262	1,26	up
5895951	7108062	1147170	formin 2	Fmn2	289262	1,24	down
6681213	7108062	1147191	formin 2	Fmn2	289262	1,22	down
6367099	7108062	1147137	formin 2	Fmn2	289262	1,20	down
6248771	7108062	1147154	formin 2	Fmn2	289262	1,19	up
6152852	7108062	1147150	formin 2	Fmn2	289262	1,17	down
6251292	7108062	1147165	formin 2	Fmn2	289262	1,16	up
5801136	7108062	1147137	formin 2	Fmn2	289262	1,10	up
6011538	7108062	1147157	formin 2	Fmn2	289262	1,09	up
6737347	7108062	1147179	formin 2	Fmn2	289262	1,08	up
5971543	7108062	1147172	formin 2	Fmn2	289262	1,06	up
5827031	7108062	1147174	formin 2	Fmn2	289262	1,05	down
6069220	7108062	1147154	formin 2	Fmn2	289262	1,05	up
5656282	7108062	1147137	formin 2	Fmn2	289262	1,04	up
5900076	7108062	1147155	formin 2	Fmn2	289262	1,04	up
6291820	7108062	1147171	formin 2	Fmn2	289262	1,01	down
6357971	7237530	1466999	formin binding protein 1	Fnbp1	192348	2,57	up
6092659	7237530	1466995	formin binding protein 1	Fnbp1	192348	2,33	down

6600507	7237530	1466995	formin binding protein 1	Fnbp1	192348	1,90	down
5998770	7237530	1466997	formin binding protein 1	Fnbp1	192348	1,77	up
6633485	7237530	1467000	formin binding protein 1	Fnbp1	192348	1,48	down
6651313	7237530	1467003	formin binding protein 1	Fnbp1	192348	1,46	up
6373220	7237530	1466993	formin binding protein 1	Fnbp1	192348	1,45	down
5961555	7237530	1466991	formin binding protein 1	Fnbp1	192348	1,38	up
5795538	7237530	1467001	formin binding protein 1	Fnbp1	192348	1,34	up
6062141	7237530	1466994	formin binding protein 1	Fnbp1	192348	1,32	down
6015696	7237530	1466990	formin binding protein 1	Fnbp1	192348	1,30	down
6615871	7237530	1466996	formin binding protein 1	Fnbp1	192348	1,16	up
5958101	7237530	1466998	formin binding protein 1	Fnbp1	192348	1,16	down
6200044	7237530	1466992	formin binding protein 1	Fnbp1	192348	1,10	down
5862181	7237530	1467002	formin binding protein 1	Fnbp1	192348	1,05	down
6070538	7229885	1447142	formin binding protein 4	Fnbp4	311183	3,40	down
6001346	7229885	1447141	formin binding protein 4	Fnbp4	311183	2,16	up
6635429	7229885	1447142	formin binding protein 4	Fnbp4	311183	1,34	down
5687061	7229885	1447140	formin binding protein 4	Fnbp4	311183	1,34	up
5835632	7229885	1447142	formin binding protein 4	Fnbp4	311183	1,32	up
6628034	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,19	up
5822090	7229885	1447139	formin binding protein 4	Fnbp4	311183	1,14	down
6170192	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,08	up
6393243	7229885	1447141	formin binding protein 4	Fnbp4	311183	1,02	down
6661828	7039170	983434	fos-like antigen 1	Fos11	25445	4,03	up
6657406	7039170	983434	fos-like antigen 1	Fos11	25445	1,60	up
6508220	7039170	983435	fos-like antigen 1	Fos11	25445	1,58	up
6032279	7039170	983431	fos-like antigen 1	Fos11	25445	1,27	down
6253648	7039170	983434	fos-like antigen 1	Fos11	25445	1,09	down
5705849	7039170	983431	fos-like antigen 1	Fos11	25445	1,06	down
6079701	7039170	983434	fos-like antigen 1	Fos11	25445	1,04	up
6734738	7039170	983432	fos-like antigen 1	Fos11	25445	1,03	down
6296092	7039170	983433	fos-like antigen 1	Fos11	25445	1,02	down
5882900	7049875	1009147	free fatty acid receptor 3	Ffar3	365228	3,94	up
5994094	7049875	1009148	free fatty acid receptor 3	Ffar3	365228	1,39	down
6715711	7049875	1009147	free fatty acid receptor 3	Ffar3	365228	1,26	down
6267694	7049875	1009147	free fatty acid receptor 3	Ffar3	365228	1,06	down
6508951	7240852	1476253	frizzled-related protein	Frzb	295691	2,47	up
5969916	7240852	1476243	frizzled-related protein	Frzb	295691	2,10	up
6587435	7240852	1476243	frizzled-related protein	Frzb	295691	1,90	up
6400073	7240852	1476243	frizzled-related protein	Frzb	295691	1,48	down
6732302	7240852	1476250	frizzled-related protein	Frzb	295691	1,28	down
6494638	7240852	1476246	frizzled-related protein	Frzb	295691	1,27	down
6043023	7240852	1476248	frizzled-related protein	Frzb	295691	1,25	down
6303615	7240852	1476245	frizzled-related protein	Frzb	295691	1,22	down
6413286	7240852	1476252	frizzled-related protein	Frzb	295691	1,02	up
6158245	7074164	1066387	fructosamine 3 kinase	Fn3k	498034	1,54	down
6728252	7074164	1066386	fructosamine 3 kinase	Fn3k	498034	1,30	down
6264184	7074164	1066385	fructosamine 3 kinase	Fn3k	498034	1,18	down
6734222	7074164	1066388	fructosamine 3 kinase	Fn3k	498034	1,08	down
6130473	7074164	1066388	fructosamine 3 kinase	Fn3k	498034	1,06	up
6221283	7074164	1066386	fructosamine 3 kinase	Fn3k	498034	1,06	up
6031133	7373633	1805695	Ftsj homolog 1 (E. coli)	Ftsj1	363450	1,14	down
6016254	7280588	1574144	fucosidase, alpha-L- 1, tissue	Fuca1	24375	2,33	up
6149753	7280588	1574152	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,36	up
6632337	7280588	1574146	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,34	up
6717916	7280588	1574150	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,32	down
6033582	7280588	1574147	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,25	down
5828024	7280588	1574148	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,19	up

6183854	7280588	1574149	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,15	down
5991528	7280588	1574151	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,11	up
5656211	7280588	1574144	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,09	up
5906839	7280588	1574145	fucosidase, alpha-L- 1, tissue	Fuca1	24375	1,04	down
6119968	7037185	978399	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	2,48	down
6239491	7037185	978412	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,68	down
6251167	7037185	978409	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,31	up
5753130	7037185	978400	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,29	down
5982770	7037185	978410	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,29	up
5844356	7037185	978403	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,21	up
6207078	7037185	978405	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,15	up
6121886	7037185	978402	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,14	down
5627620	7037185	978412	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,14	up
6250184	7037185	978398	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,10	down
5992342	7037185	978411	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,07	up
5981439	7037185	978407	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,05	up
6161826	7037185	978408	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,05	up
6436165	7037185	978404	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,05	down
5984601	7037185	978401	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,05	up
5749412	7037185	978406	fusion, derived from t(12;16) malignant liposarcoma (human)	Fus	317385	1,05	down
5870183	7268847	1544533	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	2,54	up
5820839	7268847	1544535	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,89	down
6099813	7268847	1544532	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,67	up
6157414	7268847	1544535	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,56	down
6425049	7268847	1544534	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,19	up
6312149	7268847	1544536	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,15	up
6526264	7268847	1544535	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,11	up
5732927	7268847	1544536	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,11	down
5735516	7268847	1544531	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,09	up
6104900	7268847	1544530	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,07	down
5876184	7268847	1544533	FXYP domain-containing ion transport regulator 4	Fxyd4	64190	1,02	up
6635876	7050155	1009774	G patch domain containing 1	Gpatch1	292810	2,47	down
6645149	7050155	1009762	G patch domain containing 1	Gpatch1	292810	1,45	up
5649458	7050155	1009759	G patch domain containing 1	Gpatch1	292810	1,45	down
5729579	7050155	1009757	G patch domain containing 1	Gpatch1	292810	1,30	up
6604348	7050155	1009764	G patch domain containing 1	Gpatch1	292810	1,28	down
6366381	7050155	1009756	G patch domain containing 1	Gpatch1	292810	1,28	down
6699679	7050155	1009768	G patch domain containing 1	Gpatch1	292810	1,27	up
6258774	7050155	1009758	G patch domain containing 1	Gpatch1	292810	1,21	up
6369847	7050155	1009767	G patch domain containing 1	Gpatch1	292810	1,20	up
6195029	7050155	1009771	G patch domain containing 1	Gpatch1	292810	1,20	down
5795427	7050155	1009765	G patch domain containing 1	Gpatch1	292810	1,19	down
6622737	7050155	1009770	G patch domain containing 1	Gpatch1	292810	1,14	down
5654614	7050155	1009756	G patch domain containing 1	Gpatch1	292810	1,13	down
5872463	7050155	1009769	G patch domain containing 1	Gpatch1	292810	1,12	down
6537172	7050155	1009773	G patch domain containing 1	Gpatch1	292810	1,12	up
5954463	7050155	1009772	G patch domain containing 1	Gpatch1	292810	1,11	down
6019678	7050155	1009766	G patch domain containing 1	Gpatch1	292810	1,10	up
6390202	7050155	1009765	G patch domain containing 1	Gpatch1	292810	1,09	up
6709827	7050155	1009773	G patch domain containing 1	Gpatch1	292810	1,09	up
6300677	7050155	1009774	G patch domain containing 1	Gpatch1	292810	1,07	down
5628127	7050155	1009761	G patch domain containing 1	Gpatch1	292810	1,06	down
6351477	7050155	1009760	G patch domain containing 1	Gpatch1	292810	1,06	down
5857417	7050155	1009763	G patch domain containing 1	Gpatch1	292810	1,06	up
6132478	7196024	1365593	G patch domain containing 4	Gpatch4	295228	2,19	up
6147675	7196024	1365595	G patch domain containing 4	Gpatch4	295228	2,07	down
6012329	7196024	1365589	G patch domain containing 4	Gpatch4	295228	1,70	down

6683254	7196024	1365590	G patch domain containing 4	Gpatch4	295228	1,65	up
6630351	7196024	1365592	G patch domain containing 4	Gpatch4	295228	1,45	down
6724827	7196024	1365595	G patch domain containing 4	Gpatch4	295228	1,24	down
6710486	7196024	1365595	G patch domain containing 4	Gpatch4	295228	1,24	down
6386597	7196024	1365596	G patch domain containing 4	Gpatch4	295228	1,19	down
6041260	7196024	1365591	G patch domain containing 4	Gpatch4	295228	1,16	up
5776477	7196024	1365589	G patch domain containing 4	Gpatch4	295228	1,06	up
6449118	7196024	1365594	G patch domain containing 4	Gpatch4	295228	1,00	down
6312630	7359908	1769488	G protein-coupled receptor 116	Gpr116	245977	2,01	up
5714973	7359908	1769485	G protein-coupled receptor 116	Gpr116	245977	1,82	down
6061025	7359908	1769482	G protein-coupled receptor 116	Gpr116	245977	1,56	up
5788966	7359908	1769486	G protein-coupled receptor 116	Gpr116	245977	1,52	down
5955299	7359908	1769481	G protein-coupled receptor 116	Gpr116	245977	1,44	down
6282264	7359908	1769476	G protein-coupled receptor 116	Gpr116	245977	1,42	down
5925660	7359908	1769475	G protein-coupled receptor 116	Gpr116	245977	1,37	down
5955505	7359908	1769477	G protein-coupled receptor 116	Gpr116	245977	1,31	down
6125181	7359908	1769492	G protein-coupled receptor 116	Gpr116	245977	1,27	up
5667797	7359908	1769487	G protein-coupled receptor 116	Gpr116	245977	1,25	up
5658412	7359908	1769484	G protein-coupled receptor 116	Gpr116	245977	1,24	up
6630307	7359908	1769479	G protein-coupled receptor 116	Gpr116	245977	1,19	down
6678303	7359908	1769480	G protein-coupled receptor 116	Gpr116	245977	1,15	up
5997994	7359908	1769477	G protein-coupled receptor 116	Gpr116	245977	1,13	down
5768788	7359908	1769489	G protein-coupled receptor 116	Gpr116	245977	1,12	down
6689459	7359908	1769477	G protein-coupled receptor 116	Gpr116	245977	1,10	down
6699651	7359908	1769474	G protein-coupled receptor 116	Gpr116	245977	1,09	up
6318646	7359908	1769491	G protein-coupled receptor 116	Gpr116	245977	1,08	up
5804631	7359908	1769483	G protein-coupled receptor 116	Gpr116	245977	1,08	up
5842442	7359908	1769478	G protein-coupled receptor 116	Gpr116	245977	1,06	down
5737610	7359908	1769473	G protein-coupled receptor 116	Gpr116	245977	1,04	up
5915593	7359908	1769490	G protein-coupled receptor 116	Gpr116	245977	1,02	down
6281684	7384075	1829478	G protein-coupled receptor 119	Gpr119	302813	6,29	up
5722262	7384075	1829480	G protein-coupled receptor 119	Gpr119	302813	1,91	down
5786660	7384075	1829479	G protein-coupled receptor 119	Gpr119	302813	1,39	up
6481972	7384075	1829477	G protein-coupled receptor 119	Gpr119	302813	1,08	up
6502870	7044349	996664	G protein-coupled receptor 126	Gpr126	308376	2,07	down
6109649	7044349	996686	G protein-coupled receptor 126	Gpr126	308376	1,54	up
6454509	7044349	996675	G protein-coupled receptor 126	Gpr126	308376	1,53	up
6438812	7044349	996663	G protein-coupled receptor 126	Gpr126	308376	1,48	down
6579705	7044349	996681	G protein-coupled receptor 126	Gpr126	308376	1,46	down
5843635	7044349	996673	G protein-coupled receptor 126	Gpr126	308376	1,46	up
6580019	7044349	996672	G protein-coupled receptor 126	Gpr126	308376	1,39	down
5936837	7044349	996695	G protein-coupled receptor 126	Gpr126	308376	1,36	down
5922370	7044349	996694	G protein-coupled receptor 126	Gpr126	308376	1,35	up
5652774	7044349	996692	G protein-coupled receptor 126	Gpr126	308376	1,31	down
6492159	7044349	996667	G protein-coupled receptor 126	Gpr126	308376	1,30	up
6565748	7044349	996666	G protein-coupled receptor 126	Gpr126	308376	1,30	down
6022825	7044349	996677	G protein-coupled receptor 126	Gpr126	308376	1,28	down
6117875	7044349	996683	G protein-coupled receptor 126	Gpr126	308376	1,23	up
6229089	7044349	996678	G protein-coupled receptor 126	Gpr126	308376	1,23	down
6655962	7044349	996674	G protein-coupled receptor 126	Gpr126	308376	1,20	down
6155886	7044349	996677	G protein-coupled receptor 126	Gpr126	308376	1,18	down
6608975	7044349	996685	G protein-coupled receptor 126	Gpr126	308376	1,18	up
6194706	7044349	996691	G protein-coupled receptor 126	Gpr126	308376	1,16	up
6580650	7044349	996679	G protein-coupled receptor 126	Gpr126	308376	1,15	up
5636499	7044349	996681	G protein-coupled receptor 126	Gpr126	308376	1,15	down
6609246	7044349	996664	G protein-coupled receptor 126	Gpr126	308376	1,15	up
6246983	7044349	996672	G protein-coupled receptor 126	Gpr126	308376	1,11	down

6367334	7044349	996664	G protein-coupled receptor 126	Gpr126	308376	1,11	down
5739644	7044349	996689	G protein-coupled receptor 126	Gpr126	308376	1,06	down
6248494	7044349	996688	G protein-coupled receptor 126	Gpr126	308376	1,06	up
6037822	7044349	996663	G protein-coupled receptor 126	Gpr126	308376	1,06	up
6252783	7044349	996682	G protein-coupled receptor 126	Gpr126	308376	1,05	up
5932466	7044349	996687	G protein-coupled receptor 126	Gpr126	308376	1,04	down
6032008	7044349	996690	G protein-coupled receptor 126	Gpr126	308376	1,03	down
5682845	7044349	996663	G protein-coupled receptor 126	Gpr126	308376	1,03	up
5850356	7044349	996667	G protein-coupled receptor 126	Gpr126	308376	1,00	up
5928788	7044349	996674	G protein-coupled receptor 126	Gpr126	308376	1,00	up
6495018	7082098	1084112	G protein-coupled receptor 179	Gpr179	287657	1,35	down
5878188	7111418	1155750	G protein-coupled receptor 37-like 1	Gpr3711	252939	2,04	up
5627120	7111418	1155751	G protein-coupled receptor 37-like 1	Gpr3711	252939	1,69	down
5907475	7111418	1155751	G protein-coupled receptor 37-like 1	Gpr3711	252939	1,36	down
6566569	7111418	1155751	G protein-coupled receptor 37-like 1	Gpr3711	252939	1,21	down
5639022	7111418	1155749	G protein-coupled receptor 37-like 1	Gpr3711	252939	1,03	down
6049710	7182739	1332580	G protein-coupled receptor 97	Gpr97	291854	1,09	up
6205883	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	2,34	up
5760078	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	2,25	up
5822737	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,99	up
5786036	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,62	up
5886208	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,54	down
6425736	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,50	up
6402424	7385253	1832225	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,40	up
6674559	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,27	down
6482018	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,19	down
5774378	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,16	up
6373413	7385253	1832224	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,12	down
6280710	7385253	1832223	G protein-coupled receptor associated sorting protein 1	Gprasp1	171407	1,02	up
5810599	7073573	1064752	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,66	up
6447420	7073573	1064745	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,48	down
5729526	7073573	1064747	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,31	down
5666733	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,30	up
6190914	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,29	up
6744420	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,26	down
6031544	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,26	up
6558846	7073573	1064746	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,23	up
6437817	7073573	1064745	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,19	down
6671677	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,18	up
6104966	7073573	1064751	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,18	up
6208648	7073573	1064753	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,15	up
6096988	7073573	1064752	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,15	down
6258349	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,14	down
5957312	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,03	up
6077399	7073573	1064754	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,02	down
6244714	7073573	1064750	G protein-coupled receptor, family C, group 5, member C	Gprc5c	287805	1,02	down
6269601	7155624	1264727	G protein-regulated inducer of neurite outgrowth 1	Gprin1	364676	1,06	up
6315390	7115625	1166237	G0/G1switch 2	G0s2	289388	2,71	down
5880877	7115625	1166237	G0/G1switch 2	G0s2	289388	1,48	up
6329803	7115625	1166236	G0/G1switch 2	G0s2	289388	1,32	up
6691627	7375673	1810744	G1 to S phase transition 2	Gspt2	501582	2,82	down
5759591	7375673	1810744	G1 to S phase transition 2	Gspt2	501582	1,40	down
5667543	7375673	1810745	G1 to S phase transition 2	Gspt2	501582	1,33	up
5877794	7375673	1810744	G1 to S phase transition 2	Gspt2	501582	1,17	up
6066196	7375673	1810745	G1 to S phase transition 2	Gspt2	501582	1,03	down
6553684	7274318	1558296	galactose-1-phosphate uridylyltransferase	Galt	298003	2,50	up
6506021	7274318	1558300	galactose-1-phosphate uridylyltransferase	Galt	298003	1,85	up

6088285	7274318	1558298	galactose-1-phosphate uridylyltransferase	Galt	298003	1,35	up
6550991	7274318	1558295	galactose-1-phosphate uridylyltransferase	Galt	298003	1,33	down
6416830	7274318	1558303	galactose-1-phosphate uridylyltransferase	Galt	298003	1,33	down
6289000	7274318	1558294	galactose-1-phosphate uridylyltransferase	Galt	298003	1,31	up
6688154	7274318	1558299	galactose-1-phosphate uridylyltransferase	Galt	298003	1,26	up
5673695	7274318	1558302	galactose-1-phosphate uridylyltransferase	Galt	298003	1,11	down
5908974	7274318	1558297	galactose-1-phosphate uridylyltransferase	Galt	298003	1,11	down
6087838	7274318	1558301	galactose-1-phosphate uridylyltransferase	Galt	298003	1,09	down
6725906	7274318	1558304	galactose-1-phosphate uridylyltransferase	Galt	298003	1,03	down
5940966	7274318	1558304	galactose-1-phosphate uridylyltransferase	Galt	298003	1,01	down
6395842	7274318	1558294	galactose-1-phosphate uridylyltransferase	Galt	298003	1,01	down
6092617	7341002	1722561	galactosidase, beta 1	Glb1	316033	2,53	up
6025629	7341002	1722551	galactosidase, beta 1	Glb1	316033	2,40	down
6717300	7341002	1722544	galactosidase, beta 1	Glb1	316033	2,17	down
5907261	7341002	1722550	galactosidase, beta 1	Glb1	316033	2,05	down
6256956	7341002	1722541	galactosidase, beta 1	Glb1	316033	2,05	down
5793819	7341002	1722561	galactosidase, beta 1	Glb1	316033	1,91	down
5964907	7341002	1722553	galactosidase, beta 1	Glb1	316033	1,91	down
5700151	7341002	1722545	galactosidase, beta 1	Glb1	316033	1,90	down
5756538	7341002	1722539	galactosidase, beta 1	Glb1	316033	1,85	down
6670820	7341002	1722555	galactosidase, beta 1	Glb1	316033	1,85	down
5846373	7341002	1722543	galactosidase, beta 1	Glb1	316033	1,85	down
6687603	7341002	1722546	galactosidase, beta 1	Glb1	316033	1,59	down
6489721	7341002	1722554	galactosidase, beta 1	Glb1	316033	1,56	down
6051756	7341002	1722540	galactosidase, beta 1	Glb1	316033	1,42	down
6060718	7341002	1722537	galactosidase, beta 1	Glb1	316033	1,40	down
5755127	7341002	1722561	galactosidase, beta 1	Glb1	316033	1,33	down
5829336	7341002	1722538	galactosidase, beta 1	Glb1	316033	1,32	down
6297843	7341002	1722530	galactosidase, beta 1	Glb1	316033	1,25	up
6045846	7341002	1722530	galactosidase, beta 1	Glb1	316033	1,02	up
6680994	7363922	1778861	galactosidase, beta 1-like	Glb11	301525	2,13	down
6219722	7363922	1778866	galactosidase, beta 1-like	Glb11	301525	2,01	down
6396655	7363922	1778858	galactosidase, beta 1-like	Glb11	301525	1,65	down
5751956	7363922	1778859	galactosidase, beta 1-like	Glb11	301525	1,50	down
6518282	7363922	1778867	galactosidase, beta 1-like	Glb11	301525	1,49	up
5633044	7363922	1778869	galactosidase, beta 1-like	Glb11	301525	1,41	down
6102427	7363922	1778864	galactosidase, beta 1-like	Glb11	301525	1,34	down
6462365	7363922	1778871	galactosidase, beta 1-like	Glb11	301525	1,33	down
6077121	7363922	1778868	galactosidase, beta 1-like	Glb11	301525	1,29	up
5783964	7363922	1778856	galactosidase, beta 1-like	Glb11	301525	1,29	down
6712577	7363922	1778860	galactosidase, beta 1-like	Glb11	301525	1,27	down
6584530	7363922	1778868	galactosidase, beta 1-like	Glb11	301525	1,27	up
6631597	7363922	1778857	galactosidase, beta 1-like	Glb11	301525	1,23	down
6334102	7363922	1778860	galactosidase, beta 1-like	Glb11	301525	1,19	down
6734778	7363922	1778870	galactosidase, beta 1-like	Glb11	301525	1,19	down
5817659	7363922	1778867	galactosidase, beta 1-like	Glb11	301525	1,16	down
6231005	7363922	1778865	galactosidase, beta 1-like	Glb11	301525	1,15	down
6289873	7363922	1778870	galactosidase, beta 1-like	Glb11	301525	1,07	up
6160003	7363922	1778863	galactosidase, beta 1-like	Glb11	301525	1,04	down
6029073	7310851	1649616	gamma-2a immunoglobulin heavy chain	IgG-2a	367586	1,42	down
6613064	7310851	1649632	gamma-2a immunoglobulin heavy chain	IgG-2a	367586	1,08	up
5693719	7310851	1649635	gamma-2a immunoglobulin heavy chain	IgG-2a	367586	1,06	up
6595425	7310851	1649615	gamma-2a immunoglobulin heavy chain	IgG-2a	367586	1,03	up
6695643	7310851	1649617	gamma-2a immunoglobulin heavy chain	IgG-2a	367586	1,01	up
5972528	7310851	1649636	gamma-2a immunoglobulin heavy chain	IgG-2a	367586	1,01	down
5733925	7310851	1649614	gamma-2a immunoglobulin heavy chain /// Immunoglobulin heavy chain (gamma polypeptide)	IgG-2a /// Ighg	367586 /// 299354	1,99	up
6253409	7310851	1649618	gamma-2a immunoglobulin heavy chain /// Immunoglobulin heavy chain (gamma polypeptide) /// imG-2a /// Ighg /// Igh-86 /// 299354 /// 29	IgG-2a /// Ighg /// Igh-86	367586 /// 299354 /// 29	1,36	down

5834153	7125168	1189621	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	2,08	up
6627168	7125168	1189617	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,80	up
6369146	7125168	1189616	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,61	down
6097062	7125168	1189616	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,33	down
6329720	7125168	1189620	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,28	up
5846179	7125168	1189623	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,16	up
5879699	7125168	1189625	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,12	up
6711601	7125168	1189619	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,10	up
6255876	7125168	1189622	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,10	up
6604306	7125168	1189616	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,09	down
6346087	7125168	1189624	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,06	down
6095665	7125168	1189621	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,05	down
5661316	7125168	1189618	gamma-aminobutyric acid (GABA) A receptor, beta 1	Gabrb1	25450	1,02	down
5734680	7032152	966032	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	2,54	down
6290485	7032152	966029	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,34	up
5768027	7032152	966029	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,34	up
6219432	7032152	966037	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,33	down
6501181	7032152	966029	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,30	up
5780736	7032152	966031	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,29	up
6007640	7032152	966030	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,17	up
5852020	7032152	966033	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,16	down
6242468	7032152	966038	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,15	down
5843855	7032152	966036	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,15	up
5853834	7032152	966039	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,13	up
6480539	7032152	966035	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,12	down
5838138	7032152	966034	gamma-aminobutyric acid (GABA) A receptor, beta 3	Gabrb3	24922	1,05	up
5667195	7118247	1172861	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	2,19	up
6596155	7118247	1172865	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,69	down
5798327	7118247	1172858	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,20	up
5855103	7118247	1172861	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,17	down
5890766	7118247	1172863	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,16	down
5617964	7118247	1172864	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,14	up
6294682	7118247	1172860	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,09	down
6297317	7118247	1172862	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,05	down
6530784	7118247	1172861	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,04	up
6561865	7118247	1172866	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,01	down
6241659	7118247	1172859	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,00	down
5996144	7118247	1172859	gamma-aminobutyric acid (GABA) A receptor, gamma 1	Gabrg1	140674	1,00	up
6387751	7051876	1013514	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	4,59	down
6243187	7051876	1013507	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	2,28	up
6241349	7051876	1013511	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	2,25	up
5732012	7051876	1013514	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	2,19	down
5734042	7051876	1013506	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,94	up
6100312	7051876	1013514	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,82	down
5782600	7051876	1013509	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,66	up
6587785	7051876	1013510	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,49	down
6180890	7051876	1013505	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,41	down
6192790	7051876	1013511	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,34	up
5983896	7051876	1013512	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,30	up
6571134	7051876	1013508	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,13	up
6492128	7051876	1013513	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,08	down
5662269	7051876	1013504	gamma-aminobutyric acid (GABA) A receptor, gamma 3	Gabrg3	79211	1,00	down
6312983	7220292	1423776	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	2,54	up
6686338	7220292	1423754	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,69	up
6345237	7220292	1423771	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,61	down
6579621	7220292	1423770	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,58	down
6374156	7220292	1423758	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,55	up

6378786	7220292	1423774	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,42	down
5893750	7220292	1423754	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,39	up
5749315	7220292	1423755	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,37	up
5797342	7220292	1423769	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,34	down
6442485	7220292	1423775	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,28	down
5997306	7220292	1423754	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,24	down
6720092	7220292	1423759	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,24	down
6043824	7220292	1423762	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,22	up
6562710	7220292	1423768	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,21	down
5949477	7220292	1423766	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,20	down
6549234	7220292	1423767	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,15	down
5836306	7220292	1423761	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,13	up
5828133	7220292	1423757	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,12	down
6216609	7220292	1423763	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,11	up
5694797	7220292	1423765	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,06	down
5754951	7220292	1423771	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,05	down
5955829	7220292	1423760	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,05	up
6134377	7220292	1423754	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,03	up
6444307	7220292	1423753	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,03	up
6137859	7220292	1423764	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,01	up
6139858	7220292	1423756	gamma-aminobutyric acid (GABA) B receptor 1	Gabbr1	81657	1,00	down
6106871	7285948	1586765	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	2,03	up
5847771	7285948	1586765	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,94	up
6662688	7285948	1586765	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,70	up
5652302	7285948	1586766	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,68	down
6547951	7285948	1586769	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,52	up
5696196	7285948	1586782	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,46	down
5911692	7285948	1586780	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,44	down
6082012	7285948	1586784	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,42	down
6062367	7285948	1586776	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,41	up
5753361	7285948	1586766	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,39	up
6714386	7285948	1586767	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,33	up
5969770	7285948	1586774	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,32	down
6206092	7285948	1586771	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,26	down
5894055	7285948	1586765	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,22	up
5784923	7285948	1586773	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,17	down
6290621	7285948	1586783	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,14	down
5800480	7285948	1586765	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,14	down
6494166	7285948	1586777	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,12	up
6391508	7285948	1586768	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,12	up
6179771	7285948	1586778	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,11	down
6255497	7285948	1586772	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,09	up
6248395	7285948	1586770	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,08	up
6444335	7285948	1586779	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,04	up
6194548	7285948	1586784	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,04	down
6124375	7285948	1586775	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,02	down
5977347	7285948	1586781	gamma-aminobutyric acid (GABA) B receptor 2	Gabbr2	83633	1,00	up
5644893	7118234	1172833	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	2,34	up
6655729	7118234	1172836	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,79	up
6540300	7118234	1172844	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,57	down
6145484	7118234	1172835	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,49	down
6296225	7118234	1172839	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,41	down
6334184	7118234	1172841	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,22	up
5636810	7118234	1172838	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,15	up
6413078	7118234	1172822	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,06	up
6693633	7118234	1172835	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,06	down
5737390	7118234	1172823	gamma-aminobutyric acid (GABA-A) receptor, subunit alpha 2	Gabra2	289606	1,04	up

6021553	7069429	1054503	gamma-glutamyl transferase 6	Ggt6	408206	2,34	up
6489781	7069429	1054503	gamma-glutamyl transferase 6	Ggt6	408206	1,62	down
6199552	7069429	1054501	gamma-glutamyl transferase 6	Ggt6	408206	1,58	up
6252423	7069429	1054501	gamma-glutamyl transferase 6	Ggt6	408206	1,50	down
5948522	7069429	1054503	gamma-glutamyl transferase 6	Ggt6	408206	1,46	up
6741608	7069429	1054502	gamma-glutamyl transferase 6	Ggt6	408206	1,13	up
6297890	7069429	1054503	gamma-glutamyl transferase 6	Ggt6	408206	1,05	down
6477120	7069429	1054500	gamma-glutamyl transferase 6	Ggt6	408206	1,04	down
6712542	7318143	1668094	gasdermin D	Gsdmd	315084	2,68	up
6699560	7318143	1668093	gasdermin D	Gsdmd	315084	1,97	up
5814642	7318143	1668089	gasdermin D	Gsdmd	315084	1,64	up
5666782	7318143	1668093	gasdermin D	Gsdmd	315084	1,37	down
5951713	7318143	1668091	gasdermin D	Gsdmd	315084	1,34	down
6234713	7318143	1668090	gasdermin D	Gsdmd	315084	1,20	up
6572221	7318143	1668094	gasdermin D	Gsdmd	315084	1,14	up
6165488	7318143	1668094	gasdermin D	Gsdmd	315084	1,07	up
5800586	7318143	1668094	gasdermin D	Gsdmd	315084	1,07	down
6229785	7318143	1668094	gasdermin D	Gsdmd	315084	1,06	up
5842558	7318143	1668094	gasdermin D	Gsdmd	315084	1,06	down
6570802	7318143	1668094	gasdermin D	Gsdmd	315084	1,05	up
6389438	7318143	1668091	gasdermin D	Gsdmd	315084	1,05	down
5645717	7318143	1668091	gasdermin D	Gsdmd	315084	1,03	down
6041652	7318143	1668092	gasdermin D	Gsdmd	315084	1,03	down
5888694	7318143	1668088	gasdermin D	Gsdmd	315084	1,00	up
6490236	7102889	1134861	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	2,14	down
5991052	7102889	1134859	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,86	down
6068277	7102889	1134866	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,56	up
6405679	7102889	1134851	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,48	down
6251096	7102889	1134880	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,36	down
6552105	7102889	1134872	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,35	up
6277540	7102889	1134869	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,32	up
5949333	7102889	1134853	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,28	up
6367338	7102889	1134873	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,26	up
6407334	7102889	1134878	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,23	up
6265866	7102889	1134876	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,22	up
6636046	7102889	1134881	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,17	down
5969869	7102889	1134874	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,15	up
6697781	7102889	1134851	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,12	up
6555470	7102889	1134860	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,12	up
5906701	7102889	1134882	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,11	up
6627969	7102889	1134871	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,10	up
5845274	7102889	1134854	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,07	up
6668079	7102889	1134864	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,07	down
5968022	7102889	1134852	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,06	down
5846262	7102889	1134863	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,06	down
6039511	7102889	1134870	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,03	down
6563987	7102889	1134862	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,03	down
6721068	7102889	1134865	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,03	up
6544427	7102889	1134858	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,01	down
6164774	7102889	1134855	GCN1 general control of amino-acid synthesis 1-like 1 (yeast)	Gcn111	690632	1,01	down
6570055	7157189	1268588	GDP-mannose 4, 6-dehydratase	Gmds	291095	2,44	up
5964021	7157189	1268604	GDP-mannose 4, 6-dehydratase	Gmds	291095	1,61	up
6262509	7157189	1268607	GDP-mannose 4, 6-dehydratase	Gmds	291095	1,31	up
6148297	7157189	1268633	GDP-mannose 4, 6-dehydratase	Gmds	291095	1,20	down
6553384	7157189	1268606	GDP-mannose 4, 6-dehydratase	Gmds	291095	1,18	up
5688057	7157189	1268625	GDP-mannose 4, 6-dehydratase	Gmds	291095	1,17	down
6457329	7157189	1268659	GDP-mannose 4, 6-dehydratase	Gmds	291095	1,06	up

6192107	7157189	1268683	GDP-mannose 4, 6-dehydratase	Gmgs	291095	1,06	up
5973170	7157189	1268660	GDP-mannose 4, 6-dehydratase	Gmgs	291095	1,06	up
6138668	7157189	1268626	GDP-mannose 4, 6-dehydratase	Gmgs	291095	1,04	down
6480968	7157189	1268685	GDP-mannose 4, 6-dehydratase	Gmgs	291095	1,00	up
6236403	7178644	1321607	gene trap locus 3	Gtl3	307642	1,22	down
6285559	7178644	1321612	gene trap locus 3	Gtl3	307642	1,15	down
5726275	7178644	1321607	gene trap locus 3	Gtl3	307642	1,14	down
6609505	7178644	1321611	gene trap locus 3	Gtl3	307642	1,10	down
6656769	7178644	1321610	gene trap locus 3	Gtl3	307642	1,09	up
5909854	7178644	1321608	gene trap locus 3	Gtl3	307642	1,08	down
5716076	7178644	1321609	gene trap locus 3	Gtl3	307642	1,06	down
6439028	7178644	1321612	gene trap locus 3	Gtl3	307642	1,03	down
6095671	7178644	1321607	gene trap locus 3	Gtl3	307642	1,02	up
6066460	7088538	1099641	general transcription factor IIE, polypeptide 1, alpha	Gtf2e1	303918	2,15	up
6371908	7088538	1099640	general transcription factor IIE, polypeptide 1, alpha	Gtf2e1	303918	1,42	up
6142612	7088538	1099632	general transcription factor IIE, polypeptide 1, alpha	Gtf2e1	303918	1,06	down
5819336	7088538	1099639	general transcription factor IIE, polypeptide 1, alpha	Gtf2e1	303918	1,06	down
6631771	7088538	1099641	general transcription factor IIE, polypeptide 1, alpha	Gtf2e1	303918	1,00	down
6001949	7203018	1382658	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	2,61	down
6374775	7203018	1382647	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,40	down
5630163	7203018	1382656	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,32	up
6243931	7203018	1382659	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,21	up
6362888	7203018	1382650	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,21	up
5801152	7203018	1382659	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,14	up
5797741	7203018	1382652	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,13	up
6271169	7203018	1382650	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,10	up
6617721	7203018	1382644	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,09	up
5849625	7203018	1382649	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,06	up
6529314	7203018	1382654	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,05	up
6453929	7203018	1382645	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,05	up
6098351	7203018	1382653	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,05	up
5858470	7203018	1382648	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,04	up
6717373	7203018	1382644	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,04	up
6193673	7203018	1382657	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,01	down
5670579	7203018	1382646	general transcription factor IIH, polypeptide 2	Gtf2h2	294693	1,00	down
6646854	7181452	1328924	gigaxonin	Gan	307893	2,03	down
6394364	7181452	1328930	gigaxonin	Gan	307893	1,93	down
5650078	7181452	1328921	gigaxonin	Gan	307893	1,81	down
6495062	7181452	1328928	gigaxonin	Gan	307893	1,50	down
6097678	7181452	1328915	gigaxonin	Gan	307893	1,47	up
5706862	7181452	1328927	gigaxonin	Gan	307893	1,40	up
6354398	7181452	1328929	gigaxonin	Gan	307893	1,20	down
6011407	7181452	1328923	gigaxonin	Gan	307893	1,18	down
6428832	7181452	1328931	gigaxonin	Gan	307893	1,14	down
5901483	7181452	1328925	gigaxonin	Gan	307893	1,08	down
6676521	7181452	1328931	gigaxonin	Gan	307893	1,06	up
6736318	7181452	1328926	gigaxonin	Gan	307893	1,01	up
6542041	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	2,33	up
5755303	7182679	1332418	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	2,20	up
6191342	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,59	down
5804118	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,54	up
6495433	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,41	down
6572464	7182679	1332418	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,36	up
6067787	7182679	1332418	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,33	up
5630092	7182679	1332420	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,24	up
5859691	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,19	down
5818969	7182679	1332420	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,19	up

5743454	7182679	1332421	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,17	down
6161186	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,15	down
6419716	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,09	up
5992565	7182679	1332417	GINS complex subunit 3 (Psf3 homolog)	Gins3	307639	1,07	down
5873810	7312333	1652754	GIPC PDZ domain containing family, member 3	Gipc3	500789	2,49	down
5934999	7312333	1652757	GIPC PDZ domain containing family, member 3	Gipc3	500789	2,42	up
6144102	7312333	1652758	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,52	up
5924488	7312333	1652759	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,35	down
6592512	7312333	1652759	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,25	down
5955430	7312333	1652754	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,20	up
6324610	7312333	1652759	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,18	down
5809627	7312333	1652755	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,09	up
6521184	7312333	1652756	GIPC PDZ domain containing family, member 3	Gipc3	500789	1,08	up
6267842	7274593	1558816	GLI pathogenesis-related 2	Glipr2	679819	1,29	up
6589180	7326245	1686393	GLI-Kruppel family member GLI1	Gli1	140589	1,07	up
6042067	7110330	1152893	GLI-Kruppel family member GLI2	Gli2	304729	2,25	down
6093404	7110330	1152885	GLI-Kruppel family member GLI2	Gli2	304729	1,64	down
6172018	7110330	1152907	GLI-Kruppel family member GLI2	Gli2	304729	1,61	down
5717342	7110330	1152890	GLI-Kruppel family member GLI2	Gli2	304729	1,39	down
6243664	7110330	1152892	GLI-Kruppel family member GLI2	Gli2	304729	1,39	down
5657189	7110330	1152887	GLI-Kruppel family member GLI2	Gli2	304729	1,31	down
5998251	7110330	1152886	GLI-Kruppel family member GLI2	Gli2	304729	1,29	down
5808078	7110330	1152897	GLI-Kruppel family member GLI2	Gli2	304729	1,21	down
5953477	7110330	1152893	GLI-Kruppel family member GLI2	Gli2	304729	1,11	up
6006878	7110330	1152891	GLI-Kruppel family member GLI2	Gli2	304729	1,09	up
6591255	7110330	1152907	GLI-Kruppel family member GLI2	Gli2	304729	1,08	up
6617759	7110330	1152885	GLI-Kruppel family member GLI2	Gli2	304729	1,07	down
6336511	7110330	1152889	GLI-Kruppel family member GLI2	Gli2	304729	1,06	up
6159447	7110330	1152888	GLI-Kruppel family member GLI2	Gli2	304729	1,05	up
6314084	7110330	1152896	GLI-Kruppel family member GLI2	Gli2	304729	1,00	down
6601947	7217445	1416468	glucagon-like peptide 1 receptor	Glp1r	25051	2,28	up
6073728	7217445	1416479	glucagon-like peptide 1 receptor	Glp1r	25051	1,36	up
6495815	7217445	1416478	glucagon-like peptide 1 receptor	Glp1r	25051	1,22	down
6258749	7217445	1416479	glucagon-like peptide 1 receptor	Glp1r	25051	1,21	up
5620370	7217445	1416473	glucagon-like peptide 1 receptor	Glp1r	25051	1,19	down
6038250	7217445	1416480	glucagon-like peptide 1 receptor	Glp1r	25051	1,15	down
6025733	7217445	1416470	glucagon-like peptide 1 receptor	Glp1r	25051	1,11	down
6507110	7217445	1416472	glucagon-like peptide 1 receptor	Glp1r	25051	1,07	down
5901366	7217445	1416469	glucagon-like peptide 1 receptor	Glp1r	25051	1,03	down
5689073	7217445	1416476	glucagon-like peptide 1 receptor	Glp1r	25051	1,02	down
6024417	7217445	1416471	glucagon-like peptide 1 receptor	Glp1r	25051	1,02	up
6449980	7217445	1416475	glucagon-like peptide 1 receptor	Glp1r	25051	1,01	up
6598017	7217445	1416474	glucagon-like peptide 1 receptor	Glp1r	25051	1,01	down
6337491	7217445	1416477	glucagon-like peptide 1 receptor	Glp1r	25051	1,00	down
5960647	7078806	1076966	glucagon-like peptide 2 receptor	Glp2r	60432	2,24	down
6008419	7078806	1076959	glucagon-like peptide 2 receptor	Glp2r	60432	1,21	down
5738724	7078806	1076956	glucagon-like peptide 2 receptor	Glp2r	60432	1,09	up
6173062	7078806	1076954	glucagon-like peptide 2 receptor	Glp2r	60432	1,08	up
6387581	7078806	1076960	glucagon-like peptide 2 receptor	Glp2r	60432	1,07	up
6089095	7078806	1076963	glucagon-like peptide 2 receptor	Glp2r	60432	1,06	up
6382426	7078806	1076961	glucagon-like peptide 2 receptor	Glp2r	60432	1,06	up
5941730	7078806	1076958	glucagon-like peptide 2 receptor	Glp2r	60432	1,05	up
6668280	7078806	1076962	glucagon-like peptide 2 receptor	Glp2r	60432	1,05	up
6597305	7078806	1076964	glucagon-like peptide 2 receptor	Glp2r	60432	1,04	up
5629070	7078806	1076965	glucagon-like peptide 2 receptor	Glp2r	60432	1,02	down
6246079	7078806	1076955	glucagon-like peptide 2 receptor	Glp2r	60432	1,01	down
6339757	7078806	1076960	glucagon-like peptide 2 receptor	Glp2r	60432	1,01	down

5657086	7078806	1076957	glucagon-like peptide 2 receptor	Glp2r	60432	1,00	up
6379357	7127894	1196086	glucokinase	Gck	24385	2,05	up
6252277	7127894	1196082	glucokinase	Gck	24385	1,70	down
6224674	7127894	1196080	glucokinase	Gck	24385	1,66	down
6172541	7127894	1196081	glucokinase	Gck	24385	1,40	down
6278165	7127894	1196079	glucokinase	Gck	24385	1,36	down
6296565	7127894	1196077	glucokinase	Gck	24385	1,35	down
6181977	7127894	1196083	glucokinase	Gck	24385	1,34	down
6220760	7127894	1196084	glucokinase	Gck	24385	1,33	up
5772637	7127894	1196085	glucokinase	Gck	24385	1,25	up
5786560	7127894	1196084	glucokinase	Gck	24385	1,22	up
6480809	7127894	1196075	glucokinase	Gck	24385	1,21	down
6199545	7127894	1196082	glucokinase	Gck	24385	1,11	down
6432505	7127894	1196078	glucokinase	Gck	24385	1,11	down
5929711	7127894	1196076	glucokinase	Gck	24385	1,06	down
6169427	7163357	1283040	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	2,23	up
6521763	7163357	1283039	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,40	up
6611298	7163357	1283038	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,37	down
6249022	7163357	1283042	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,23	down
5826836	7163357	1283040	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,20	down
6735811	7163357	1283042	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,12	down
5641628	7163357	1283037	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,10	down
5694550	7163357	1283042	glucosaminyl (N-acetyl) transferase 2, I-branching enzyme	Gcnt2	306860	1,02	down
5729398	7347246	1738064	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	2,30	up
5923560	7347246	1738064	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	1,51	up
6194568	7347246	1738065	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	1,25	down
6020034	7347246	1738064	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	1,16	down
5671279	7347246	1738065	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	1,14	down
6253647	7347246	1738063	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	1,13	down
6033321	7347246	1738065	glucosaminyl (N-acetyl) transferase 3, mucin type	Gcnt3	286976	1,09	down
6285961	7267311	1540177	glutamate receptor interacting protein 2	Grip2	171571	2,17	down
6738831	7267311	1540186	glutamate receptor interacting protein 2	Grip2	171571	2,05	up
6496329	7267311	1540179	glutamate receptor interacting protein 2	Grip2	171571	2,04	up
5798721	7267311	1540176	glutamate receptor interacting protein 2	Grip2	171571	1,60	up
6251648	7267311	1540173	glutamate receptor interacting protein 2	Grip2	171571	1,60	down
6464922	7267311	1540177	glutamate receptor interacting protein 2	Grip2	171571	1,43	up
6084743	7267311	1540184	glutamate receptor interacting protein 2	Grip2	171571	1,42	down
6641690	7267311	1540188	glutamate receptor interacting protein 2	Grip2	171571	1,41	up
6571179	7267311	1540192	glutamate receptor interacting protein 2	Grip2	171571	1,40	down
5624264	7267311	1540186	glutamate receptor interacting protein 2	Grip2	171571	1,35	up
6527400	7267311	1540196	glutamate receptor interacting protein 2	Grip2	171571	1,30	up
6533729	7267311	1540186	glutamate receptor interacting protein 2	Grip2	171571	1,25	up
5872551	7267311	1540191	glutamate receptor interacting protein 2	Grip2	171571	1,25	up
6485484	7267311	1540175	glutamate receptor interacting protein 2	Grip2	171571	1,24	down
6172964	7267311	1540188	glutamate receptor interacting protein 2	Grip2	171571	1,19	down
5796521	7267311	1540181	glutamate receptor interacting protein 2	Grip2	171571	1,19	down
6575368	7267311	1540180	glutamate receptor interacting protein 2	Grip2	171571	1,18	up
6335634	7267311	1540198	glutamate receptor interacting protein 2	Grip2	171571	1,14	up
6460964	7267311	1540183	glutamate receptor interacting protein 2	Grip2	171571	1,13	down
6354142	7267311	1540195	glutamate receptor interacting protein 2	Grip2	171571	1,12	down
6722848	7267311	1540185	glutamate receptor interacting protein 2	Grip2	171571	1,12	down
6170775	7267311	1540197	glutamate receptor interacting protein 2	Grip2	171571	1,10	down
6524645	7267311	1540189	glutamate receptor interacting protein 2	Grip2	171571	1,10	down
5726063	7267311	1540187	glutamate receptor interacting protein 2	Grip2	171571	1,08	up
6188470	7267311	1540176	glutamate receptor interacting protein 2	Grip2	171571	1,08	up
5840930	7267311	1540172	glutamate receptor interacting protein 2	Grip2	171571	1,06	down
6571614	7267311	1540198	glutamate receptor interacting protein 2	Grip2	171571	1,05	up

6265183	7267311	1540190	glutamate receptor interacting protein 2	Grip2	171571	1,04	down
5624286	7267311	1540197	glutamate receptor interacting protein 2	Grip2	171571	1,04	up
6161168	7267311	1540178	glutamate receptor interacting protein 2	Grip2	171571	1,03	up
5876108	7267311	1540194	glutamate receptor interacting protein 2	Grip2	171571	1,03	down
6530479	7267311	1540182	glutamate receptor interacting protein 2	Grip2	171571	1,02	down
6571774	7267311	1540174	glutamate receptor interacting protein 2	Grip2	171571	1,02	down
6408260	7267311	1540193	glutamate receptor interacting protein 2	Grip2	171571	1,01	down
6387882	7378827	1818138	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	2,02	down
5923317	7378827	1818134	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,96	down
6091911	7378827	1818135	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,89	down
6501822	7378827	1818148	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,88	up
6308206	7378827	1818138	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,83	down
6583717	7378827	1818136	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,69	down
6692984	7378827	1818146	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,69	up
5778106	7378827	1818151	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,67	up
6014282	7378827	1818150	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,62	down
5978336	7378827	1818149	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,55	up
5850608	7378827	1818144	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,30	down
6715607	7378827	1818147	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,28	up
6405912	7378827	1818139	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,28	up
6684215	7378827	1818141	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,24	up
5885600	7378827	1818145	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,14	up
5890174	7378827	1818143	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,11	up
5707532	7378827	1818140	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,08	down
6350536	7378827	1818142	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,07	up
5868430	7378827	1818150	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,06	up
5631467	7378827	1818148	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,05	down
6171768	7378827	1818137	glutamate receptor, ionotropic, AMPA 3	Gria3	29628	1,04	up
5842501	7210001	1399150	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	3,13	up
5730604	7210001	1399139	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	2,17	down
6562329	7210001	1399153	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	2,08	up
5869559	7210001	1399157	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,79	up
6091495	7210001	1399143	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,42	up
6279663	7210001	1399144	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,37	down
5712325	7210001	1399145	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,33	up
6512727	7210001	1399147	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,27	down
5845163	7210001	1399140	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,26	down
6353229	7210001	1399142	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,20	down
6278753	7210001	1399152	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,19	down
6721337	7210001	1399146	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,18	down
5880722	7210001	1399155	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,16	down
6000746	7210001	1399148	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,15	down
5858128	7210001	1399141	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,10	up
6450124	7210001	1399149	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,08	down
6097715	7210001	1399141	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,07	down
5647256	7210001	1399156	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,06	up
6641322	7210001	1399156	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,03	down
5661659	7210001	1399151	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,03	down
5729134	7210001	1399154	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,02	down
6494964	7210001	1399157	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,01	up
5993083	7210001	1399140	glutamate receptor, ionotropic, AMPA 2	Gria2	29627	1,00	down
5787660	7341881	1724665	glutamate receptor, ionotropic, AMPA4	Gria4	29629	2,33	down
6556873	7341881	1724677	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,98	down
5871227	7341881	1724666	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,89	down
6406665	7341881	1724680	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,81	up
6358071	7341881	1724675	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,62	up
6333153	7341881	1724679	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,60	up

6568877	7341881	1724669	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,59	down
6471328	7341881	1724670	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,53	up
6616517	7341881	1724676	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,48	down
6243284	7341881	1724673	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,41	up
6225009	7341881	1724673	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,33	up
6527675	7341881	1724672	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,27	up
6597220	7341881	1724674	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,21	up
5987051	7341881	1724667	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,12	up
5849642	7341881	1724678	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,06	up
6205138	7341881	1724663	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,06	down
5710103	7341881	1724679	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,04	up
5731237	7341881	1724668	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,02	down
5697542	7341881	1724664	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,02	up
6255864	7341881	1724671	glutamate receptor, ionotropic, AMPA4	Gria4	29629	1,01	up
6199909	7279469	1571687	glutamate receptor, ionotropic, kainate 3	Grik3	298521	2,46	down
6020965	7279469	1571678	glutamate receptor, ionotropic, kainate 3	Grik3	298521	2,17	up
6491560	7279469	1571684	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,94	down
5679681	7279469	1571689	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,64	down
5843006	7279469	1571676	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,38	down
6354048	7279469	1571680	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,27	down
6244647	7279469	1571690	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,20	up
6008684	7279469	1571688	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,19	up
5906796	7279469	1571689	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,17	up
6374012	7279469	1571685	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,12	down
6332238	7279469	1571681	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,12	up
6286739	7279469	1571679	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,12	up
6362233	7279469	1571682	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,11	down
5744604	7279469	1571688	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,10	down
5804825	7279469	1571683	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,10	up
6377746	7279469	1571673	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,09	up
5629608	7279469	1571674	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,09	up
5877028	7279469	1571675	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,03	down
6365335	7279469	1571674	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,02	up
6130185	7279469	1571686	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,01	down
6602569	7279469	1571677	glutamate receptor, ionotropic, kainate 3	Grik3	298521	1,00	down
5857418	7048873	1007287	glutamate receptor, ionotropic, kainate 5	Grik5	24407	2,31	up
6543903	7048873	1007304	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,74	up
6425340	7048873	1007287	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,45	up
5662570	7048873	1007307	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,35	down
6056939	7048873	1007298	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,34	down
6298841	7048873	1007289	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,32	down
6734713	7048873	1007291	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,30	down
5912081	7048873	1007299	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,24	down
5685908	7048873	1007287	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,20	up
5648525	7048873	1007287	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,19	down
6513397	7048873	1007303	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,19	down
6566641	7048873	1007301	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,17	down
6509750	7048873	1007302	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,14	down
6430298	7048873	1007306	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,11	down
6162038	7048873	1007292	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,10	up
6053633	7048873	1007300	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,09	up
6094456	7048873	1007293	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,09	down
6517361	7048873	1007295	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,07	up
5673434	7048873	1007288	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,06	up
6392746	7048873	1007304	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,05	down
5858909	7048873	1007306	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,05	down
6146471	7048873	1007305	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,04	down

6519297	7048873	1007290	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,03	up
5689816	7048873	1007297	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,02	down
5637137	7048873	1007288	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,02	down
5784966	7048873	1007294	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,00	down
6524896	7048873	1007296	glutamate receptor, ionotropic, kainate 5	Grik5	24407	1,00	up
6033860	7236770	1465180	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	3,47	up
6174453	7236770	1465191	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	2,23	down
5926261	7236770	1465181	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	2,05	up
5922414	7236770	1465197	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,94	up
6163377	7236770	1465184	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,93	down
5724922	7236770	1465192	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,90	up
5773298	7236770	1465193	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,59	down
6147869	7236770	1465179	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,57	up
5774910	7236770	1465179	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,44	up
5976648	7236770	1465198	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,36	up
5709479	7236770	1465186	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,32	up
6268664	7236770	1465188	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,27	down
5786901	7236770	1465200	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,24	down
5909825	7236770	1465182	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,22	down
6316258	7236770	1465179	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,17	down
6289887	7236770	1465195	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,14	down
6073946	7236770	1465199	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,14	up
6369196	7236770	1465189	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,08	down
6272469	7236770	1465190	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,08	up
5934925	7236770	1465196	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,07	down
6512545	7236770	1465186	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,07	down
6238938	7236770	1465194	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,07	down
6320504	7236770	1465185	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,05	up
6608443	7236770	1465183	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,05	down
6554637	7236770	1465187	glutamate receptor, ionotropic, N-methyl D-aspartate 1	Grin1	24408	1,01	down
6012846	7370910	1798538	glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A	Grin1a	192147	1,31	down
5760065	7349790	1744501	glutamate receptor, metabotropic 2	Grm2	24415	2,19	up
5639324	7349790	1744508	glutamate receptor, metabotropic 2	Grm2	24415	1,55	up
6125022	7349790	1744501	glutamate receptor, metabotropic 2	Grm2	24415	1,46	up
6580541	7349790	1744506	glutamate receptor, metabotropic 2	Grm2	24415	1,36	up
6624656	7349790	1744504	glutamate receptor, metabotropic 2	Grm2	24415	1,31	down
5761200	7349790	1744503	glutamate receptor, metabotropic 2	Grm2	24415	1,30	up
6631065	7349790	1744509	glutamate receptor, metabotropic 2	Grm2	24415	1,21	down
5722213	7349790	1744502	glutamate receptor, metabotropic 2	Grm2	24415	1,20	down
6471088	7349790	1744505	glutamate receptor, metabotropic 2	Grm2	24415	1,17	down
6400911	7349790	1744506	glutamate receptor, metabotropic 2	Grm2	24415	1,15	down
6097381	7349790	1744510	glutamate receptor, metabotropic 2	Grm2	24415	1,09	up
5845833	7349790	1744506	glutamate receptor, metabotropic 2	Grm2	24415	1,08	up
5902053	7349790	1744501	glutamate receptor, metabotropic 2	Grm2	24415	1,07	up
6662327	7349790	1744501	glutamate receptor, metabotropic 2	Grm2	24415	1,05	up
5932226	7349790	1744507	glutamate receptor, metabotropic 2	Grm2	24415	1,01	up
6409414	7067335	1049463	glutamate receptor, metabotropic 6	Grm6	24419	2,09	down
5635136	7067335	1049468	glutamate receptor, metabotropic 6	Grm6	24419	1,81	down
6172831	7067335	1049464	glutamate receptor, metabotropic 6	Grm6	24419	1,60	up
5770587	7067335	1049472	glutamate receptor, metabotropic 6	Grm6	24419	1,58	down
5886780	7067335	1049463	glutamate receptor, metabotropic 6	Grm6	24419	1,50	down
6296097	7067335	1049466	glutamate receptor, metabotropic 6	Grm6	24419	1,48	up
5687656	7067335	1049471	glutamate receptor, metabotropic 6	Grm6	24419	1,22	down
6112904	7067335	1049465	glutamate receptor, metabotropic 6	Grm6	24419	1,21	down
6296678	7067335	1049469	glutamate receptor, metabotropic 6	Grm6	24419	1,15	down
5877353	7067335	1049470	glutamate receptor, metabotropic 6	Grm6	24419	1,15	up
6643850	7067335	1049467	glutamate receptor, metabotropic 6	Grm6	24419	1,10	down

5830559	7067335	1049462	glutamate receptor, metabotropic 6	Grm6	24419	1,02	up
5807429	7067335	1049473	glutamate receptor, metabotropic 6	Grm6	24419	1,00	up
5982204	7338247	1715520	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	2,70	down
6380889	7338247	1715510	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,72	down
5720819	7338247	1715511	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,48	up
6292045	7338247	1715510	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,45	down
5825289	7338247	1715518	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,40	up
6387087	7338247	1715523	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,39	down
6121141	7338247	1715513	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,26	up
6051975	7338247	1715512	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,25	up
6368908	7338247	1715517	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,25	up
6659677	7338247	1715515	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,25	up
6412050	7338247	1715516	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,22	up
6601061	7338247	1715525	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,19	down
5764604	7338247	1715519	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,17	up
6080947	7338247	1715515	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,13	down
5839946	7338247	1715526	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,13	down
6678558	7338247	1715521	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,08	down
6647683	7338247	1715524	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,08	up
5840705	7338247	1715523	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,04	down
6723979	7338247	1715522	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,04	up
6607890	7338247	1715518	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,03	up
6562496	7338247	1715514	glutamate-cysteine ligase, catalytic subunit	Gclc	25283	1,01	down
6079929	7187674	1343856	glutaredoxin 1 (thioltransferase)	Glxr1	64045	3,84	up
5772607	7187674	1343856	glutaredoxin 1 (thioltransferase)	Glxr1	64045	1,64	down
6138379	7187674	1343858	glutaredoxin 1 (thioltransferase)	Glxr1	64045	1,44	down
6208841	7187674	1343857	glutaredoxin 1 (thioltransferase)	Glxr1	64045	1,13	up
6431977	7308065	1642792	glutathione peroxidase 2	Gpx2	29326	2,08	up
6260993	7308065	1642791	glutathione peroxidase 2	Gpx2	29326	1,87	down
6478156	7308065	1642795	glutathione peroxidase 2	Gpx2	29326	1,69	down
6150128	7308065	1642794	glutathione peroxidase 2	Gpx2	29326	1,34	down
6148284	7308065	1642793	glutathione peroxidase 2	Gpx2	29326	1,16	up
6677218	7308065	1642793	glutathione peroxidase 2	Gpx2	29326	1,16	up
6309723	7308065	1642794	glutathione peroxidase 2	Gpx2	29326	1,14	down
5619478	7308065	1642794	glutathione peroxidase 2	Gpx2	29326	1,05	up
6497997	7042805	992222	glutathione S-transferase omega 2	Gsto2	309465	2,15	up
5668253	7042805	992218	glutathione S-transferase omega 2	Gsto2	309465	1,51	down
6122001	7042805	992225	glutathione S-transferase omega 2	Gsto2	309465	1,40	up
6399477	7042805	992218	glutathione S-transferase omega 2	Gsto2	309465	1,36	down
5776170	7042805	992219	glutathione S-transferase omega 2	Gsto2	309465	1,35	up
6621731	7042805	992220	glutathione S-transferase omega 2	Gsto2	309465	1,32	up
6384571	7042805	992219	glutathione S-transferase omega 2	Gsto2	309465	1,17	up
6636066	7042805	992222	glutathione S-transferase omega 2	Gsto2	309465	1,13	up
6436746	7042805	992226	glutathione S-transferase omega 2	Gsto2	309465	1,13	down
6132339	7042805	992223	glutathione S-transferase omega 2	Gsto2	309465	1,11	down
6656068	7042805	992221	glutathione S-transferase omega 2	Gsto2	309465	1,09	down
6344139	7042805	992220	glutathione S-transferase omega 2	Gsto2	309465	1,04	down
5888385	7042805	992224	glutathione S-transferase omega 2	Gsto2	309465	1,02	up
6110613	7212638	1404757	glutathione S-transferase, mu 7	Gstm7	81869	2,78	up
5808626	7212638	1404754	glutathione S-transferase, mu 7	Gstm7	81869	1,37	down
6357686	7212638	1404755	glutathione S-transferase, mu 7	Gstm7	81869	1,29	down
5622577	7212638	1404749	glutathione S-transferase, mu 7	Gstm7	81869	1,19	up
5996325	7212638	1404752	glutathione S-transferase, mu 7	Gstm7	81869	1,14	down
5816012	7212638	1404753	glutathione S-transferase, mu 7	Gstm7	81869	1,14	down
6216373	7212638	1404756	glutathione S-transferase, mu 7	Gstm7	81869	1,14	up
6419661	7212638	1404750	glutathione S-transferase, mu 7	Gstm7	81869	1,11	down
5885618	7212638	1404751	glutathione S-transferase, mu 7	Gstm7	81869	1,10	up

6287997	7339387	1718372	glycerol kinase 5 (putative)	Gk5	367146	2,10	down
6501145	7339387	1718372	glycerol kinase 5 (putative)	Gk5	367146	1,02	up
5727089	7320712	1674093	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	2,02	down
5937264	7320712	1674086	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,36	down
6551154	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,33	up
6641409	7320712	1674093	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,28	up
6150253	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,28	down
6075019	7320712	1674088	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,22	down
6685159	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,11	up
6437689	7320712	1674087	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,09	down
5637977	7320712	1674084	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,08	up
5999854	7320712	1674092	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,05	up
6249321	7320712	1674090	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,03	up
5927902	7320712	1674093	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,03	down
5963889	7320712	1674089	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,02	up
5754875	7320712	1674091	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,02	up
5670498	7320712	1674085	glycerol-3-phosphate dehydrogenase 1 (soluble)	Gpd1	60666	1,01	up
6310312	7253531	1506301	glycoprotein (transmembrane) nmb	Gpnmb	113955	2,64	down
6558013	7253531	1506292	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,90	down
5997323	7253531	1506297	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,77	up
6103932	7253531	1506298	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,42	down
6003400	7253531	1506297	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,31	up
5677685	7253531	1506299	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,30	up
5718958	7253531	1506292	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,26	up
5848063	7253531	1506296	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,26	up
5993652	7253531	1506293	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,22	up
5782339	7253531	1506303	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,17	down
6018871	7253531	1506295	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,16	down
5692697	7253531	1506302	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,14	down
5987686	7253531	1506294	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,09	down
5724544	7253531	1506300	glycoprotein (transmembrane) nmb	Gpnmb	113955	1,04	up
5873675	7056707	1024355	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	2,65	up
6169963	7056707	1024345	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	2,28	up
5815273	7056707	1024350	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,56	down
6682546	7056707	1024348	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,45	up
6172057	7056707	1024355	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,44	up
6591598	7056707	1024347	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,30	down
5753866	7056707	1024351	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,22	down
6449605	7056707	1024352	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,17	down
6351315	7056707	1024346	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,13	up
6655095	7056707	1024353	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,05	down
6068810	7056707	1024354	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,04	down
5834222	7056707	1024356	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,02	up
6610716	7056707	1024349	glycoprotein 2 (zymogen granule membrane)	Gp2	171459	1,02	down
5799899	7255892	1512187	glycoprotein IX (platelet)	Gp9	502858	2,20	up
6394316	7255892	1512187	glycoprotein IX (platelet)	Gp9	502858	1,22	up
5844774	7255892	1512187	glycoprotein IX (platelet)	Gp9	502858	1,12	up
6560283	7255892	1512187	glycoprotein IX (platelet)	Gp9	502858	1,04	down
6458650	7255892	1512187	glycoprotein IX (platelet)	Gp9	502858	1,04	up
6436457	7237907	1468081	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	2,60	down
6629399	7237907	1468082	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,49	up
6577928	7237907	1468082	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,41	up
5625071	7237907	1468080	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,33	down
5806658	7237907	1468077	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,27	up
6150278	7237907	1468075	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,26	down
5657159	7237907	1468076	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,17	up
6574494	7237907	1468081	glycoprotein, alpha-galactosyltransferase 1	Ggta1	246766	1,09	up

6189459	7318268	1668292	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	2,63	up
5786666	7318268	1668280	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,90	up
6563198	7318268	1668285	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,50	up
5655525	7318268	1668286	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,34	down
5918517	7318268	1668291	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,27	up
6372370	7318268	1668283	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,27	up
5806140	7318268	1668284	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,23	down
5833525	7318268	1668288	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,18	up
5806267	7318268	1668282	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,15	down
6274513	7318268	1668289	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,14	down
6409369	7318268	1668287	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,07	down
6354854	7318268	1668285	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,05	down
6351486	7318268	1668281	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,05	up
6570714	7318268	1668289	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,04	up
5839480	7318268	1668290	glycosylphosphatidylinositol anchor attachment protein 1 homolog (yeast)	Gpaa1	300046	1,01	down
6156351	7238414	1469575	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,89	down
6384963	7238414	1469538	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,61	up
5740086	7238414	1469539	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,55	up
5725360	7238414	1469559	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,47	down
6162543	7238414	1469537	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,43	up
5625465	7238414	1469559	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,30	up
5904731	7238414	1469569	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,29	up
6407084	7238414	1469578	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,26	down
5804885	7238414	1469552	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,20	up
6475701	7238414	1469544	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,17	down
5787720	7238414	1469547	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,05	down
6511168	7238414	1469543	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,04	down
6696846	7238414	1469559	glycosyltransferase-like domain containing 1	Gtdc1	362129	1,01	down
6360955	7238199	1468925	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	2,32	down
6478237	7238199	1468927	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,67	down
6278125	7238199	1468931	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,55	down
6363386	7238199	1468915	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,52	down
6395980	7238199	1468926	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,42	down
6129160	7238199	1468916	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,42	up
5829434	7238199	1468911	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,36	down
6664787	7238199	1468932	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,31	up
6318527	7238199	1468911	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,26	down
6125860	7238199	1468920	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,24	up
6339021	7238199	1468911	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,23	up
5703921	7238199	1468912	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,23	down
6551217	7238199	1468924	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,18	up
6210908	7238199	1468918	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,17	up
6185113	7238199	1468910	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,15	up
6100430	7238199	1468923	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,14	down
6325377	7238199	1468933	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,13	up
5905448	7238199	1468928	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,13	up
6730547	7238199	1468921	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,12	down
5661687	7238199	1468912	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,10	down
6399419	7238199	1468932	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,06	up
6141347	7238199	1468930	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,06	down
5887279	7238199	1468922	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,06	down
5677552	7238199	1468914	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,05	up
6107654	7238199	1468926	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,02	down
5697133	7238199	1468934	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,02	up
6479641	7238199	1468929	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,01	down
6725847	7238199	1468913	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,01	up
6100398	7238199	1468922	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,01	up

6659734	7238199	1468919	golgi autoantigen, golgin subfamily a, 1	Golga1	311919	1,01	up
5912102	7341243	1723224	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,42	up
6662944	7341243	1723226	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,40	up
6516036	7341243	1723221	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,22	up
5631097	7341243	1723228	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,13	up
6320548	7341243	1723234	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,11	up
6325875	7341243	1723227	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,09	up
5805238	7341243	1723220	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,09	down
5943782	7341243	1723220	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,08	up
6744617	7341243	1723229	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,02	up
6065047	7341243	1723222	golgi autoantigen, golgin subfamily a, 4	Golga4	501069	1,01	down
6415515	7147056	1243512	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	2,15	up
6366931	7147056	1243509	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,39	up
6739058	7147056	1243513	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,22	up
5904152	7147056	1243513	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,15	down
5655203	7147056	1243508	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,13	down
6018439	7147056	1243513	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,10	up
5718035	7147056	1243510	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,02	down
5703791	7147056	1243511	golgi autoantigen, golgin subfamily a, 7	Golga7	361171	1,01	up
6108232	7209811	1398667	golgi integral membrane protein 4	Golim4	310526	1,63	down
5794268	7209811	1398665	golgi integral membrane protein 4	Golim4	310526	1,46	up
5844353	7209811	1398672	golgi integral membrane protein 4	Golim4	310526	1,39	up
5755460	7209811	1398672	golgi integral membrane protein 4	Golim4	310526	1,36	up
6049152	7209811	1398669	golgi integral membrane protein 4	Golim4	310526	1,24	up
6235287	7209811	1398671	golgi integral membrane protein 4	Golim4	310526	1,18	down
6307586	7209811	1398664	golgi integral membrane protein 4	Golim4	310526	1,16	up
6626560	7209811	1398666	golgi integral membrane protein 4	Golim4	310526	1,12	down
5831029	7209811	1398670	golgi integral membrane protein 4	Golim4	310526	1,11	up
6667527	7209811	1398668	golgi integral membrane protein 4	Golim4	310526	1,09	down
5622862	7209811	1398664	golgi integral membrane protein 4	Golim4	310526	1,01	up
6711979	7209811	1398671	golgi integral membrane protein 4	Golim4	310526	1,00	up
5927520	7225370	1435509	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	2,34	up
6640138	7225370	1435511	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,96	down
5941214	7225370	1435510	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,91	up
6172595	7225370	1435515	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,69	up
5912529	7225370	1435508	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,67	up
5840766	7225370	1435512	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,66	up
6309485	7225370	1435519	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,59	down
5644711	7225370	1435508	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,49	up
5886276	7225370	1435516	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,38	up
6735653	7225370	1435522	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,35	down
6501212	7225370	1435514	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,33	up
5763792	7225370	1435521	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,33	down
6534917	7225370	1435518	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,26	up
6125603	7225370	1435522	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,20	down
6132089	7225370	1435520	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,19	down
5655391	7225370	1435513	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,19	up
6228702	7225370	1435519	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,17	down
5681552	7225370	1435517	G-protein signaling modulator 1 (AGS3-like, C. elegans)	Gpsm1	246254	1,04	up
5907498	7088164	1098458	GRAM domain containing 1C	Gramd1c	360717	1,46	up
5682361	7336854	1711685	GRAM domain containing 2	Gramd2	300761	1,17	up
6189266	7319627	1671260	GRAM domain containing 4	Gramd4	315203	2,03	up
6109905	7319627	1671267	GRAM domain containing 4	Gramd4	315203	1,73	down
6410460	7319627	1671257	GRAM domain containing 4	Gramd4	315203	1,57	up
6104314	7319627	1671249	GRAM domain containing 4	Gramd4	315203	1,57	up
6130783	7319627	1671250	GRAM domain containing 4	Gramd4	315203	1,57	down
6193019	7319627	1671232	GRAM domain containing 4	Gramd4	315203	1,53	down

6294255	7319627	1671241	GRAM domain containing 4	Gramd4	315203	1,52	up
5762285	7319627	1671254	GRAM domain containing 4	Gramd4	315203	1,49	down
6554266	7319627	1671240	GRAM domain containing 4	Gramd4	315203	1,47	down
5652492	7319627	1671263	GRAM domain containing 4	Gramd4	315203	1,46	down
6697677	7319627	1671267	GRAM domain containing 4	Gramd4	315203	1,44	down
6254763	7319627	1671264	GRAM domain containing 4	Gramd4	315203	1,41	down
5824980	7319627	1671255	GRAM domain containing 4	Gramd4	315203	1,28	down
5990775	7319627	1671258	GRAM domain containing 4	Gramd4	315203	1,27	up
6044074	7319627	1671262	GRAM domain containing 4	Gramd4	315203	1,25	up
6086580	7319627	1671256	GRAM domain containing 4	Gramd4	315203	1,25	up
6200795	7319627	1671252	GRAM domain containing 4	Gramd4	315203	1,24	up
6308671	7319627	1671253	GRAM domain containing 4	Gramd4	315203	1,22	down
6223055	7319627	1671265	GRAM domain containing 4	Gramd4	315203	1,14	down
5667912	7319627	1671266	GRAM domain containing 4	Gramd4	315203	1,08	down
6702349	7319627	1671259	GRAM domain containing 4	Gramd4	315203	1,01	up
6043892	7235092	1461079	granulosa cell HMG-box protein 1	Gcx1	311615	2,49	down
6158881	7235092	1461088	granulosa cell HMG-box protein 1	Gcx1	311615	1,68	down
6613961	7235092	1461081	granulosa cell HMG-box protein 1	Gcx1	311615	1,67	up
6524954	7235092	1461089	granulosa cell HMG-box protein 1	Gcx1	311615	1,31	down
5811591	7235092	1461081	granulosa cell HMG-box protein 1	Gcx1	311615	1,30	down
6424116	7235092	1461084	granulosa cell HMG-box protein 1	Gcx1	311615	1,22	down
6001442	7235092	1461082	granulosa cell HMG-box protein 1	Gcx1	311615	1,17	up
6567533	7235092	1461086	granulosa cell HMG-box protein 1	Gcx1	311615	1,15	down
5959285	7235092	1461089	granulosa cell HMG-box protein 1	Gcx1	311615	1,15	down
6358077	7235092	1461083	granulosa cell HMG-box protein 1	Gcx1	311615	1,12	up
6169123	7235092	1461085	granulosa cell HMG-box protein 1	Gcx1	311615	1,11	up
6172424	7235092	1461087	granulosa cell HMG-box protein 1	Gcx1	311615	1,07	up
5896046	7235092	1461080	granulosa cell HMG-box protein 1	Gcx1	311615	1,06	down
6626692	7235092	1461086	granulosa cell HMG-box protein 1	Gcx1	311615	1,06	up
5995861	7235092	1461086	granulosa cell HMG-box protein 1	Gcx1	311615	1,05	down
5712385	7138456	1222179	granzyme B	Gzmb	171528	2,17	up
5700071	7138456	1222182	granzyme B	Gzmb	171528	1,35	down
6589603	7138456	1222178	granzyme B	Gzmb	171528	1,28	down
6547730	7138456	1222180	granzyme B	Gzmb	171528	1,21	up
6216895	7138456	1222181	granzyme B	Gzmb	171528	1,12	up
6088380	7138456	1222178	granzyme B	Gzmb	171528	1,08	down
5753943	7138456	1222178	granzyme B	Gzmb	171528	1,07	down
6368677	7138456	1222178	granzyme B	Gzmb	171528	1,04	up
6141789	7180166	1325238	GRB2-associated binding protein 1	Gab1	361388	2,41	down
6654389	7180166	1325233	GRB2-associated binding protein 1	Gab1	361388	1,27	up
6100785	7180166	1325227	GRB2-associated binding protein 1	Gab1	361388	1,20	up
6496963	7180166	1325247	GRB2-associated binding protein 1	Gab1	361388	1,19	up
6740303	7180166	1325245	GRB2-associated binding protein 1	Gab1	361388	1,18	up
5781136	7180166	1325238	GRB2-associated binding protein 1	Gab1	361388	1,18	down
6699558	7180166	1325246	GRB2-associated binding protein 1	Gab1	361388	1,15	down
6672658	7180166	1325248	GRB2-associated binding protein 1	Gab1	361388	1,10	up
5899995	7180166	1325245	GRB2-associated binding protein 1	Gab1	361388	1,10	down
5633502	7180166	1325241	GRB2-associated binding protein 1	Gab1	361388	1,07	up
6394467	7180166	1325244	GRB2-associated binding protein 1	Gab1	361388	1,04	up
5698043	7180166	1325236	GRB2-associated binding protein 1	Gab1	361388	1,04	up
6458750	7180166	1325240	GRB2-associated binding protein 1	Gab1	361388	1,04	down
5804518	7180166	1325238	GRB2-associated binding protein 1	Gab1	361388	1,04	down
5794242	7322066	1676750	growth arrest and DNA-damage-inducible, beta	Gadd45b	299626	4,14	down
5723516	7322066	1676754	growth arrest and DNA-damage-inducible, beta	Gadd45b	299626	2,27	down
5735005	7322066	1676754	growth arrest and DNA-damage-inducible, beta	Gadd45b	299626	2,17	up
5936827	7322066	1676752	growth arrest and DNA-damage-inducible, beta	Gadd45b	299626	2,02	up
6113570	7322066	1676753	growth arrest and DNA-damage-inducible, beta	Gadd45b	299626	1,18	up

5840097	7322066	1676751	growth arrest and DNA-damage-inducible, beta	Gadd45b	299626	1,10	down
6392477	7184026	1335671	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	2,29	down
6059206	7184026	1335671	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,80	down
5738560	7184026	1335671	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,26	up
5624709	7184026	1335672	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,11	up
6567906	7184026	1335672	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,10	up
5777514	7184026	1335673	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,07	down
5898403	7184026	1335672	growth arrest and DNA-damage-inducible, gamma interacting protein 1	Gadd45gip1	288916	1,06	up
6052010	7075371	1069136	growth factor, augmenter of liver regeneration	Gfer	27100	4,67	down
5652366	7075371	1069136	growth factor, augmenter of liver regeneration	Gfer	27100	2,04	down
5891488	7075371	1069132	growth factor, augmenter of liver regeneration	Gfer	27100	1,57	up
5751669	7075371	1069133	growth factor, augmenter of liver regeneration	Gfer	27100	1,46	up
6685472	7075371	1069135	growth factor, augmenter of liver regeneration	Gfer	27100	1,42	down
6020432	7075371	1069134	growth factor, augmenter of liver regeneration	Gfer	27100	1,37	up
6212758	7075371	1069135	growth factor, augmenter of liver regeneration	Gfer	27100	1,29	up
6547916	7204548	1386286	growth hormone receptor	Ghr	25235	2,06	up
6420098	7204548	1386285	growth hormone receptor	Ghr	25235	1,52	up
6644537	7204548	1386284	growth hormone receptor	Ghr	25235	1,16	up
6706391	7204548	1386282	growth hormone receptor	Ghr	25235	1,16	up
6408634	7204548	1386283	growth hormone receptor	Ghr	25235	1,14	down
6000883	7204548	1386287	growth hormone receptor	Ghr	25235	1,13	up
5836630	7204548	1386292	growth hormone receptor	Ghr	25235	1,12	up
5765782	7204548	1386293	growth hormone receptor	Ghr	25235	1,11	down
6589487	7204548	1386291	growth hormone receptor	Ghr	25235	1,10	up
6191549	7204548	1386289	growth hormone receptor	Ghr	25235	1,09	down
6400353	7204548	1386290	growth hormone receptor	Ghr	25235	1,08	down
5935282	7204548	1386288	growth hormone receptor	Ghr	25235	1,08	up
5671485	7204548	1386283	growth hormone receptor	Ghr	25235	1,02	up
6122584	7204548	1386282	growth hormone receptor	Ghr	25235	1,02	down
5712568	7204548	1386288	growth hormone receptor	Ghr	25235	1,00	up
5915996	7254053	1507649	growth hormone releasing hormone receptor	Ghrhr	25321	2,63	up
5758501	7254053	1507645	growth hormone releasing hormone receptor	Ghrhr	25321	2,16	up
6676718	7254053	1507646	growth hormone releasing hormone receptor	Ghrhr	25321	1,64	up
6660261	7254053	1507647	growth hormone releasing hormone receptor	Ghrhr	25321	1,56	up
6691460	7254053	1507642	growth hormone releasing hormone receptor	Ghrhr	25321	1,51	down
6175025	7254053	1507652	growth hormone releasing hormone receptor	Ghrhr	25321	1,50	down
6616927	7254053	1507643	growth hormone releasing hormone receptor	Ghrhr	25321	1,44	up
6578067	7254053	1507644	growth hormone releasing hormone receptor	Ghrhr	25321	1,34	up
6383772	7254053	1507649	growth hormone releasing hormone receptor	Ghrhr	25321	1,31	up
5617709	7254053	1507650	growth hormone releasing hormone receptor	Ghrhr	25321	1,27	down
5929495	7254053	1507652	growth hormone releasing hormone receptor	Ghrhr	25321	1,22	up
5685655	7254053	1507641	growth hormone releasing hormone receptor	Ghrhr	25321	1,20	up
6008238	7254053	1507640	growth hormone releasing hormone receptor	Ghrhr	25321	1,19	down
6237163	7254053	1507639	growth hormone releasing hormone receptor	Ghrhr	25321	1,15	up
6596016	7254053	1507652	growth hormone releasing hormone receptor	Ghrhr	25321	1,10	down
6305004	7254053	1507638	growth hormone releasing hormone receptor	Ghrhr	25321	1,09	up
6232899	7254053	1507651	growth hormone releasing hormone receptor	Ghrhr	25321	1,00	up
6246023	7237814	1467814	GTPase activating protein and VPS9 domains 1	Gapvd1	311880	1,36	up
6395220	7237814	1467847	GTPase activating protein and VPS9 domains 1	Gapvd1	311880	1,26	down
6277106	7237814	1467849	GTPase activating protein and VPS9 domains 1	Gapvd1	311880	1,19	down
5661017	7237814	1467845	GTPase activating protein and VPS9 domains 1	Gapvd1	311880	1,08	up
6051153	7237814	1467848	GTPase activating protein and VPS9 domains 1	Gapvd1	311880	1,06	down
6717249	7088072	1098277	GTP-binding protein 8 (putative)	Gtpbp8	360714	2,07	up
6237441	7088072	1098281	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,39	down
6367701	7088072	1098279	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,35	up
6381934	7088072	1098280	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,33	up
6033870	7088072	1098283	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,23	down

6290372	7088072	1098277	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,19	down
5881721	7088072	1098278	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,12	down
6729362	7088072	1098282	GTP-binding protein 8 (putative)	Gtpbp8	360714	1,06	up
6510557	7200505	1376820	guanine nucleotide binding protein (G protein), gamma 5	Gng5	79218	3,18	down
6341622	7200505	1376820	guanine nucleotide binding protein (G protein), gamma 5	Gng5	79218	2,01	up
5731757	7200505	1376822	guanine nucleotide binding protein (G protein), gamma 5	Gng5	79218	1,67	down
6299681	7200505	1376821	guanine nucleotide binding protein (G protein), gamma 5	Gng5	79218	1,49	up
6301406	7200505	1376822	guanine nucleotide binding protein (G protein), gamma 5	Gng5	79218	1,34	up
6148449	7200505	1376820	guanine nucleotide binding protein (G protein), gamma 5	Gng5	79218	1,02	down
5628015	7349943	1744899	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	2,56	down
6742331	7349943	1744893	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,53	down
6169436	7349943	1744896	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,52	down
6720325	7349943	1744899	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,29	down
5878609	7349943	1744895	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,27	up
6479145	7349943	1744897	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,19	down
5775417	7349943	1744891	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,11	up
6485768	7349943	1744898	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,09	up
6692868	7349943	1744894	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,05	up
5688460	7349943	1744890	guanine nucleotide binding protein, alpha transducing 1	Gnat1	363143	1,03	down
6278081	7148721	1247783	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	2,22	down
6452277	7148721	1247784	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,99	down
5775625	7148721	1247795	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,88	up
6086888	7148721	1247782	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,84	down
6317045	7148721	1247786	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,61	down
6055813	7148721	1247791	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,44	down
5869361	7148721	1247788	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,25	up
5895938	7148721	1247794	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,19	down
6315913	7148721	1247792	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,18	up
6049385	7148721	1247793	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,16	down
5975346	7148721	1247789	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,15	up
6632659	7148721	1247787	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,11	up
6013226	7148721	1247790	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,09	down
6372384	7148721	1247796	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,03	down
6039232	7148721	1247785	guanine nucleotide binding protein-like 3 (nucleolar)	Gnl3	290556	1,02	up
6557545	7162996	1282246	guanosine monophosphate reductase	Gmpr	117533	2,53	down
5962261	7162996	1282251	guanosine monophosphate reductase	Gmpr	117533	1,44	up
6429830	7162996	1282243	guanosine monophosphate reductase	Gmpr	117533	1,28	down
5618210	7162996	1282250	guanosine monophosphate reductase	Gmpr	117533	1,18	up
6196866	7162996	1282248	guanosine monophosphate reductase	Gmpr	117533	1,17	down
6409309	7162996	1282247	guanosine monophosphate reductase	Gmpr	117533	1,16	down
6400218	7162996	1282245	guanosine monophosphate reductase	Gmpr	117533	1,15	up
6358780	7162996	1282251	guanosine monophosphate reductase	Gmpr	117533	1,07	down
5823105	7162996	1282244	guanosine monophosphate reductase	Gmpr	117533	1,05	up
5940631	7162996	1282249	guanosine monophosphate reductase	Gmpr	117533	1,03	up
5891968	7200128	1375981	guanylate binding protein 2	Gbp2	171164	17,78	down
6468900	7200128	1375982	guanylate binding protein 2	Gbp2	171164	2,80	down
5963536	7200128	1375983	guanylate binding protein 2	Gbp2	171164	2,46	up
5726773	7200128	1375989	guanylate binding protein 2	Gbp2	171164	2,40	up
6176140	7200128	1375987	guanylate binding protein 2	Gbp2	171164	2,40	down
6296413	7200128	1375984	guanylate binding protein 2	Gbp2	171164	2,26	down
6355647	7200128	1375985	guanylate binding protein 2	Gbp2	171164	2,19	up
6407077	7200128	1375990	guanylate binding protein 2	Gbp2	171164	2,17	up
6391060	7200128	1375988	guanylate binding protein 2	Gbp2	171164	1,20	up
6215275	7200128	1375986	guanylate binding protein 2	Gbp2	171164	1,12	down
6274914	7200128	1375990	guanylate binding protein 2	Gbp2	171164	1,02	up
6423169	7034407	972326	guanylate cyclase 2d	Gucy2d	113911	2,46	up
6661748	7034407	972315	guanylate cyclase 2d	Gucy2d	113911	1,47	down

6294001	7034407	972320	guanylate cyclase 2d	Gucy2d	113911	1,41	down
6675355	7034407	972318	guanylate cyclase 2d	Gucy2d	113911	1,37	down
6666273	7034407	972310	guanylate cyclase 2d	Gucy2d	113911	1,36	down
6569258	7034407	972321	guanylate cyclase 2d	Gucy2d	113911	1,30	down
6054534	7034407	972314	guanylate cyclase 2d	Gucy2d	113911	1,29	down
6074029	7034407	972324	guanylate cyclase 2d	Gucy2d	113911	1,26	up
5744054	7034407	972317	guanylate cyclase 2d	Gucy2d	113911	1,23	down
6321521	7034407	972325	guanylate cyclase 2d	Gucy2d	113911	1,19	down
5929528	7034407	972310	guanylate cyclase 2d	Gucy2d	113911	1,17	up
5948418	7034407	972323	guanylate cyclase 2d	Gucy2d	113911	1,13	up
5721161	7034407	972318	guanylate cyclase 2d	Gucy2d	113911	1,12	down
6652412	7034407	972310	guanylate cyclase 2d	Gucy2d	113911	1,10	down
6589087	7034407	972313	guanylate cyclase 2d	Gucy2d	113911	1,08	down
5845630	7034407	972326	guanylate cyclase 2d	Gucy2d	113911	1,07	up
5705588	7034407	972316	guanylate cyclase 2d	Gucy2d	113911	1,07	up
6043139	7034407	972312	guanylate cyclase 2d	Gucy2d	113911	1,06	up
6072244	7034407	972327	guanylate cyclase 2d	Gucy2d	113911	1,05	down
6587177	7034407	972311	guanylate cyclase 2d	Gucy2d	113911	1,04	up
5677000	7034407	972322	guanylate cyclase 2d	Gucy2d	113911	1,04	down
6732617	7034407	972319	guanylate cyclase 2d	Gucy2d	113911	1,03	up
5671592	7078953	1077279	guanylate cyclase 2e	Gucy2e	79222	2,41	up
6048050	7078953	1077270	guanylate cyclase 2e	Gucy2e	79222	1,56	up
6512679	7078953	1077275	guanylate cyclase 2e	Gucy2e	79222	1,38	down
6406307	7078953	1077269	guanylate cyclase 2e	Gucy2e	79222	1,38	up
5825574	7078953	1077263	guanylate cyclase 2e	Gucy2e	79222	1,35	up
6117637	7078953	1077276	guanylate cyclase 2e	Gucy2e	79222	1,34	down
6105547	7078953	1077271	guanylate cyclase 2e	Gucy2e	79222	1,31	down
6516549	7078953	1077274	guanylate cyclase 2e	Gucy2e	79222	1,26	up
6682987	7078953	1077276	guanylate cyclase 2e	Gucy2e	79222	1,24	down
6009684	7078953	1077268	guanylate cyclase 2e	Gucy2e	79222	1,22	up
6682716	7078953	1077264	guanylate cyclase 2e	Gucy2e	79222	1,22	down
5796468	7078953	1077265	guanylate cyclase 2e	Gucy2e	79222	1,19	up
6732407	7078953	1077279	guanylate cyclase 2e	Gucy2e	79222	1,16	down
5800765	7078953	1077277	guanylate cyclase 2e	Gucy2e	79222	1,15	up
6426565	7078953	1077267	guanylate cyclase 2e	Gucy2e	79222	1,11	down
6504424	7078953	1077273	guanylate cyclase 2e	Gucy2e	79222	1,11	up
6019699	7078953	1077261	guanylate cyclase 2e	Gucy2e	79222	1,10	up
6416680	7078953	1077262	guanylate cyclase 2e	Gucy2e	79222	1,04	down
5695196	7078953	1077278	guanylate cyclase 2e	Gucy2e	79222	1,04	up
5883063	7078953	1077266	guanylate cyclase 2e	Gucy2e	79222	1,02	up
5699262	7078953	1077272	guanylate cyclase 2e	Gucy2e	79222	1,00	up
6382798	7359460	1768468	guanylate cyclase activator 1B	Gucal1b	316218	2,08	down
6056662	7359460	1768474	guanylate cyclase activator 1B	Gucal1b	316218	1,76	down
6399750	7359460	1768470	guanylate cyclase activator 1B	Gucal1b	316218	1,63	down
6673745	7359460	1768468	guanylate cyclase activator 1B	Gucal1b	316218	1,29	up
6409661	7359460	1768467	guanylate cyclase activator 1B	Gucal1b	316218	1,23	down
6419861	7359460	1768469	guanylate cyclase activator 1B	Gucal1b	316218	1,07	down
6062136	7359460	1768474	guanylate cyclase activator 1B	Gucal1b	316218	1,02	up
6311391	7365763	1783143	gypsy retrotransposon integrase 1	Gin1	316687	2,04	up
6592136	7365763	1783149	gypsy retrotransposon integrase 1	Gin1	316687	1,89	down
6480351	7365763	1783144	gypsy retrotransposon integrase 1	Gin1	316687	1,34	down
6609230	7365763	1783142	gypsy retrotransposon integrase 1	Gin1	316687	1,32	up
6294811	7365763	1783150	gypsy retrotransposon integrase 1	Gin1	316687	1,28	down
6053604	7365763	1783145	gypsy retrotransposon integrase 1	Gin1	316687	1,19	down
6394112	7365763	1783147	gypsy retrotransposon integrase 1	Gin1	316687	1,14	up
6676176	7365763	1783148	gypsy retrotransposon integrase 1	Gin1	316687	1,10	up
5837801	7365763	1783143	gypsy retrotransposon integrase 1	Gin1	316687	1,10	up

6686988	7365763	1783151	gypsy retrotransposon integrase 1	Gin1	316687	1,01	up
6177968	7365763	1783146	gypsy retrotransposon integrase 1	Gin1	316687	1,00	up
6499838	7257630	1516850	H1 histone family, member O, oocyte-specific	H1foo	502875	3,11	down
5942061	7257630	1516851	H1 histone family, member O, oocyte-specific	H1foo	502875	1,11	down
6220273	7257630	1516854	H1 histone family, member O, oocyte-specific	H1foo	502875	1,08	up
5789752	7257630	1516852	H1 histone family, member O, oocyte-specific	H1foo	502875	1,02	up
6053126	7257630	1516854	H1 histone family, member O, oocyte-specific	H1foo	502875	1,01	down
6471285	7257630	1516853	H1 histone family, member O, oocyte-specific	H1foo	502875	1,00	down
5946919	7222873	1429840	H2A histone family, member Y2	H2afy2	361844	2,09	down
6312138	7222873	1429840	H2A histone family, member Y2	H2afy2	361844	1,48	down
5717616	7222873	1429837	H2A histone family, member Y2	H2afy2	361844	1,39	up
6549935	7222873	1429839	H2A histone family, member Y2	H2afy2	361844	1,27	down
6027286	7222873	1429835	H2A histone family, member Y2	H2afy2	361844	1,24	up
5790905	7222873	1429831	H2A histone family, member Y2	H2afy2	361844	1,19	up
6445864	7222873	1429831	H2A histone family, member Y2	H2afy2	361844	1,12	down
6192006	7222873	1429833	H2A histone family, member Y2	H2afy2	361844	1,11	up
6577869	7222873	1429832	H2A histone family, member Y2	H2afy2	361844	1,03	up
6093380	7222873	1429842	H2A histone family, member Y2	H2afy2	361844	1,03	down
6411735	7222873	1429838	H2A histone family, member Y2	H2afy2	361844	1,03	up
6468456	7365255	1782060	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	2,10	down
6205345	7365255	1782060	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,41	up
5980960	7365255	1782057	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,36	up
6233789	7365255	1782060	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,23	down
6119188	7365255	1782058	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,20	down
6211169	7365255	1782058	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,18	down
5715670	7365255	1782060	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,17	down
6035946	7365255	1782060	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,14	up
5954510	7365255	1782059	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,04	up
6634804	7365255	1782058	hairy and enhancer of split 6 (Drosophila)	Hes6	316626	1,02	down
5959538	7165954	1288785	HEAT repeat containing 1	Heatr1	361262	1,56	up
5955765	7165954	1288808	HEAT repeat containing 1	Heatr1	361262	1,52	up
6422677	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,50	up
6128725	7165954	1288783	HEAT repeat containing 1	Heatr1	361262	1,46	up
5964900	7165954	1288780	HEAT repeat containing 1	Heatr1	361262	1,44	up
6229149	7165954	1288773	HEAT repeat containing 1	Heatr1	361262	1,40	down
5701616	7165954	1288800	HEAT repeat containing 1	Heatr1	361262	1,38	down
5988057	7165954	1288772	HEAT repeat containing 1	Heatr1	361262	1,35	up
5719450	7165954	1288778	HEAT repeat containing 1	Heatr1	361262	1,31	up
5921449	7165954	1288792	HEAT repeat containing 1	Heatr1	361262	1,28	down
6392341	7165954	1288775	HEAT repeat containing 1	Heatr1	361262	1,28	down
6645165	7165954	1288803	HEAT repeat containing 1	Heatr1	361262	1,26	down
5696490	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,24	up
5898308	7165954	1288796	HEAT repeat containing 1	Heatr1	361262	1,23	up
6530971	7165954	1288797	HEAT repeat containing 1	Heatr1	361262	1,21	down
6539548	7165954	1288804	HEAT repeat containing 1	Heatr1	361262	1,21	up
6112305	7165954	1288801	HEAT repeat containing 1	Heatr1	361262	1,20	down
5799331	7165954	1288787	HEAT repeat containing 1	Heatr1	361262	1,18	up
5699753	7165954	1288799	HEAT repeat containing 1	Heatr1	361262	1,16	down
6293794	7165954	1288802	HEAT repeat containing 1	Heatr1	361262	1,15	up
6403602	7165954	1288803	HEAT repeat containing 1	Heatr1	361262	1,13	up
6343385	7165954	1288768	HEAT repeat containing 1	Heatr1	361262	1,11	up
5704186	7165954	1288776	HEAT repeat containing 1	Heatr1	361262	1,11	down
5949913	7165954	1288795	HEAT repeat containing 1	Heatr1	361262	1,11	up
6611940	7165954	1288784	HEAT repeat containing 1	Heatr1	361262	1,10	down
6537365	7165954	1288782	HEAT repeat containing 1	Heatr1	361262	1,10	up
6052672	7165954	1288793	HEAT repeat containing 1	Heatr1	361262	1,10	up
6332586	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,10	up

6302089	7165954	1288791	HEAT repeat containing 1	Heatr1	361262	1,10	down
6341492	7165954	1288767	HEAT repeat containing 1	Heatr1	361262	1,08	down
6311827	7165954	1288767	HEAT repeat containing 1	Heatr1	361262	1,08	down
6513037	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,07	up
6456481	7165954	1288807	HEAT repeat containing 1	Heatr1	361262	1,07	down
5990945	7165954	1288769	HEAT repeat containing 1	Heatr1	361262	1,06	up
6613783	7165954	1288805	HEAT repeat containing 1	Heatr1	361262	1,05	up
5856730	7165954	1288774	HEAT repeat containing 1	Heatr1	361262	1,05	up
6413046	7165954	1288794	HEAT repeat containing 1	Heatr1	361262	1,05	down
6636199	7165954	1288806	HEAT repeat containing 1	Heatr1	361262	1,05	down
6690619	7165954	1288798	HEAT repeat containing 1	Heatr1	361262	1,05	down
6690030	7165954	1288788	HEAT repeat containing 1	Heatr1	361262	1,04	up
6450855	7165954	1288786	HEAT repeat containing 1	Heatr1	361262	1,03	down
5813573	7165954	1288809	HEAT repeat containing 1	Heatr1	361262	1,03	up
5671940	7165954	1288770	HEAT repeat containing 1	Heatr1	361262	1,03	down
6601536	7165954	1288777	HEAT repeat containing 1	Heatr1	361262	1,03	down
5702934	7165954	1288790	HEAT repeat containing 1	Heatr1	361262	1,03	up
5705766	7165954	1288789	HEAT repeat containing 1	Heatr1	361262	1,00	down
5670821	7070511	1057473	HEAT repeat containing 6	Heatr6	497972	2,06	up
6309961	7070511	1057466	HEAT repeat containing 6	Heatr6	497972	1,74	up
6655951	7070511	1057467	HEAT repeat containing 6	Heatr6	497972	1,61	up
6484093	7070511	1057452	HEAT repeat containing 6	Heatr6	497972	1,54	down
6262889	7070511	1057469	HEAT repeat containing 6	Heatr6	497972	1,50	up
5675116	7070511	1057473	HEAT repeat containing 6	Heatr6	497972	1,48	down
6104927	7070511	1057472	HEAT repeat containing 6	Heatr6	497972	1,44	up
6741806	7070511	1057456	HEAT repeat containing 6	Heatr6	497972	1,42	down
6003666	7070511	1057471	HEAT repeat containing 6	Heatr6	497972	1,39	up
6189559	7070511	1057465	HEAT repeat containing 6	Heatr6	497972	1,39	up
5819744	7070511	1057475	HEAT repeat containing 6	Heatr6	497972	1,26	up
6491186	7070511	1057464	HEAT repeat containing 6	Heatr6	497972	1,23	up
6167219	7070511	1057454	HEAT repeat containing 6	Heatr6	497972	1,23	up
6001687	7070511	1057462	HEAT repeat containing 6	Heatr6	497972	1,22	down
6475596	7070511	1057462	HEAT repeat containing 6	Heatr6	497972	1,18	up
6042788	7070511	1057463	HEAT repeat containing 6	Heatr6	497972	1,17	up
6482638	7070511	1057470	HEAT repeat containing 6	Heatr6	497972	1,16	up
6153102	7070511	1057460	HEAT repeat containing 6	Heatr6	497972	1,13	up
5712156	7070511	1057468	HEAT repeat containing 6	Heatr6	497972	1,12	down
6581441	7070511	1057458	HEAT repeat containing 6	Heatr6	497972	1,10	up
5870137	7070511	1057462	HEAT repeat containing 6	Heatr6	497972	1,08	up
6642125	7070511	1057466	HEAT repeat containing 6	Heatr6	497972	1,07	up
6455236	7070511	1057455	HEAT repeat containing 6	Heatr6	497972	1,05	up
5896717	7070511	1057461	HEAT repeat containing 6	Heatr6	497972	1,02	down
5712583	7070511	1057463	HEAT repeat containing 6	Heatr6	497972	1,01	down
6081072	7216806	1414694	heat shock 70kD protein 1A /// heat shock 70kD protein 1B (mapped)	Hspa1a /// Hspa1b	24472 /// 294254	2,03	up
5786500	7216806	1414693	heat shock 70kD protein 1A /// heat shock 70kD protein 1B (mapped)	Hspa1a /// Hspa1b	24472 /// 294254	1,65	up
5688823	7216806	1414693	heat shock 70kD protein 1B (mapped)	Hspa1b	294254	2,86	down
6430397	7216806	1414694	heat shock 70kD protein 1B (mapped)	Hspa1b	294254	1,79	down
5899922	7077365	1073896	heat shock protein 4	Hspa4	266759	2,49	down
6088683	7077365	1073896	heat shock protein 4	Hspa4	266759	2,00	down
6375026	7077365	1073898	heat shock protein 4	Hspa4	266759	1,68	down
6042286	7077365	1073905	heat shock protein 4	Hspa4	266759	1,47	up
6695983	7077365	1073896	heat shock protein 4	Hspa4	266759	1,42	down
6228651	7077365	1073897	heat shock protein 4	Hspa4	266759	1,38	down
5734587	7077365	1073916	heat shock protein 4	Hspa4	266759	1,31	down
6678677	7077365	1073911	heat shock protein 4	Hspa4	266759	1,27	up
6151473	7077365	1073912	heat shock protein 4	Hspa4	266759	1,24	up
6684178	7077365	1073916	heat shock protein 4	Hspa4	266759	1,24	up

6336261	7077365	1073914	heat shock protein 4	Hspa4	266759	1,22	up
5866018	7077365	1073903	heat shock protein 4	Hspa4	266759	1,22	down
5748383	7077365	1073909	heat shock protein 4	Hspa4	266759	1,21	up
6220688	7077365	1073913	heat shock protein 4	Hspa4	266759	1,19	down
6338892	7077365	1073899	heat shock protein 4	Hspa4	266759	1,16	down
6360756	7077365	1073915	heat shock protein 4	Hspa4	266759	1,15	down
5701090	7077365	1073910	heat shock protein 4	Hspa4	266759	1,13	up
6606198	7077365	1073908	heat shock protein 4	Hspa4	266759	1,08	up
6505693	7077365	1073906	heat shock protein 4	Hspa4	266759	1,08	down
6005780	7077365	1073904	heat shock protein 4	Hspa4	266759	1,06	up
6581957	7077365	1073907	heat shock protein 4	Hspa4	266759	1,04	down
6132482	7077365	1073902	heat shock protein 4	Hspa4	266759	1,03	up
6320125	7077365	1073900	heat shock protein 4	Hspa4	266759	1,01	up
6000798	7077365	1073901	heat shock protein 4	Hspa4	266759	1,01	up
6652185	7098824	1124803	heat shock protein 8	Hspb8	113906	3,32	down
6414277	7098824	1124805	heat shock protein 8	Hspb8	113906	2,62	up
6087105	7098824	1124803	heat shock protein 8	Hspb8	113906	2,07	up
6116423	7098824	1124803	heat shock protein 8	Hspb8	113906	1,96	down
6498043	7098824	1124804	heat shock protein 8	Hspb8	113906	1,13	up
6185187	7098824	1124806	heat shock protein 8	Hspb8	113906	1,08	up
6317304	7174411	1311171	heat shock protein 9	Hspa9	291671	2,06	down
6107411	7174411	1311175	heat shock protein 9	Hspa9	291671	1,54	down
6584698	7174411	1311176	heat shock protein 9	Hspa9	291671	1,51	down
6728860	7174411	1311181	heat shock protein 9	Hspa9	291671	1,29	up
6302633	7174411	1311184	heat shock protein 9	Hspa9	291671	1,25	down
6498468	7174411	1311183	heat shock protein 9	Hspa9	291671	1,20	up
5825850	7174411	1311172	heat shock protein 9	Hspa9	291671	1,16	down
6322529	7174411	1311186	heat shock protein 9	Hspa9	291671	1,13	down
5695419	7174411	1311174	heat shock protein 9	Hspa9	291671	1,13	down
5841865	7174411	1311170	heat shock protein 9	Hspa9	291671	1,11	up
6345254	7174411	1311187	heat shock protein 9	Hspa9	291671	1,10	up
6038344	7174411	1311182	heat shock protein 9	Hspa9	291671	1,10	up
5948470	7174411	1311185	heat shock protein 9	Hspa9	291671	1,09	up
5681489	7174411	1311179	heat shock protein 9	Hspa9	291671	1,09	down
6307512	7174411	1311176	heat shock protein 9	Hspa9	291671	1,05	up
6493005	7174411	1311176	heat shock protein 9	Hspa9	291671	1,04	up
5737266	7174411	1311178	heat shock protein 9	Hspa9	291671	1,03	up
6633363	7174411	1311180	heat shock protein 9	Hspa9	291671	1,03	down
6468407	7174411	1311173	heat shock protein 9	Hspa9	291671	1,02	down
5840127	7174411	1311177	heat shock protein 9	Hspa9	291671	1,01	up
6302385	7337425	1713132	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain	Herc1	315771	1,61	down
5851678	7337425	1713222	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain	Herc1	315771	1,21	down
5674554	7337425	1713175	hect (homologous to the E6-AP (UBE3A) carboxyl terminus) domain and RCC1 (CHC1)-like domain	Herc1	315771	1,08	down
6743331	7032094	965773	hect domain and RLD 2	Herc2	308669	2,13	down
5730029	7032094	965804	hect domain and RLD 2	Herc2	308669	1,80	up
5835226	7032094	965724	hect domain and RLD 2	Herc2	308669	1,56	up
6259761	7032094	965721	hect domain and RLD 2	Herc2	308669	1,52	up
5684658	7032094	965763	hect domain and RLD 2	Herc2	308669	1,51	up
6614509	7032094	965771	hect domain and RLD 2	Herc2	308669	1,47	up
5854223	7032094	965746	hect domain and RLD 2	Herc2	308669	1,46	up
6447316	7032094	965718	hect domain and RLD 2	Herc2	308669	1,44	down
6576967	7032094	965795	hect domain and RLD 2	Herc2	308669	1,38	up
6730106	7032094	965792	hect domain and RLD 2	Herc2	308669	1,35	up
6253349	7032094	965748	hect domain and RLD 2	Herc2	308669	1,35	down
5988652	7032094	965776	hect domain and RLD 2	Herc2	308669	1,35	up
5999830	7032094	965806	hect domain and RLD 2	Herc2	308669	1,34	down
6111170	7032094	965767	hect domain and RLD 2	Herc2	308669	1,32	up

5803251	7032094	965801	hect domain and RLD 2	Herc2	308669	1,31	down
6051016	7032094	965758	hect domain and RLD 2	Herc2	308669	1,31	up
6502337	7032094	965750	hect domain and RLD 2	Herc2	308669	1,28	down
5891182	7032094	965787	hect domain and RLD 2	Herc2	308669	1,28	up
5656542	7032094	965723	hect domain and RLD 2	Herc2	308669	1,27	up
6351752	7032094	965780	hect domain and RLD 2	Herc2	308669	1,24	down
6737619	7032094	965728	hect domain and RLD 2	Herc2	308669	1,24	down
5736774	7032094	965733	hect domain and RLD 2	Herc2	308669	1,21	down
6399374	7032094	965814	hect domain and RLD 2	Herc2	308669	1,21	down
5844162	7032094	965753	hect domain and RLD 2	Herc2	308669	1,20	down
6564594	7032094	965775	hect domain and RLD 2	Herc2	308669	1,20	up
6422995	7032094	965764	hect domain and RLD 2	Herc2	308669	1,20	down
5797325	7032094	965736	hect domain and RLD 2	Herc2	308669	1,20	down
5998910	7032094	965770	hect domain and RLD 2	Herc2	308669	1,20	up
6047927	7032094	965738	hect domain and RLD 2	Herc2	308669	1,19	down
5768990	7032094	965814	hect domain and RLD 2	Herc2	308669	1,19	down
6712869	7032094	965793	hect domain and RLD 2	Herc2	308669	1,18	up
5803785	7032094	965785	hect domain and RLD 2	Herc2	308669	1,18	up
6579128	7032094	965722	hect domain and RLD 2	Herc2	308669	1,16	up
6309738	7032094	965725	hect domain and RLD 2	Herc2	308669	1,16	up
6492333	7032094	965799	hect domain and RLD 2	Herc2	308669	1,16	down
5996478	7032094	965735	hect domain and RLD 2	Herc2	308669	1,16	up
6079010	7032094	965732	hect domain and RLD 2	Herc2	308669	1,15	down
6585100	7032094	965809	hect domain and RLD 2	Herc2	308669	1,14	down
5627945	7032094	965743	hect domain and RLD 2	Herc2	308669	1,14	up
6451899	7032094	965789	hect domain and RLD 2	Herc2	308669	1,13	up
5879479	7032094	965755	hect domain and RLD 2	Herc2	308669	1,12	down
5881204	7032094	965749	hect domain and RLD 2	Herc2	308669	1,12	down
6401677	7032094	965734	hect domain and RLD 2	Herc2	308669	1,12	down
6614359	7032094	965754	hect domain and RLD 2	Herc2	308669	1,12	up
6584457	7032094	965802	hect domain and RLD 2	Herc2	308669	1,11	up
5835319	7032094	965784	hect domain and RLD 2	Herc2	308669	1,11	down
6114441	7032094	965744	hect domain and RLD 2	Herc2	308669	1,11	up
6547451	7032094	965794	hect domain and RLD 2	Herc2	308669	1,10	down
5794496	7032094	965810	hect domain and RLD 2	Herc2	308669	1,10	up
6363032	7032094	965779	hect domain and RLD 2	Herc2	308669	1,10	down
6589492	7032094	965748	hect domain and RLD 2	Herc2	308669	1,10	down
6637806	7032094	965782	hect domain and RLD 2	Herc2	308669	1,10	down
5822137	7032094	965741	hect domain and RLD 2	Herc2	308669	1,09	down
6680807	7032094	965797	hect domain and RLD 2	Herc2	308669	1,09	up
6571114	7032094	965786	hect domain and RLD 2	Herc2	308669	1,09	up
5889379	7032094	965788	hect domain and RLD 2	Herc2	308669	1,08	up
6673554	7032094	965772	hect domain and RLD 2	Herc2	308669	1,08	down
6038140	7032094	965783	hect domain and RLD 2	Herc2	308669	1,08	down
5922189	7032094	965765	hect domain and RLD 2	Herc2	308669	1,08	down
6740461	7032094	965730	hect domain and RLD 2	Herc2	308669	1,08	down
6551295	7032094	965777	hect domain and RLD 2	Herc2	308669	1,07	up
6722807	7032094	965720	hect domain and RLD 2	Herc2	308669	1,07	down
6407929	7032094	965742	hect domain and RLD 2	Herc2	308669	1,06	up
6632105	7032094	965809	hect domain and RLD 2	Herc2	308669	1,06	up
6140899	7032094	965765	hect domain and RLD 2	Herc2	308669	1,06	down
5680452	7032094	965766	hect domain and RLD 2	Herc2	308669	1,05	down
5716135	7032094	965727	hect domain and RLD 2	Herc2	308669	1,05	up
6439113	7032094	965726	hect domain and RLD 2	Herc2	308669	1,05	up
6325619	7032094	965717	hect domain and RLD 2	Herc2	308669	1,05	up
5848221	7032094	965747	hect domain and RLD 2	Herc2	308669	1,05	up
5980535	7032094	965778	hect domain and RLD 2	Herc2	308669	1,05	down

6461707	7032094	965781	hect domain and RLD 2	Herc2	308669	1,04	down
5824227	7032094	965813	hect domain and RLD 2	Herc2	308669	1,04	up
5999731	7032094	965759	hect domain and RLD 2	Herc2	308669	1,04	up
6621029	7032094	965740	hect domain and RLD 2	Herc2	308669	1,04	up
6204922	7032094	965760	hect domain and RLD 2	Herc2	308669	1,04	up
5977662	7032094	965805	hect domain and RLD 2	Herc2	308669	1,04	down
6026582	7032094	965811	hect domain and RLD 2	Herc2	308669	1,04	up
6543538	7032094	965761	hect domain and RLD 2	Herc2	308669	1,04	down
6715021	7032094	965790	hect domain and RLD 2	Herc2	308669	1,03	up
5958227	7032094	965771	hect domain and RLD 2	Herc2	308669	1,03	down
5685625	7032094	965769	hect domain and RLD 2	Herc2	308669	1,03	up
6516329	7032094	965768	hect domain and RLD 2	Herc2	308669	1,03	down
6360928	7032094	965729	hect domain and RLD 2	Herc2	308669	1,03	down
6194547	7032094	965762	hect domain and RLD 2	Herc2	308669	1,02	up
5739565	7032094	965791	hect domain and RLD 2	Herc2	308669	1,02	down
5644680	7032094	965798	hect domain and RLD 2	Herc2	308669	1,02	up
6376649	7032094	965737	hect domain and RLD 2	Herc2	308669	1,02	up
5632656	7032094	965796	hect domain and RLD 2	Herc2	308669	1,02	up
5910116	7032094	965757	hect domain and RLD 2	Herc2	308669	1,01	down
6143591	7032094	965808	hect domain and RLD 2	Herc2	308669	1,01	down
5692159	7032094	965812	hect domain and RLD 2	Herc2	308669	1,01	down
6692861	7032094	965731	hect domain and RLD 2	Herc2	308669	1,01	down
6287268	7032094	965774	hect domain and RLD 2	Herc2	308669	1,01	down
6072836	7032094	965745	hect domain and RLD 2	Herc2	308669	1,01	up
5779266	7032094	965739	hect domain and RLD 2	Herc2	308669	1,00	up
5755349	7041584	989442	HECT domain containing 2	Hectd2	309514	1,99	down
6033878	7041584	989447	HECT domain containing 2	Hectd2	309514	1,94	down
6739195	7041584	989451	HECT domain containing 2	Hectd2	309514	1,57	up
6405599	7041584	989450	HECT domain containing 2	Hectd2	309514	1,51	down
6407290	7041584	989448	HECT domain containing 2	Hectd2	309514	1,46	up
6189064	7041584	989449	HECT domain containing 2	Hectd2	309514	1,37	down
5778939	7041584	989446	HECT domain containing 2	Hectd2	309514	1,28	up
6283400	7041584	989446	HECT domain containing 2	Hectd2	309514	1,12	down
6602450	7041584	989443	HECT domain containing 2	Hectd2	309514	1,08	up
6688470	7055435	1021548	hemopexin	Hpx	58917	7,84	down
6650953	7055435	1021538	hemopexin	Hpx	58917	5,42	down
5845298	7055435	1021542	hemopexin	Hpx	58917	1,64	up
5983191	7055435	1021547	hemopexin	Hpx	58917	1,63	up
5657947	7055435	1021544	hemopexin	Hpx	58917	1,62	up
5985209	7055435	1021541	hemopexin	Hpx	58917	1,55	down
5681682	7055435	1021540	hemopexin	Hpx	58917	1,52	up
5730377	7055435	1021546	hemopexin	Hpx	58917	1,35	down
5697460	7055435	1021539	hemopexin	Hpx	58917	1,20	down
6616743	7055435	1021545	hemopexin	Hpx	58917	1,19	up
6556499	7055435	1021543	hemopexin	Hpx	58917	1,15	up
6659695	7261768	1527167	HEPACAM family member 2	Hepacam2	296846	1,38	down
5713492	7261768	1527175	HEPACAM family member 2	Hepacam2	296846	1,35	down
5709592	7261768	1527176	HEPACAM family member 2	Hepacam2	296846	1,29	down
6381873	7261768	1527180	HEPACAM family member 2	Hepacam2	296846	1,29	up
6164554	7261768	1527170	HEPACAM family member 2	Hepacam2	296846	1,12	down
6025142	7261768	1527174	HEPACAM family member 2	Hepacam2	296846	1,07	up
6416887	7261768	1527169	HEPACAM family member 2	Hepacam2	296846	1,04	down
5645122	7261768	1527171	HEPACAM family member 2	Hepacam2	296846	1,02	down
5664595	7261768	1527166	HEPACAM family member 2	Hepacam2	296846	1,01	down
5755213	7127197	1194563	hepatocyte growth factor activator	Hgfac	58947	2,53	up
6225476	7127197	1194560	hepatocyte growth factor activator	Hgfac	58947	1,60	up
5819435	7127197	1194565	hepatocyte growth factor activator	Hgfac	58947	1,49	down

6413084	7127197	1194557	hepatocyte growth factor activator	Hgfac	58947	1,48	down
5640496	7127197	1194564	hepatocyte growth factor activator	Hgfac	58947	1,37	up
5868629	7127197	1194553	hepatocyte growth factor activator	Hgfac	58947	1,26	up
6079562	7127197	1194555	hepatocyte growth factor activator	Hgfac	58947	1,25	down
6527008	7127197	1194556	hepatocyte growth factor activator	Hgfac	58947	1,21	down
5786776	7127197	1194565	hepatocyte growth factor activator	Hgfac	58947	1,17	down
6552435	7127197	1194561	hepatocyte growth factor activator	Hgfac	58947	1,15	down
6219741	7127197	1194559	hepatocyte growth factor activator	Hgfac	58947	1,13	up
5777853	7127197	1194551	hepatocyte growth factor activator	Hgfac	58947	1,10	up
6702158	7127197	1194562	hepatocyte growth factor activator	Hgfac	58947	1,05	down
5731360	7127197	1194558	hepatocyte growth factor activator	Hgfac	58947	1,03	up
6272703	7127197	1194554	hepatocyte growth factor activator	Hgfac	58947	1,03	up
6727782	7127197	1194552	hepatocyte growth factor activator	Hgfac	58947	1,02	up
6042635	7235138	1461199	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	3,45	up
5856412	7235138	1461198	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,76	down
6481726	7235138	1461193	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,69	down
6506095	7235138	1461191	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,65	up
6148002	7235138	1461190	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,61	up
6584408	7235138	1461195	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,46	down
5988209	7235138	1461200	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,44	up
6555660	7235138	1461192	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,29	up
5714181	7235138	1461194	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,22	down
6022697	7235138	1461196	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,13	up
5803661	7235138	1461199	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,08	up
5831539	7235138	1461197	hepatocyte nuclear factor 4, alpha	Hnf4a	25735	1,01	down
6185196	7264745	1534268	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,42	down
6470255	7264745	1534275	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,30	down
6229803	7264745	1534277	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,18	down
6090256	7264745	1534272	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,16	up
6085486	7264745	1534274	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,15	up
6306325	7264745	1534271	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,14	up
6426156	7264745	1534269	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,06	down
6116165	7264745	1534270	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,05	down
6263103	7264745	1534273	heterogeneous nuclear ribonucleoprotein A2/B1	Hnrnpa2b1	362361	1,05	down
5745335	7137646	1220435	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	2,07	up
5760138	7137646	1220439	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,51	up
6196407	7137646	1220430	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,44	up
6626119	7137646	1220433	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,41	up
5871886	7137646	1220434	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,34	up
5976900	7137646	1220430	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,31	up
5781270	7137646	1220430	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,23	up
6379835	7137646	1220436	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,22	up
6420921	7137646	1220432	heterogeneous nuclear ribonucleoprotein C (C1/C2)	Hnrnpc	290046	1,16	up
6302515	7116540	1168644	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,50	up
6156793	7116540	1168637	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,44	up
6615208	7116540	1168640	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,28	up
5999050	7116540	1168641	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,27	up
6107565	7116540	1168637	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,17	down
6306707	7116540	1168643	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,16	up
5997003	7116540	1168642	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,14	up
5987711	7116540	1168645	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,12	up
5986040	7116540	1168639	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,10	up
6505435	7116540	1168645	heterogeneous nuclear ribonucleoprotein D-like	Hnrpdl	305178	1,01	up
5948047	7266497	1538161	hexokinase 2	Hk2	25059	3,52	up
5666920	7266497	1538171	hexokinase 2	Hk2	25059	2,76	down
6378345	7266497	1538179	hexokinase 2	Hk2	25059	2,17	down
5752287	7266497	1538169	hexokinase 2	Hk2	25059	1,97	down

5902148	7266497	1538163	hexokinase 2	Hk2	25059	1,97	up
6570940	7266497	1538178	hexokinase 2	Hk2	25059	1,96	up
5839690	7266497	1538177	hexokinase 2	Hk2	25059	1,74	down
6066179	7266497	1538166	hexokinase 2	Hk2	25059	1,55	up
5847171	7266497	1538172	hexokinase 2	Hk2	25059	1,49	up
6215765	7266497	1538168	hexokinase 2	Hk2	25059	1,48	down
5783012	7266497	1538174	hexokinase 2	Hk2	25059	1,45	down
5973422	7266497	1538175	hexokinase 2	Hk2	25059	1,36	down
5959948	7266497	1538170	hexokinase 2	Hk2	25059	1,31	up
5976515	7266497	1538162	hexokinase 2	Hk2	25059	1,23	down
5911587	7266497	1538176	hexokinase 2	Hk2	25059	1,21	down
6300173	7266497	1538164	hexokinase 2	Hk2	25059	1,19	up
6036304	7266497	1538165	hexokinase 2	Hk2	25059	1,09	down
5911383	7266497	1538173	hexokinase 2	Hk2	25059	1,08	up
5870610	7266497	1538167	hexokinase 2	Hk2	25059	1,04	down
6462641	7336831	1711572	hexosaminidase A	Hexa	300757	4,68	up
6121140	7336831	1711577	hexosaminidase A	Hexa	300757	1,54	up
6404370	7336831	1711578	hexosaminidase A	Hexa	300757	1,40	up
5653739	7336831	1711567	hexosaminidase A	Hexa	300757	1,35	down
5843775	7336831	1711574	hexosaminidase A	Hexa	300757	1,32	up
5725013	7336831	1711566	hexosaminidase A	Hexa	300757	1,28	down
5744704	7336831	1711576	hexosaminidase A	Hexa	300757	1,27	up
6381379	7336831	1711569	hexosaminidase A	Hexa	300757	1,23	down
6379437	7336831	1711564	hexosaminidase A	Hexa	300757	1,22	down
5820730	7336831	1711573	hexosaminidase A	Hexa	300757	1,15	down
6598208	7336831	1711571	hexosaminidase A	Hexa	300757	1,14	down
6157417	7336831	1711565	hexosaminidase A	Hexa	300757	1,14	down
5911378	7336831	1711575	hexosaminidase A	Hexa	300757	1,12	up
6676631	7336831	1711568	hexosaminidase A	Hexa	300757	1,09	down
6558104	7336831	1711570	hexosaminidase A	Hexa	300757	1,05	down
6739229	7293266	1604447	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,55	up
6725004	7293266	1604446	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,44	down
6562869	7293266	1604453	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,29	down
5836064	7293266	1604446	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,21	down
6213397	7293266	1604446	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,20	down
5849029	7293266	1604449	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,16	up
6178381	7293266	1604447	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,15	down
6329171	7293266	1604446	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,10	up
5694135	7293266	1604450	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,09	up
5759923	7293266	1604448	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,08	up
6423243	7293266	1604446	hexose-6-phosphate dehydrogenase (glucose 1-dehydrogenase)	H6pd	298655	1,04	up
6710745	7291803	1600886	high mobility group nucleosomal binding domain 2	Hmgn2	114637	2,07	down
6669928	7291803	1600884	high mobility group nucleosomal binding domain 2	Hmgn2	114637	1,45	up
5923110	7291803	1600885	high mobility group nucleosomal binding domain 2	Hmgn2	114637	1,26	up
5991882	7291803	1600883	high mobility group nucleosomal binding domain 2	Hmgn2	114637	1,23	up
5730414	7291803	1600885	high mobility group nucleosomal binding domain 2	Hmgn2	114637	1,22	down
5958466	7291803	1600882	high mobility group nucleosomal binding domain 2	Hmgn2	114637	1,15	down
6096104	7291803	1600882	high mobility group nucleosomal binding domain 2	Hmgn2	114637	1,05	up
6026245	7213228	1405993	hippocampus abundant gene transcript 1	Hiat1	100134827	1,66	down
6589108	7213228	1405999	hippocampus abundant gene transcript 1	Hiat1	100134827	1,31	down
6734652	7213228	1406000	hippocampus abundant gene transcript 1	Hiat1	100134827	1,30	down
6616024	7213228	1405996	hippocampus abundant gene transcript 1	Hiat1	100134827	1,18	up
5784515	7213228	1406007	hippocampus abundant gene transcript 1	Hiat1	100134827	1,18	up
6090827	7213228	1405992	hippocampus abundant gene transcript 1	Hiat1	100134827	1,17	up
6071676	7213228	1405990	hippocampus abundant gene transcript 1	Hiat1	100134827	1,14	up
5820772	7213228	1406003	hippocampus abundant gene transcript 1	Hiat1	100134827	1,14	down
6510250	7213228	1405990	hippocampus abundant gene transcript 1	Hiat1	100134827	1,12	up

5848866	7213228	1405995	hippocampus abundant gene transcript 1	Hiat1	100134827	1,11	up
5881869	7213228	1405997	hippocampus abundant gene transcript 1	Hiat1	100134827	1,03	down
6355643	7213228	1405991	hippocampus abundant gene transcript 1	Hiat1	100134827	1,02	down
5954817	7213228	1405996	hippocampus abundant gene transcript 1	Hiat1	100134827	1,02	down
5750636	7213228	1405990	hippocampus abundant gene transcript 1	Hiat1	100134827	1,02	up
5757815	7213228	1405998	hippocampus abundant gene transcript 1	Hiat1	100134827	1,02	up
5821814	7095868	1116764	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	2,06	down
6104864	7095868	1116760	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,58	up
6524934	7095868	1116759	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,35	up
5663254	7095868	1116772	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,34	up
6674457	7095868	1116771	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,28	up
5746818	7095868	1116794	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,24	up
6609098	7095868	1116759	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,22	up
6069597	7095868	1116786	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,20	down
6410558	7095868	1116769	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,17	up
6507133	7095868	1116805	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,17	down
5935134	7095868	1116778	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,17	down
6585040	7095868	1116766	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,15	down
5959731	7095868	1116799	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,15	down
6603546	7095868	1116777	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,13	up
6045978	7095868	1116783	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,12	up
6335816	7095868	1116767	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,11	down
5869647	7095868	1116789	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,10	down
6706215	7095868	1116781	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,10	up
5703460	7095868	1116768	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,08	up
5917786	7095868	1116797	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,08	down
5858882	7095868	1116791	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,08	up
6052267	7095868	1116773	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,07	down
5982799	7095868	1116795	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,06	down
5924965	7095868	1116790	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,03	up
6568511	7095868	1116759	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,03	up
6737451	7095868	1116778	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,02	up
5891987	7095868	1116770	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,02	up
5901291	7095868	1116785	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,01	up
5745440	7095868	1116805	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,00	up
6313499	7095868	1116792	HIR histone cell cycle regulation defective homolog A (S. cerevisiae)	Hira	363849	1,00	up
5916222	7216919	1415032	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	2,17	down
6370498	7216919	1415034	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	2,09	down
6265065	7216919	1415036	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,45	up
5929473	7216919	1415033	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,23	up
5656627	7216919	1415034	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,18	up
6369474	7216919	1415035	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,14	up
6206316	7216919	1415035	histocompatibility 2, class II antigen E alpha	H2-Ea	294269	1,11	up
5944113	7216406	1413934	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	2,56	up
6150866	7216406	1413936	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,97	down
6161527	7216406	1413936	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,47	up
5653098	7216406	1413937	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,32	up
5714759	7216406	1413935	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,29	down
6547895	7216406	1413933	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,25	down
5708759	7216406	1413934	histocompatibility 2, M region locus 10.6	H2-M10.6	414787	1,04	up
5727457	7220278	1423734	histocompatibility 2, M region locus 3	H2-M3	24747	2,40	up
6421806	7220278	1423735	histocompatibility 2, M region locus 3	H2-M3	24747	1,60	up
6220252	7220278	1423732	histocompatibility 2, M region locus 3	H2-M3	24747	1,41	down
5747548	7220278	1423731	histocompatibility 2, M region locus 3	H2-M3	24747	1,39	down
5691684	7220278	1423736	histocompatibility 2, M region locus 3	H2-M3	24747	1,28	down
6204352	7220278	1423733	histocompatibility 2, M region locus 3	H2-M3	24747	1,05	up
5971359	7216562	1414193	histocompatibility 2, T region locus 24	RT1-T24-1	361787	4,33	up

6193977	7216562	1414189	histocompatibility 2, T region locus 24	RT1-T24-1	361787	2,72	down
5824423	7216562	1414193	histocompatibility 2, T region locus 24	RT1-T24-1	361787	2,32	down
6495453	7216562	1414194	histocompatibility 2, T region locus 24	RT1-T24-1	361787	2,09	up
6490490	7216540	1414167	histocompatibility 2, T region locus 24	H2-T24	414784	1,98	up
6355099	7216540	1414163	histocompatibility 2, T region locus 24	H2-T24	414784	1,51	down
5903059	7216562	1414190	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,47	down
6470445	7216562	1414191	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,34	down
5629474	7216562	1414192	histocompatibility 2, T region locus 24	RT1-T24-1	361787	1,08	up
6584293	7216540	1414164	histocompatibility 2, T region locus 24 /// histocompatibility 2, T region locus 24 /// MHC class IRT//	RT1-T24-1 /// LC84 ///	361787 /// 36	2,15	down
6109003	7216540	1414165	histocompatibility 2, T region locus 24 /// histocompatibility 2, T region locus 24 /// MHC class IRT//	RT1-T24-1 /// LC84 ///	361787 /// 36	1,45	down
5905166	7216540	1414166	histocompatibility 2, T region locus 24 /// MHC class IRT1.O type 149 processed pseudogene	2-T24 /// LOC3602: 414784 ///	360231	2,33	up
6199191	7216540	1414162	histocompatibility 2, T region locus 24 /// MHC class IRT1.O type 149 processed pseudogene	2-T24 /// LOC3602: 414784 ///	360231	1,12	up
6545254	7228650	1444208	histone acetyltransferase 1	Hat1	296501	2,55	down
5640499	7228650	1444209	histone acetyltransferase 1	Hat1	296501	1,65	down
5837991	7228650	1444210	histone acetyltransferase 1	Hat1	296501	1,53	down
5745990	7228650	1444206	histone acetyltransferase 1	Hat1	296501	1,42	down
6417744	7228650	1444210	histone acetyltransferase 1	Hat1	296501	1,39	up
6488900	7228650	1444212	histone acetyltransferase 1	Hat1	296501	1,37	down
5664110	7228650	1444202	histone acetyltransferase 1	Hat1	296501	1,30	up
6082879	7228650	1444204	histone acetyltransferase 1	Hat1	296501	1,29	up
5855930	7228650	1444207	histone acetyltransferase 1	Hat1	296501	1,14	down
6003412	7228650	1444211	histone acetyltransferase 1	Hat1	296501	1,08	down
6589530	7228650	1444209	histone acetyltransferase 1	Hat1	296501	1,07	down
6132667	7228650	1444203	histone acetyltransferase 1	Hat1	296501	1,03	up
6218242	7228650	1444205	histone acetyltransferase 1	Hat1	296501	1,01	down
5947251	7291318	1599960	histone deacetylase 1	Hdac1	297893	1,48	down
5731857	7291318	1599959	histone deacetylase 1	Hdac1	297893	1,24	up
6049603	7291318	1599961	histone deacetylase 1	Hdac1	297893	1,22	up
6142089	7291318	1599966	histone deacetylase 1	Hdac1	297893	1,15	up
6301005	7291318	1599969	histone deacetylase 1	Hdac1	297893	1,14	down
5998451	7291318	1599973	histone deacetylase 1	Hdac1	297893	1,14	down
5818804	7291318	1599958	histone deacetylase 1	Hdac1	297893	1,13	down
5899058	7291318	1599965	histone deacetylase 1	Hdac1	297893	1,13	down
5831681	7291318	1599963	histone deacetylase 1	Hdac1	297893	1,09	up
5916883	7291318	1599967	histone deacetylase 1	Hdac1	297893	1,09	down
6348371	7291318	1599971	histone deacetylase 1	Hdac1	297893	1,09	down
6286039	7291318	1599972	histone deacetylase 1	Hdac1	297893	1,09	down
6327035	7291318	1599962	histone deacetylase 1	Hdac1	297893	1,06	up
5631536	7291318	1599964	histone deacetylase 1	Hdac1	297893	1,02	down
5666543	7373678	1805880	histone deacetylase 6	Hdac6	84581	1,23	up
5874870	7373678	1805879	histone deacetylase 6	Hdac6	84581	1,06	down
5713804	7373678	1805879	histone deacetylase 6	Hdac6	84581	1,05	up
6260803	7220618	1424432	HLA-B associated transcript 4	Bat4	415064	2,34	down
6043932	7220618	1424433	HLA-B associated transcript 4	Bat4	415064	1,12	up
6292893	7220618	1424432	HLA-B associated transcript 4	Bat4	415064	1,05	down
5661571	7091954	1107734	holocarboxylase synthetase (biotin-(propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)) ligase)	Hlcs	288240	3,58	up
5999122	7091954	1107730	holocarboxylase synthetase (biotin-(propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)) ligase)	Hlcs	288240	2,29	down
5706048	7091954	1107703	holocarboxylase synthetase (biotin-(propionyl-Coenzyme A-carboxylase (ATP-hydrolysing)) ligase)	Hlcs	288240	1,08	up
5811257	7374493	1807956	holocytochrome c synthetase	Hccs	317444	1,14	up
5736805	7374493	1807955	holocytochrome c synthetase	Hccs	317444	1,07	down
6069266	7374493	1807962	holocytochrome c synthetase	Hccs	317444	1,06	up
6182192	7264797	1534435	homeo box A4	Hoxa4	24453	1,43	down
6549100	7264797	1534435	homeo box A4	Hoxa4	24453	1,21	down
5838959	7264797	1534435	homeo box A4	Hoxa4	24453	1,11	up
6428165	7264797	1534435	homeo box A4	Hoxa4	24453	1,01	down
6024830	7264797	1534440	homeo box A5	Hoxa5	79241	1,65	down
5785131	7264797	1534441	homeo box A5	Hoxa5	79241	1,17	up

6122533	7264797	1534439	homeo box A5	Hoxa5	79241	1,08	down
6357483	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	2,21	up
5980071	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	1,39	up
6013336	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	1,37	up
6711338	7138089	1221344	homeobox and leucine zipper encoding	Homez	260325	1,29	down
6000902	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	1,19	down
6383850	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	1,16	up
5660103	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	1,13	up
5808769	7138089	1221345	homeobox and leucine zipper encoding	Homez	260325	1,10	down
6652683	7138089	1221344	homeobox and leucine zipper encoding	Homez	260325	1,06	down
6439463	7212285	1403960	homeodomain interacting protein kinase 1	Hipk1	365895	1,59	down
6702856	7212285	1403960	homeodomain interacting protein kinase 1	Hipk1	365895	1,43	down
6580189	7212285	1403960	homeodomain interacting protein kinase 1	Hipk1	365895	1,42	up
5953586	7212285	1403987	homeodomain interacting protein kinase 1	Hipk1	365895	1,26	down
5726174	7212285	1403977	homeodomain interacting protein kinase 1	Hipk1	365895	1,25	down
6551041	7212285	1403961	homeodomain interacting protein kinase 1	Hipk1	365895	1,23	up
5723303	7212285	1403971	homeodomain interacting protein kinase 1	Hipk1	365895	1,20	down
6702963	7212285	1403981	homeodomain interacting protein kinase 1	Hipk1	365895	1,16	down
5725497	7212285	1403960	homeodomain interacting protein kinase 1	Hipk1	365895	1,13	up
6560503	7212285	1403963	homeodomain interacting protein kinase 1	Hipk1	365895	1,11	down
5959920	7212285	1403961	homeodomain interacting protein kinase 1	Hipk1	365895	1,11	up
6710821	7212285	1403966	homeodomain interacting protein kinase 1	Hipk1	365895	1,10	up
6558814	7212285	1403978	homeodomain interacting protein kinase 1	Hipk1	365895	1,10	down
6499733	7212285	1403984	homeodomain interacting protein kinase 1	Hipk1	365895	1,09	up
5996154	7212285	1403960	homeodomain interacting protein kinase 1	Hipk1	365895	1,08	up
5758109	7212285	1403965	homeodomain interacting protein kinase 1	Hipk1	365895	1,08	down
6242136	7212285	1403960	homeodomain interacting protein kinase 1	Hipk1	365895	1,08	up
6744953	7212285	1403979	homeodomain interacting protein kinase 1	Hipk1	365895	1,05	down
6557311	7212285	1403973	homeodomain interacting protein kinase 1	Hipk1	365895	1,05	down
6189778	7212285	1403981	homeodomain interacting protein kinase 1	Hipk1	365895	1,05	down
6359078	7212285	1403962	homeodomain interacting protein kinase 1	Hipk1	365895	1,04	down
6628146	7212285	1403975	homeodomain interacting protein kinase 1	Hipk1	365895	1,03	down
6639954	7212285	1403964	homeodomain interacting protein kinase 1	Hipk1	365895	1,02	down
6674705	7212285	1403976	homeodomain interacting protein kinase 1	Hipk1	365895	1,00	down
6371065	7212285	1403973	homeodomain interacting protein kinase 1	Hipk1	365895	1,00	down
6452969	7217573	1416948	homolog of zebrafish ES1	RGD1303003	294326	2,16	down
5654118	7217573	1416947	homolog of zebrafish ES1	RGD1303003	294326	1,28	down
5980469	7217573	1416951	homolog of zebrafish ES1	RGD1303003	294326	1,27	up
6207765	7217573	1416954	homolog of zebrafish ES1	RGD1303003	294326	1,21	down
5661811	7217573	1416952	homolog of zebrafish ES1	RGD1303003	294326	1,20	up
5897192	7217573	1416953	homolog of zebrafish ES1	RGD1303003	294326	1,09	down
6177984	7217573	1416952	homolog of zebrafish ES1	RGD1303003	294326	1,08	down
6439612	7217573	1416949	homolog of zebrafish ES1	RGD1303003	294326	1,05	down
6001267	7217573	1416950	homolog of zebrafish ES1	RGD1303003	294326	1,04	up
6129510	7273421	1556308	hormone-regulated proliferation associated protein 20	Hrpap20	362495	2,20	up
6479185	7273421	1556307	hormone-regulated proliferation associated protein 20	Hrpap20	362495	1,73	up
6099108	7273421	1556306	hormone-regulated proliferation associated protein 20	Hrpap20	362495	1,66	down
6355344	7273421	1556309	hormone-regulated proliferation associated protein 20	Hrpap20	362495	1,08	down
6052746	7273421	1556306	hormone-regulated proliferation associated protein 20	Hrpap20	362495	1,03	up
5626667	7093820	1112184	Hspb associated protein 1	Hspbap1	171460	2,59	down
5972703	7093820	1112181	Hspb associated protein 1	Hspbap1	171460	2,07	down
5779255	7093820	1112186	Hspb associated protein 1	Hspbap1	171460	1,51	up
6028487	7093820	1112182	Hspb associated protein 1	Hspbap1	171460	1,49	down
6144325	7093820	1112185	Hspb associated protein 1	Hspbap1	171460	1,48	up
6540451	7093820	1112188	Hspb associated protein 1	Hspbap1	171460	1,45	down
5943743	7093820	1112181	Hspb associated protein 1	Hspbap1	171460	1,39	down
6345839	7093820	1112183	Hspb associated protein 1	Hspbap1	171460	1,23	up

5647830	7093820	1112185	Hspb associated protein 1	Hspbap1	171460	1,22	down
6713682	7093820	1112184	Hspb associated protein 1	Hspbap1	171460	1,09	down
6402933	7093820	1112187	Hspb associated protein 1	Hspbap1	171460	1,05	down
6694399	7279073	1570750	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	2,51	down
5883947	7279073	1570742	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,75	up
5650688	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,68	up
6447908	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,58	down
6476166	7279073	1570755	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,33	up
6184777	7279073	1570730	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,31	down
6476389	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,31	down
5868301	7279073	1570742	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,22	up
6413378	7279073	1570754	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,20	up
6589606	7279073	1570741	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,17	up
5874695	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,14	down
5796006	7279073	1570730	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,13	down
6289210	7279073	1570744	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,09	down
6318292	7279073	1570742	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,09	down
5964049	7279073	1570749	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,06	up
6100709	7279073	1570754	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,05	up
6196516	7279073	1570753	human immunodeficiency virus type I enhancer binding protein 3	Hivep3	313557	1,00	up
6645221	7082646	1085328	huntingtin-associated protein 1	Hap1	29430	2,19	up
6148519	7082646	1085331	huntingtin-associated protein 1	Hap1	29430	1,87	down
6473317	7082646	1085335	huntingtin-associated protein 1	Hap1	29430	1,71	up
6252995	7082646	1085328	huntingtin-associated protein 1	Hap1	29430	1,53	up
6642737	7082646	1085335	huntingtin-associated protein 1	Hap1	29430	1,52	down
6316013	7082646	1085329	huntingtin-associated protein 1	Hap1	29430	1,50	down
5844416	7082646	1085328	huntingtin-associated protein 1	Hap1	29430	1,43	up
5802855	7082646	1085331	huntingtin-associated protein 1	Hap1	29430	1,41	up
6186630	7082646	1085328	huntingtin-associated protein 1	Hap1	29430	1,34	up
6378677	7082646	1085337	huntingtin-associated protein 1	Hap1	29430	1,33	down
5867724	7082646	1085339	huntingtin-associated protein 1	Hap1	29430	1,33	down
6218873	7082646	1085330	huntingtin-associated protein 1	Hap1	29430	1,32	down
5978048	7082646	1085329	huntingtin-associated protein 1	Hap1	29430	1,29	up
6432435	7082646	1085334	huntingtin-associated protein 1	Hap1	29430	1,26	down
6488139	7082646	1085333	huntingtin-associated protein 1	Hap1	29430	1,25	down
5647805	7082646	1085329	huntingtin-associated protein 1	Hap1	29430	1,15	up
6245001	7082646	1085339	huntingtin-associated protein 1	Hap1	29430	1,12	up
6422687	7082646	1085328	huntingtin-associated protein 1	Hap1	29430	1,12	up
5823567	7082646	1085338	huntingtin-associated protein 1	Hap1	29430	1,09	down
6690777	7082646	1085328	huntingtin-associated protein 1	Hap1	29430	1,06	down
5624171	7082646	1085332	huntingtin-associated protein 1	Hap1	29430	1,05	up
6004446	7082646	1085336	huntingtin-associated protein 1	Hap1	29430	1,03	down
6574231	7082646	1085338	huntingtin-associated protein 1	Hap1	29430	1,01	down
6710202	7181001	1327701	hydrocephalus inducing	Hydin	292017	1,80	down
6395318	7181001	1327650	hydrocephalus inducing	Hydin	292017	1,80	up
6046199	7181001	1327700	hydrocephalus inducing	Hydin	292017	1,76	down
6510422	7181001	1327677	hydrocephalus inducing	Hydin	292017	1,75	down
6562980	7181001	1327684	hydrocephalus inducing	Hydin	292017	1,69	up
6280004	7181001	1327720	hydrocephalus inducing	Hydin	292017	1,63	down
5890428	7181001	1327715	hydrocephalus inducing	Hydin	292017	1,56	up
6132676	7181001	1327645	hydrocephalus inducing	Hydin	292017	1,52	down
5914822	7181001	1327675	hydrocephalus inducing	Hydin	292017	1,49	up
6632592	7181001	1327696	hydrocephalus inducing	Hydin	292017	1,44	down
6227145	7181001	1327710	hydrocephalus inducing	Hydin	292017	1,41	up
6337010	7181001	1327655	hydrocephalus inducing	Hydin	292017	1,41	up
5854139	7181001	1327718	hydrocephalus inducing	Hydin	292017	1,37	up
6644143	7181001	1327698	hydrocephalus inducing	Hydin	292017	1,36	down

6330633	7181001	1327697	hydrocephalus inducing	Hydin	292017	1,36	down
5983457	7181001	1327688	hydrocephalus inducing	Hydin	292017	1,35	down
6346146	7181001	1327692	hydrocephalus inducing	Hydin	292017	1,34	down
6295716	7181001	1327709	hydrocephalus inducing	Hydin	292017	1,31	up
6740578	7181001	1327704	hydrocephalus inducing	Hydin	292017	1,30	up
6466399	7181001	1327665	hydrocephalus inducing	Hydin	292017	1,30	down
6642987	7181001	1327714	hydrocephalus inducing	Hydin	292017	1,29	up
6704192	7181001	1327679	hydrocephalus inducing	Hydin	292017	1,28	down
6565677	7181001	1327657	hydrocephalus inducing	Hydin	292017	1,27	up
6728921	7181001	1327702	hydrocephalus inducing	Hydin	292017	1,27	down
6114174	7181001	1327719	hydrocephalus inducing	Hydin	292017	1,26	up
5777566	7181001	1327703	hydrocephalus inducing	Hydin	292017	1,26	down
6673038	7181001	1327671	hydrocephalus inducing	Hydin	292017	1,22	down
6052115	7181001	1327676	hydrocephalus inducing	Hydin	292017	1,22	down
6031853	7181001	1327664	hydrocephalus inducing	Hydin	292017	1,20	up
6309787	7181001	1327652	hydrocephalus inducing	Hydin	292017	1,20	down
5738612	7181001	1327717	hydrocephalus inducing	Hydin	292017	1,20	up
6726858	7181001	1327654	hydrocephalus inducing	Hydin	292017	1,18	down
6707097	7181001	1327669	hydrocephalus inducing	Hydin	292017	1,18	down
6404635	7181001	1327673	hydrocephalus inducing	Hydin	292017	1,15	up
5755198	7181001	1327672	hydrocephalus inducing	Hydin	292017	1,15	up
5623078	7181001	1327697	hydrocephalus inducing	Hydin	292017	1,15	up
5874752	7181001	1327699	hydrocephalus inducing	Hydin	292017	1,14	down
6685496	7181001	1327685	hydrocephalus inducing	Hydin	292017	1,14	down
5790307	7181001	1327644	hydrocephalus inducing	Hydin	292017	1,12	up
6514161	7181001	1327670	hydrocephalus inducing	Hydin	292017	1,12	up
6182432	7181001	1327694	hydrocephalus inducing	Hydin	292017	1,12	down
6156393	7181001	1327712	hydrocephalus inducing	Hydin	292017	1,12	down
5960387	7181001	1327719	hydrocephalus inducing	Hydin	292017	1,12	down
6729946	7181001	1327691	hydrocephalus inducing	Hydin	292017	1,11	down
6615916	7181001	1327675	hydrocephalus inducing	Hydin	292017	1,11	up
6157709	7181001	1327676	hydrocephalus inducing	Hydin	292017	1,10	up
6613618	7181001	1327705	hydrocephalus inducing	Hydin	292017	1,10	up
6052483	7181001	1327673	hydrocephalus inducing	Hydin	292017	1,10	down
6061086	7181001	1327681	hydrocephalus inducing	Hydin	292017	1,09	down
6516914	7181001	1327648	hydrocephalus inducing	Hydin	292017	1,08	down
5638777	7181001	1327682	hydrocephalus inducing	Hydin	292017	1,07	down
6690759	7181001	1327702	hydrocephalus inducing	Hydin	292017	1,07	up
5844051	7181001	1327719	hydrocephalus inducing	Hydin	292017	1,06	up
6350829	7181001	1327707	hydrocephalus inducing	Hydin	292017	1,06	down
6622717	7181001	1327653	hydrocephalus inducing	Hydin	292017	1,05	up
6333387	7181001	1327656	hydrocephalus inducing	Hydin	292017	1,05	up
6042109	7181001	1327678	hydrocephalus inducing	Hydin	292017	1,05	down
5990983	7181001	1327686	hydrocephalus inducing	Hydin	292017	1,04	up
6630790	7181001	1327663	hydrocephalus inducing	Hydin	292017	1,04	up
5761727	7181001	1327680	hydrocephalus inducing	Hydin	292017	1,04	up
5659121	7181001	1327701	hydrocephalus inducing	Hydin	292017	1,04	down
5668876	7181001	1327712	hydrocephalus inducing	Hydin	292017	1,03	down
6095772	7181001	1327660	hydrocephalus inducing	Hydin	292017	1,03	up
5955672	7181001	1327658	hydrocephalus inducing	Hydin	292017	1,03	up
6562414	7181001	1327651	hydrocephalus inducing	Hydin	292017	1,02	down
6389901	7181001	1327673	hydrocephalus inducing	Hydin	292017	1,02	up
6594293	7181001	1327673	hydrocephalus inducing	Hydin	292017	1,01	up
5646664	7181001	1327673	hydrocephalus inducing	Hydin	292017	1,00	up
6069092	7181001	1327687	hydrocephalus inducing	Hydin	292017	1,00	up
6371390	7181001	1327706	hydrocephalus inducing	Hydin	292017	1,00	up
6618520	7181001	1327675	hydrocephalus inducing	Hydin	292017	1,00	up

6695181	7181001	1327716	hydrocephalus inducing	Hydin	292017	1,00	down
6214633	7181001	1327662	hydrocephalus inducing	Hydin	292017	1,00	up
5643148	7245424	1486235	hydroxyacid oxidase 1, liver	Hao1	311446	2,08	up
5749783	7245424	1486239	hydroxyacid oxidase 1, liver	Hao1	311446	1,51	up
6309561	7245424	1486238	hydroxyacid oxidase 1, liver	Hao1	311446	1,45	down
6210400	7245424	1486231	hydroxyacid oxidase 1, liver	Hao1	311446	1,45	up
6230578	7245424	1486237	hydroxyacid oxidase 1, liver	Hao1	311446	1,40	down
6482400	7245424	1486233	hydroxyacid oxidase 1, liver	Hao1	311446	1,29	down
6031775	7245424	1486231	hydroxyacid oxidase 1, liver	Hao1	311446	1,17	down
5834457	7245424	1486240	hydroxyacid oxidase 1, liver	Hao1	311446	1,14	down
6451305	7245424	1486241	hydroxyacid oxidase 1, liver	Hao1	311446	1,10	up
5996809	7245424	1486232	hydroxyacid oxidase 1, liver	Hao1	311446	1,07	down
6033092	7075573	1069662	hydroxyacylglutathione hydrolase-like	Haghl	302995	2,05	down
6180704	7075573	1069661	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,36	down
6703536	7075573	1069664	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,27	down
6140406	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,20	up
5835100	7075573	1069659	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,17	up
5748497	7075573	1069662	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,16	down
5776720	7075573	1069662	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,11	up
6489797	7075573	1069664	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,08	down
5840759	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,07	down
6669910	7075573	1069660	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,07	up
6635696	7075573	1069661	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,05	down
6192294	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,04	up
6337558	7075573	1069663	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,04	up
6063883	7075573	1069663	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,03	up
5684642	7075573	1069663	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,03	down
6105999	7075573	1069658	hydroxyacylglutathione hydrolase-like	Haghl	302995	1,03	up
6342497	7211896	1403092	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	Hsd3b1	360348	2,14	up
5775215	7211896	1403092	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	Hsd3b1	360348	1,27	up
5769337	7211896	1403091	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1	Hsd3b1	360348	1,06	down
6652945	7211896	1403094	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 /// 3 beta-hydroxysteroid	Hsd3b1 /// Hsd3b	360348 /// 682974	1,97	down
5771768	7211896	1403093	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 /// 3 beta-hydroxysteroid	Hsd3b1 /// Hsd3b	360348 /// 682974	1,42	down
6340732	7211896	1403094	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 /// 3 beta-hydroxysteroid	Hsd3b1 /// Hsd3b	360348 /// 682974	1,41	down
5977500	7211896	1403094	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 /// 3 beta-hydroxysteroid	Hsd3b1 /// Hsd3b	360348 /// 682974	1,21	up
6685780	7211896	1403095	hydroxy-delta-5-steroid dehydrogenase, 3 beta- and steroid delta-isomerase 1 /// 3 beta-hydroxysteroid	Hsd3b1 /// Hsd3b	360348 /// 682974	1,06	down
6705698	7170376	1300385	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	2,11	up
6652880	7170376	1300394	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,98	up
5650336	7170376	1300392	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,64	down
6619017	7170376	1300384	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,44	down
6315234	7170376	1300376	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,43	down
6356930	7170376	1300386	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,33	down
6561449	7170376	1300391	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,32	up
6425621	7170376	1300375	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,32	up
5728947	7170376	1300372	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,30	up
6240179	7170376	1300394	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,30	up
6519137	7170376	1300389	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,29	down
6544674	7170376	1300379	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,28	down
5769020	7170376	1300390	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,28	up
5910991	7170376	1300388	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,25	down
5706074	7170376	1300377	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,23	up
6490649	7170376	1300373	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,23	up
6116822	7170376	1300378	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,22	down
5714063	7170376	1300387	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,20	down
5861459	7170376	1300370	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,11	up
5767530	7170376	1300374	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,10	up
6364483	7170376	1300380	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,10	down

5777194	7170376	1300375	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,09	up
6620798	7170376	1300381	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,08	down
5789878	7170376	1300382	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,08	up
6679333	7170376	1300392	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,04	up
6277586	7170376	1300371	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,03	down
5956701	7170376	1300393	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,03	down
5775856	7170376	1300383	hydroxysteroid (17-beta) dehydrogenase 4	Hsd17b4	79244	1,01	up
6706838	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	3,21	down
6467317	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,35	up
5700090	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,35	down
6176778	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,32	up
6608514	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,18	up
6665275	7079808	1079060	hypermethylated in cancer 1	Hic1	303310	1,12	up
6051237	7079808	1079060	hypermethylated in cancer 1	Hic1	303310	1,10	up
5867962	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,10	down
6575615	7079808	1079061	hypermethylated in cancer 1	Hic1	303310	1,10	down
6270668	7079808	1079060	hypermethylated in cancer 1	Hic1	303310	1,10	down
6092825	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,09	up
6278435	7079808	1079060	hypermethylated in cancer 1	Hic1	303310	1,08	down
6107672	7079808	1079059	hypermethylated in cancer 1	Hic1	303310	1,07	down
5991953	7079808	1079058	hypermethylated in cancer 1	Hic1	303310	1,04	up
6022429	7079808	1079061	hypermethylated in cancer 1	Hic1	303310	1,04	down
5638189	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	2,62	up
6516832	7189987	1349812	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,63	down
6127387	7189987	1349811	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,60	up
6701013	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,56	down
6363162	7189987	1349813	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,32	down
6658298	7189987	1349813	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,25	up
6033333	7189987	1349810	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,24	down
5709030	7189987	1349808	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,17	down
6047610	7189987	1349809	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,15	up
5701181	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,15	up
6662754	7189987	1349806	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,13	up
6107427	7189987	1349811	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,10	down
5684294	7189987	1349809	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,09	up
5722121	7189987	1349807	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,05	up
5873953	7189987	1349813	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,04	up
6451834	7189987	1349808	hyperpolarization-activated cyclic nucleotide-gated potassium channel 1	Hcn1	84390	1,04	up
5799276	7291386	1600071	hypocretin (orexin) receptor 1	Hcrtr1	25593	2,42	down
6383972	7291386	1600069	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,55	down
5910293	7291386	1600070	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,51	down
5744260	7291386	1600069	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,31	down
5937844	7291386	1600063	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,19	up
5854065	7291386	1600072	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,18	up
5855225	7291386	1600067	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,15	down
6277259	7291386	1600063	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,11	up
5973631	7291386	1600065	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,10	down
6185205	7291386	1600069	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,09	up
6641288	7291386	1600068	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,07	up
6743151	7291386	1600069	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,03	down
6437697	7291386	1600064	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,03	down
6561913	7291386	1600066	hypocretin (orexin) receptor 1	Hcrtr1	25593	1,01	down
6625824	7345456	1733792	hypothetical LOC100151767	LOC100151767	100151767	1,71	up
5764500	7345456	1733789	hypothetical LOC100151767	LOC100151767	100151767	1,67	up
6482511	7345456	1733788	hypothetical LOC100151767	LOC100151767	100151767	1,65	up
5810118	7345456	1733790	hypothetical LOC100151767	LOC100151767	100151767	1,44	down
5732648	7345456	1733787	hypothetical LOC100151767	LOC100151767	100151767	1,11	up

6352309	7345456	1733791	hypothetical LOC100151767	LOC100151767	100151767	1,04	up
6514523	7274780	1559207	hypothetical LOC298077	RGD1305807	298077	3,21	up
6540806	7274780	1559198	hypothetical LOC298077	RGD1305807	298077	3,00	up
6432878	7274780	1559196	hypothetical LOC298077	RGD1305807	298077	2,53	up
6692761	7274780	1559205	hypothetical LOC298077	RGD1305807	298077	2,18	up
5843744	7274780	1559189	hypothetical LOC298077	RGD1305807	298077	2,14	up
6488212	7274780	1559204	hypothetical LOC298077	RGD1305807	298077	2,13	up
5917714	7274780	1559187	hypothetical LOC298077	RGD1305807	298077	2,00	up
5669381	7274780	1559206	hypothetical LOC298077	RGD1305807	298077	1,82	up
6717905	7274780	1559207	hypothetical LOC298077	RGD1305807	298077	1,79	up
6662964	7274780	1559190	hypothetical LOC298077	RGD1305807	298077	1,74	up
5674211	7274780	1559192	hypothetical LOC298077	RGD1305807	298077	1,64	up
6483952	7274780	1559193	hypothetical LOC298077	RGD1305807	298077	1,49	up
6654815	7274780	1559202	hypothetical LOC298077	RGD1305807	298077	1,39	up
6323130	7274780	1559195	hypothetical LOC298077	RGD1305807	298077	1,34	up
6151986	7274780	1559188	hypothetical LOC298077	RGD1305807	298077	1,23	up
6682324	7274780	1559201	hypothetical LOC298077	RGD1305807	298077	1,15	down
6382294	7274780	1559191	hypothetical LOC298077	RGD1305807	298077	1,13	up
5701839	7274780	1559203	hypothetical LOC298077	RGD1305807	298077	1,11	up
6322813	7274780	1559182	hypothetical LOC298077	RGD1305807	298077	1,02	up
5981788	7231958	1452574	hypothetical LOC302884	MGC105649	302884	3,03	up
5794807	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,98	up
5941839	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,80	down
5631098	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,77	down
6423962	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,64	down
5673656	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,43	up
5821390	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,38	up
5709168	7231958	1452575	hypothetical LOC302884	MGC105649	302884	1,24	up
6248166	7231958	1452577	hypothetical LOC302884	MGC105649	302884	1,14	up
5828079	7231958	1452574	hypothetical LOC302884	MGC105649	302884	1,12	up
5648642	7085226	1091059	hypothetical LOC303743	RGD1307119	303743	2,17	down
5941338	7085226	1091058	hypothetical LOC303743	RGD1307119	303743	1,71	up
6722223	7085226	1091056	hypothetical LOC303743	RGD1307119	303743	1,51	up
6300114	7085226	1091058	hypothetical LOC303743	RGD1307119	303743	1,07	down
6501950	7085226	1091058	hypothetical LOC303743	RGD1307119	303743	1,05	down
5749584	7085226	1091059	hypothetical LOC303743	RGD1307119	303743	1,05	up
5767636	7085226	1091056	hypothetical LOC303743	RGD1307119	303743	1,04	down
5791211	7085226	1091057	hypothetical LOC303743	RGD1307119	303743	1,03	down
6205448	7085226	1091058	hypothetical LOC303743	RGD1307119	303743	1,01	down
6437576	7059449	1030300	hypothetical LOC309150	RGD1308234	309150	1,80	down
6141787	7059449	1030302	hypothetical LOC309150	RGD1308234	309150	1,57	up
6471638	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,56	down
6658195	7059449	1030300	hypothetical LOC309150	RGD1308234	309150	1,54	up
6086899	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,39	down
6555452	7059449	1030299	hypothetical LOC309150	RGD1308234	309150	1,37	down
5858420	7059449	1030303	hypothetical LOC309150	RGD1308234	309150	1,27	up
6130359	7059449	1030303	hypothetical LOC309150	RGD1308234	309150	1,26	down
6237777	7059449	1030298	hypothetical LOC309150	RGD1308234	309150	1,21	down
6329220	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,18	up
6248043	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,13	down
6001651	7059449	1030301	hypothetical LOC309150	RGD1308234	309150	1,10	up
6164158	7059449	1030297	hypothetical LOC309150	RGD1308234	309150	1,09	up
5728085	7059449	1030301	hypothetical LOC309150	RGD1308234	309150	1,08	up
5634087	7059449	1030298	hypothetical LOC309150	RGD1308234	309150	1,03	up
6734265	7059449	1030301	hypothetical LOC309150	RGD1308234	309150	1,01	down
5970789	7368489	1791034	hypothetical LOC313936	LOC313936	313936	1,40	down
5949389	7368489	1791034	hypothetical LOC313936	LOC313936	313936	1,27	down

6115184	7368489	1791031	hypothetical LOC313936	LOC313936	313936	1,23	down
5838253	7368489	1791030	hypothetical LOC313936	LOC313936	313936	1,22	down
5657473	7368489	1791028	hypothetical LOC313936	LOC313936	313936	1,17	down
6514130	7368489	1791033	hypothetical LOC313936	LOC313936	313936	1,14	up
5968908	7368489	1791034	hypothetical LOC313936	LOC313936	313936	1,13	down
6389857	7368489	1791027	hypothetical LOC313936	LOC313936	313936	1,12	down
5712657	7368489	1791029	hypothetical LOC313936	LOC313936	313936	1,11	up
5735958	7368489	1791034	hypothetical LOC313936	LOC313936	313936	1,10	down
5807151	7368489	1791031	hypothetical LOC313936	LOC313936	313936	1,04	down
5782786	7370779	1798156	hypothetical LOC363301	LOC363301	363301	1,94	up
5952099	7370779	1798159	hypothetical LOC363301	LOC363301	363301	1,32	up
5923776	7370779	1798158	hypothetical LOC363301	LOC363301	363301	1,27	up
6236956	7194172	1361175	hypothetical LOC499618	LOC499618	499618	2,19	up
6294308	7194172	1361170	hypothetical LOC499618	LOC499618	499618	1,61	up
5733561	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,39	down
6333313	7194172	1361171	hypothetical LOC499618	LOC499618	499618	1,30	up
5935080	7194172	1361178	hypothetical LOC499618	LOC499618	499618	1,23	up
6723806	7194172	1361174	hypothetical LOC499618	LOC499618	499618	1,17	up
6297539	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,11	up
6505046	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,10	up
6242084	7194172	1361185	hypothetical LOC499618	LOC499618	499618	1,10	up
6615974	7194172	1361181	hypothetical LOC499618	LOC499618	499618	1,09	up
5867029	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,07	down
6462441	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,07	up
5703231	7194172	1361184	hypothetical LOC499618	LOC499618	499618	1,04	up
6123831	7194172	1361179	hypothetical LOC499618	LOC499618	499618	1,01	up
6370278	7368565	1791272	hypothetical LOC501092	LOC501092	501092	1,31	up
6687773	7370853	1798413	hypothetical LOC501212	LOC501212	501212	2,46	up
5666143	7113142	1160115	hypothetical protein Dd25	Dd25	360863	2,31	up
5799981	7113142	1160121	hypothetical protein Dd25	Dd25	360863	1,31	down
6111977	7113142	1160116	hypothetical protein Dd25	Dd25	360863	1,27	up
6685822	7113142	1160120	hypothetical protein Dd25	Dd25	360863	1,22	down
5755436	7113142	1160101	hypothetical protein Dd25	Dd25	360863	1,22	down
5637327	7113142	1160112	hypothetical protein Dd25	Dd25	360863	1,21	up
6009990	7113142	1160110	hypothetical protein Dd25	Dd25	360863	1,21	up
5768030	7113142	1160101	hypothetical protein Dd25	Dd25	360863	1,20	down
6164209	7113142	1160123	hypothetical protein Dd25	Dd25	360863	1,19	down
6042504	7113142	1160114	hypothetical protein Dd25	Dd25	360863	1,19	down
6120784	7113142	1160118	hypothetical protein Dd25	Dd25	360863	1,13	up
6107813	7113142	1160119	hypothetical protein Dd25	Dd25	360863	1,13	up
5932993	7113142	1160108	hypothetical protein Dd25	Dd25	360863	1,11	down
6470688	7113142	1160107	hypothetical protein Dd25	Dd25	360863	1,10	up
5769154	7113142	1160105	hypothetical protein Dd25	Dd25	360863	1,10	up
6002079	7113142	1160113	hypothetical protein Dd25	Dd25	360863	1,09	down
6698837	7113142	1160103	hypothetical protein Dd25	Dd25	360863	1,09	up
6224682	7113142	1160117	hypothetical protein Dd25	Dd25	360863	1,09	up
5688946	7113142	1160102	hypothetical protein Dd25	Dd25	360863	1,07	down
6596475	7113142	1160104	hypothetical protein Dd25	Dd25	360863	1,06	up
6560687	7113142	1160111	hypothetical protein Dd25	Dd25	360863	1,03	up
6231759	7113142	1160106	hypothetical protein Dd25	Dd25	360863	1,03	down
6093914	7113142	1160122	hypothetical protein Dd25	Dd25	360863	1,01	down
5762977	7113142	1160109	hypothetical protein Dd25	Dd25	360863	1,00	up
5730297	7345655	1734342	hypothetical protein LOC100125362	rCG_58138	100125362	2,43	down
5786535	7345655	1734340	hypothetical protein LOC100125362	rCG_58138	100125362	1,64	up
5818934	7345655	1734341	hypothetical protein LOC100125362	rCG_58138	100125362	1,28	up
6600285	7345655	1734341	hypothetical protein LOC100125362	rCG_58138	100125362	1,05	down
6306696	7345655	1734342	hypothetical protein LOC100125362	rCG_58138	100125362	1,04	down

6325507	7231655	1451904	hypothetical protein LOC100137086	LOC100137086	100137086	1,68	down
5986829	7231655	1451908	hypothetical protein LOC100137086	LOC100137086	100137086	1,39	up
5636748	7231655	1451911	hypothetical protein LOC100137086	LOC100137086	100137086	1,36	up
6327443	7231655	1451910	hypothetical protein LOC100137086	LOC100137086	100137086	1,33	down
5795148	7231655	1451907	hypothetical protein LOC100137086	LOC100137086	100137086	1,27	up
5842452	7231655	1451905	hypothetical protein LOC100137086	LOC100137086	100137086	1,19	down
6216955	7231655	1451910	hypothetical protein LOC100137086	LOC100137086	100137086	1,18	up
6689323	7231655	1451905	hypothetical protein LOC100137086	LOC100137086	100137086	1,15	up
6459787	7231655	1451906	hypothetical protein LOC100137086	LOC100137086	100137086	1,11	down
6021894	7231655	1451909	hypothetical protein LOC100137086	LOC100137086	100137086	1,03	up
6157658	7176275	1315331	hypothetical protein LOC361335	LOC361335	361335	1,15	up
6089934	7061550	1035298	hypothetical protein LOC499339	LOC499339	499339	2,66	down
6675121	7061550	1035301	hypothetical protein LOC499339	LOC499339	499339	1,86	down
5791461	7061550	1035286	hypothetical protein LOC499339	LOC499339	499339	1,85	up
6144271	7061550	1035285	hypothetical protein LOC499339	LOC499339	499339	1,78	up
5870254	7061550	1035296	hypothetical protein LOC499339	LOC499339	499339	1,66	down
5913168	7061550	1035294	hypothetical protein LOC499339	LOC499339	499339	1,48	up
6398244	7061550	1035284	hypothetical protein LOC499339	LOC499339	499339	1,43	down
5916585	7061550	1035279	hypothetical protein LOC499339	LOC499339	499339	1,37	down
6699066	7061550	1035292	hypothetical protein LOC499339	LOC499339	499339	1,37	up
5917990	7061550	1035290	hypothetical protein LOC499339	LOC499339	499339	1,37	down
5872610	7061550	1035299	hypothetical protein LOC499339	LOC499339	499339	1,36	up
5920390	7061550	1035297	hypothetical protein LOC499339	LOC499339	499339	1,31	up
6197971	7061550	1035289	hypothetical protein LOC499339	LOC499339	499339	1,26	up
5797098	7061550	1035295	hypothetical protein LOC499339	LOC499339	499339	1,24	up
6231102	7061550	1035281	hypothetical protein LOC499339	LOC499339	499339	1,20	down
6057891	7061550	1035293	hypothetical protein LOC499339	LOC499339	499339	1,08	up
5765742	7061550	1035300	hypothetical protein LOC499339	LOC499339	499339	1,02	up
5785034	7061550	1035280	hypothetical protein LOC499339	LOC499339	499339	1,01	down
6374068	7333434	1703573	hypothetical protein LOC500956	LOC500956	500956	2,26	down
5847297	7333434	1703568	hypothetical protein LOC500956	LOC500956	500956	2,13	up
6050508	7333434	1703572	hypothetical protein LOC500956	LOC500956	500956	2,01	down
6389203	7333434	1703572	hypothetical protein LOC500956	LOC500956	500956	1,83	down
5876891	7333434	1703574	hypothetical protein LOC500956	LOC500956	500956	1,64	down
6657257	7333434	1703573	hypothetical protein LOC500956	LOC500956	500956	1,48	down
6626361	7333434	1703567	hypothetical protein LOC500956	LOC500956	500956	1,33	up
6119803	7333434	1703570	hypothetical protein LOC500956	LOC500956	500956	1,32	up
6629877	7333434	1703571	hypothetical protein LOC500956	LOC500956	500956	1,30	up
6173718	7333434	1703569	hypothetical protein LOC500956	LOC500956	500956	1,30	up
5890547	7333434	1703572	hypothetical protein LOC500956	LOC500956	500956	1,30	up
6236451	7333434	1703574	hypothetical protein LOC500956	LOC500956	500956	1,04	up
6248648	7369954	1795670	hypothetical protein LOC501396	LOC501396	501396	1,32	down
6327921	7369954	1795663	hypothetical protein LOC501396 /// hypothetical protein LOC688586 /// similar to hypothetical prote:688586 /// LOC69: 688586 /// 691633	LOC501396	501396	1,13	down
6335971	7369954	1795662	hypothetical protein LOC501396 /// hypothetical protein LOC688586 /// similar to hypothetical prote:688586 /// LOC691633 /// 86 /// 691633 /// 50	LOC501396	501396	1,51	down
6689892	7369954	1795665	hypothetical protein LOC501396 /// similar to hypothetical protein LOC501396 /// similar to hypothe:688586 /// LOC691594 /// 96 /// 691594 /// 69	LOC501396	501396	2,45	down
6330778	7374324	1807540	hypothetical protein LOC501546	LOC501546	501546	1,48	down
6338951	7374324	1807443	hypothetical protein LOC501546	LOC501546	501546	1,27	up
6428094	7374324	1807474	hypothetical protein LOC501546	LOC501546	501546	1,10	up
6047524	7374324	1807445	hypothetical protein LOC501546	LOC501546	501546	1,06	down
6041595	7229061	1445257	hypothetical protein LOC679513	LOC679513	679513	1,17	down
5659073	7229061	1445257	hypothetical protein LOC679513	LOC679513	679513	1,12	up
5812344	7190524	1351171	hypothetical protein LOC679830	LOC679830	679830	2,54	down
6588860	7190524	1351171	hypothetical protein LOC679830	LOC679830	679830	1,67	down
6425516	7190524	1351171	hypothetical protein LOC679830	LOC679830	679830	1,57	down
6396156	7190524	1351179	hypothetical protein LOC679830	LOC679830	679830	1,46	up
6366551	7190524	1351183	hypothetical protein LOC679830	LOC679830	679830	1,41	down
6639218	7190524	1351174	hypothetical protein LOC679830	LOC679830	679830	1,29	up

6459700	7190524	1351179	hypothetical protein LOC679830	LOC679830	679830	1,16	up
5911896	7190524	1351180	hypothetical protein LOC679830	LOC679830	679830	1,11	up
6715023	7190524	1351178	hypothetical protein LOC679830	LOC679830	679830	1,10	up
6673384	7190524	1351176	hypothetical protein LOC679830	LOC679830	679830	1,08	down
5914228	7190524	1351182	hypothetical protein LOC679830	LOC679830	679830	1,06	down
6741460	7190524	1351181	hypothetical protein LOC679830	LOC679830	679830	1,06	up
6416237	7190524	1351190	hypothetical protein LOC679859	LOC679859	679859	1,23	down
5663044	7190524	1351191	hypothetical protein LOC679859	LOC679859	679859	1,11	up
6327681	7190524	1351191	hypothetical protein LOC679859	LOC679859	679859	1,05	down
6742501	7120010	1177382	hypothetical protein LOC680039	LOC680039	680039	2,81	down
5718692	7120010	1177372	hypothetical protein LOC680039	LOC680039	680039	2,00	down
6465556	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,32	down
5883900	7120010	1177386	hypothetical protein LOC680039	LOC680039	680039	1,28	down
5776806	7120010	1177381	hypothetical protein LOC680039	LOC680039	680039	1,26	down
6729337	7120010	1177388	hypothetical protein LOC680039	LOC680039	680039	1,18	up
6700078	7120010	1177389	hypothetical protein LOC680039	LOC680039	680039	1,18	down
6682887	7120010	1177388	hypothetical protein LOC680039	LOC680039	680039	1,17	up
6295152	7120010	1177374	hypothetical protein LOC680039	LOC680039	680039	1,12	up
5877104	7120010	1177374	hypothetical protein LOC680039	LOC680039	680039	1,10	up
5834430	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,09	down
6264352	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,08	up
5871238	7120010	1177385	hypothetical protein LOC680039	LOC680039	680039	1,08	up
6474943	7120010	1177383	hypothetical protein LOC680039	LOC680039	680039	1,06	down
6556411	7120010	1177389	hypothetical protein LOC680039	LOC680039	680039	1,02	up
6237433	7383655	1828575	hypothetical protein LOC680282	LOC680282	680282	1,76	down
6261381	7383655	1828573	hypothetical protein LOC680282	LOC680282	680282	1,42	up
6743610	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,18	down
5896010	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,17	down
5849123	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,10	down
6139161	7383655	1828576	hypothetical protein LOC680282	LOC680282	680282	1,00	up
5892153	7247334	1490820	hypothetical protein LOC680485	LOC680485	680485	3,62	down
6359761	7247334	1490815	hypothetical protein LOC680485	LOC680485	680485	2,49	up
6542198	7247334	1490813	hypothetical protein LOC680485	LOC680485	680485	2,41	up
5752954	7247334	1490821	hypothetical protein LOC680485	LOC680485	680485	1,26	down
5706769	7227775	1441791	hypothetical protein LOC680630	LOC680630	680630	1,32	down
6267052	7227775	1441791	hypothetical protein LOC680630	LOC680630	680630	1,02	down
6105550	7227775	1441790	hypothetical protein LOC680630	LOC680630	680630	1,01	up
6168193	7127691	1195642	hypothetical protein LOC681091	LOC681091	681091	1,26	down
6482027	7127691	1195640	hypothetical protein LOC681091	LOC681091	681091	1,23	up
5827978	7294851	1608360	hypothetical protein LOC681150	LOC681150	681150	1,63	down
5968107	7044349	996706	hypothetical protein LOC681235	LOC681235	681235	1,88	up
6083612	7044349	996707	hypothetical protein LOC681235	LOC681235	681235	1,16	down
5900889	7160846	1277346	hypothetical protein LOC681411	LOC681411	681411	1,63	down
6175779	7160846	1277346	hypothetical protein LOC681411	LOC681411	681411	1,62	down
6168764	7093835	1112252	hypothetical protein LOC684680	LOC684680	684680	1,15	up
6014111	7097305	1120448	hypothetical protein LOC684993	LOC684993	684993	1,49	up
6087030	7097305	1120447	hypothetical protein LOC684993	LOC684993	684993	1,41	down
5952965	7097305	1120449	hypothetical protein LOC684993	LOC684993	684993	1,28	down
6112181	7097305	1120448	hypothetical protein LOC684993	LOC684993	684993	1,27	down
5739391	7097305	1120446	hypothetical protein LOC684993	LOC684993	684993	1,24	down
6366040	7097305	1120449	hypothetical protein LOC684993	LOC684993	684993	1,20	down
6689280	7097305	1120448	hypothetical protein LOC684993	LOC684993	684993	1,13	up
6402337	7038659	982163	hypothetical protein LOC685283	LOC685283	685283	2,02	down
5675269	7038659	982163	hypothetical protein LOC685283	LOC685283	685283	1,27	up
6474502	7038659	982163	hypothetical protein LOC685283	LOC685283	685283	1,26	up
5854279	7038659	982163	hypothetical protein LOC685283	LOC685283	685283	1,20	down
6356327	7038659	982163	hypothetical protein LOC685283	LOC685283	685283	1,14	down

6741328	7038659	982163	hypothetical protein LOC685283	LOC685283	685283	1,00	up
6285700	7264745	1534266	hypothetical protein LOC685548	LOC685548	685548	1,51	up
6730758	7264745	1534266	hypothetical protein LOC685548	LOC685548	685548	1,48	up
5798623	7264745	1534265	hypothetical protein LOC685548	LOC685548	685548	1,31	down
6716476	7264745	1534265	hypothetical protein LOC685548	LOC685548	685548	1,11	up
6471138	7264745	1534267	hypothetical protein LOC685548	LOC685548	685548	1,08	up
5788882	7264745	1534266	hypothetical protein LOC685548	LOC685548	685548	1,03	down
6160245	7369166	1793390	hypothetical protein LOC685594	LOC685594	685594	2,27	down
6365534	7369166	1793391	hypothetical protein LOC685594	LOC685594	685594	2,08	down
6339417	7237346	1466594	hypothetical protein LOC685663	LOC685663	685663	1,42	up
6020226	7237346	1466591	hypothetical protein LOC685663	LOC685663	685663	1,33	down
5856413	7237346	1466594	hypothetical protein LOC685663	LOC685663	685663	1,00	up
6312442	7237346	1466594	hypothetical protein LOC685663	LOC685663	685663	1,00	up
5779651	7358048	1764788	hypothetical protein LOC685917	LOC685917	685917	1,44	up
6159983	7358048	1764789	hypothetical protein LOC685917	LOC685917	685917	1,09	up
6626714	7279810	1572573	hypothetical protein LOC685947	LOC685947	685947	1,32	down
6481363	7167325	1292548	hypothetical protein LOC686299	LOC686299	686299	1,04	down
6647899	7147791	1245415	hypothetical protein LOC686835	LOC686835	686835	1,40	down
6539909	7147791	1245410	hypothetical protein LOC686835	LOC686835	686835	1,22	up
6343065	7147791	1245413	hypothetical protein LOC686835	LOC686835	686835	1,17	down
6142791	7147791	1245413	hypothetical protein LOC686835	LOC686835	686835	1,03	down
5795810	7102369	1133434	hypothetical protein LOC687361	LOC687361	687361	1,11	up
6609878	7056333	1023673	hypothetical protein LOC687429	LOC687429	687429	1,26	up
5952729	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,63	down
6109851	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,56	down
6397393	7083031	1086278	hypothetical protein LOC688211	LOC688211	688211	1,46	down
6191055	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,40	down
6002470	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,30	up
5655841	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,28	down
6608815	7083031	1086276	hypothetical protein LOC688211	LOC688211	688211	1,28	up
5746851	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,18	up
5947305	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,17	up
6410107	7083031	1086277	hypothetical protein LOC688211	LOC688211	688211	1,14	down
6430566	7083031	1086279	hypothetical protein LOC688211	LOC688211	688211	1,07	up
6448309	7083031	1086291	hypothetical protein LOC688211	LOC688211	688211	1,02	up
6505258	7184850	1337594	hypothetical protein LOC688736	MGC116202	688736	2,14	down
6131871	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,77	up
6013382	7184850	1337591	hypothetical protein LOC688736	MGC116202	688736	1,57	up
6094964	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,53	down
6400625	7184850	1337592	hypothetical protein LOC688736	MGC116202	688736	1,46	down
5903596	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,37	up
6217450	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,25	down
5771533	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,25	down
6354327	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,23	down
6581182	7184850	1337592	hypothetical protein LOC688736	MGC116202	688736	1,18	down
6104739	7184850	1337595	hypothetical protein LOC688736	MGC116202	688736	1,13	up
6376746	7184850	1337599	hypothetical protein LOC688736	MGC116202	688736	1,13	up
6537882	7184850	1337591	hypothetical protein LOC688736	MGC116202	688736	1,03	down
6720933	7184850	1337593	hypothetical protein LOC688736	MGC116202	688736	1,02	down
6658702	7184850	1337595	hypothetical protein LOC688736	MGC116202	688736	1,00	down
6319723	7105780	1141689	hypothetical protein LOC688764	LOC688764	688764	1,51	up
6425781	7155866	1265339	hypothetical protein LOC689165	LOC689165	689165	1,30	down
5756065	7155866	1265339	hypothetical protein LOC689165	LOC689165	689165	1,10	up
5769954	7267802	1541865	hypothetical protein LOC689252	LOC689252	689252	1,56	down
6131249	7267802	1541873	hypothetical protein LOC689252	LOC689252	689252	1,48	down
5959005	7252513	1503831	hypothetical protein LOC689574	LOC689574	689574	1,51	up
6684805	7252513	1503833	hypothetical protein LOC689574	LOC689574	689574	1,28	down

6349291	7252513	1503833	hypothetical protein LOC689574	LOC689574	689574	1,12	up
6335743	7252513	1503829	hypothetical protein LOC689574	LOC689574	689574	1,09	down
6024011	7252513	1503832	hypothetical protein LOC689574	LOC689574	689574	1,07	down
6574990	7280425	1573808	hypothetical protein LOC689656	LOC689656	689656	1,03	down
6270825	7122585	1183684	hypothetical protein LOC689986	LOC689986	689986	1,23	up
5916105	7122585	1183684	hypothetical protein LOC689986	LOC689986	689986	1,18	up
6476869	7122585	1183684	hypothetical protein LOC689986	LOC689986	689986	1,08	down
6333797	7122585	1183684	hypothetical protein LOC689986	LOC689986	689986	1,05	up
5829701	7208710	1395900	hypothetical protein LOC690333	LOC690333	690333	2,30	down
6237184	7208710	1395895	hypothetical protein LOC690333	LOC690333	690333	1,37	up
5727493	7208710	1395893	hypothetical protein LOC690333	LOC690333	690333	1,26	down
6738669	7208710	1395892	hypothetical protein LOC690333	LOC690333	690333	1,20	up
6346733	7208710	1395893	hypothetical protein LOC690333	LOC690333	690333	1,19	down
5943407	7208710	1395895	hypothetical protein LOC690333	LOC690333	690333	1,18	down
5654469	7208710	1395895	hypothetical protein LOC690333	LOC690333	690333	1,17	up
6714558	7208710	1395893	hypothetical protein LOC690333	LOC690333	690333	1,16	down
6181372	7208710	1395892	hypothetical protein LOC690333	LOC690333	690333	1,10	up
6250580	7208710	1395901	hypothetical protein LOC690333	LOC690333	690333	1,08	down
6165709	7208710	1395894	hypothetical protein LOC690333	LOC690333	690333	1,05	up
6178340	7280959	1575040	hypothetical protein LOC690449	LOC690449	690449	1,59	down
6048345	7181026	1327832	hypothetical protein LOC690682	LOC690682	690682	1,42	up
5848275	7181026	1327837	hypothetical protein LOC690682	LOC690682	690682	1,12	up
5990356	7370853	1798412	hypothetical protein LOC690822	LOC690822	690822	1,27	down
5707136	7073995	1066034	hypothetical protein LOC690871	LOC690871	690871	2,16	down
6393904	7073995	1066033	hypothetical protein LOC690871	LOC690871	690871	1,37	up
6737442	7073995	1066032	hypothetical protein LOC690871	LOC690871	690871	1,07	up
5814967	7073995	1066034	hypothetical protein LOC690871	LOC690871	690871	1,04	up
6325921	7067939	1050948	hypothetical protein LOC691259	LOC691259	691259	2,47	up
5776139	7067939	1050952	hypothetical protein LOC691259	LOC691259	691259	1,55	down
5918144	7067939	1050953	hypothetical protein LOC691259	LOC691259	691259	1,43	down
6677532	7067939	1050957	hypothetical protein LOC691259	LOC691259	691259	1,22	up
6703251	7067939	1050957	hypothetical protein LOC691259	LOC691259	691259	1,16	up
5829831	7067939	1050956	hypothetical protein LOC691259	LOC691259	691259	1,13	down
5932345	7067939	1050951	hypothetical protein LOC691259	LOC691259	691259	1,11	down
6504724	7067939	1050954	hypothetical protein LOC691259	LOC691259	691259	1,09	up
6666587	7067939	1050949	hypothetical protein LOC691259	LOC691259	691259	1,05	up
6476543	7067939	1050957	hypothetical protein LOC691259	LOC691259	691259	1,04	up
6240391	7368555	1791225	hypothetical protein LOC691473	LOC691473	691473	1,12	down
6051641	7368555	1791228	hypothetical protein LOC691476	LOC691476	691476	2,02	up
6213295	7231152	1450274	hypothetical protein LOC691543	LOC691543	691543	4,27	up
6255494	7231152	1450269	hypothetical protein LOC691543	LOC691543	691543	3,54	up
6092303	7231152	1450264	hypothetical protein LOC691543	LOC691543	691543	3,21	up
5935087	7231152	1450273	hypothetical protein LOC691543	LOC691543	691543	3,06	up
6209316	7231152	1450277	hypothetical protein LOC691543	LOC691543	691543	3,04	up
6135404	7231152	1450272	hypothetical protein LOC691543	LOC691543	691543	2,84	up
5845122	7231152	1450267	hypothetical protein LOC691543	LOC691543	691543	2,79	up
6271899	7231152	1450270	hypothetical protein LOC691543	LOC691543	691543	2,51	up
5780797	7231152	1450268	hypothetical protein LOC691543	LOC691543	691543	2,19	up
5714982	7231152	1450277	hypothetical protein LOC691543	LOC691543	691543	2,07	up
6011877	7231152	1450277	hypothetical protein LOC691543	LOC691543	691543	1,92	up
5692263	7231152	1450271	hypothetical protein LOC691543	LOC691543	691543	1,61	up
6006056	7231152	1450269	hypothetical protein LOC691543	LOC691543	691543	1,56	up
6569180	7337314	1712896	hypothetical protein LOC691572	LOC691572	691572	2,05	down
6173579	7337314	1712894	hypothetical protein LOC691572	LOC691572	691572	1,52	up
6594560	7337314	1712890	hypothetical protein LOC691572	LOC691572	691572	1,45	down
6225759	7337314	1712892	hypothetical protein LOC691572	LOC691572	691572	1,13	up
6238163	7337314	1712897	hypothetical protein LOC691572	LOC691572	691572	1,10	down

6526836	7337314	1712894	hypothetical protein LOC691572	LOC691572	691572	1,08	up
6350543	7337314	1712894	hypothetical protein LOC691572	LOC691572	691572	1,06	down
6555111	7337314	1712895	hypothetical protein LOC691572	LOC691572	691572	1,05	up
5912891	7337314	1712893	hypothetical protein LOC691572	LOC691572	691572	1,05	down
5964826	7048444	1006493	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	2,81	down
6570021	7048444	1006497	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,43	up
5736354	7048444	1006498	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,39	up
6603459	7048444	1006495	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,36	down
6543813	7048444	1006494	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,31	up
6182176	7048444	1006500	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,25	down
6222683	7048444	1006496	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,19	down
6562601	7048444	1006501	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,19	up
5634016	7048444	1006499	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,17	up
6398634	7048444	1006489	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,12	up
6700315	7048444	1006492	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,09	up
6086204	7048444	1006493	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,07	up
6180600	7048444	1006491	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,06	up
5639963	7048444	1006490	hypoxia inducible factor 3, alpha subunit	Hif3a	64345	1,03	up
5806168	7060310	1032233	IIIIG9 protein	liig9	252958	2,26	down
6129707	7060310	1032225	IIIIG9 protein	liig9	252958	2,02	down
5772265	7060310	1032225	IIIIG9 protein	liig9	252958	1,71	down
5870007	7060310	1032220	IIIIG9 protein	liig9	252958	1,45	down
5770796	7060310	1032231	IIIIG9 protein	liig9	252958	1,42	down
6682134	7060310	1032226	IIIIG9 protein	liig9	252958	1,25	up
6055569	7060310	1032230	IIIIG9 protein	liig9	252958	1,22	up
6676365	7060310	1032222	IIIIG9 protein	liig9	252958	1,21	up
6636136	7060310	1032232	IIIIG9 protein	liig9	252958	1,20	down
6222228	7060310	1032224	IIIIG9 protein	liig9	252958	1,15	down
5989399	7060310	1032232	IIIIG9 protein	liig9	252958	1,11	up
5940394	7060310	1032221	IIIIG9 protein	liig9	252958	1,09	up
5764372	7060310	1032223	IIIIG9 protein	liig9	252958	1,07	down
5970161	7060310	1032229	IIIIG9 protein	liig9	252958	1,05	up
6120088	7060310	1032227	IIIIG9 protein	liig9	252958	1,04	up
6306233	7060310	1032228	IIIIG9 protein	liig9	252958	1,00	up
5773474	7076940	1073085	immunity-related GTPase family, M	Irgm	303090	2,26	down
6517101	7076940	1073087	immunity-related GTPase family, M	Irgm	303090	1,56	down
6366602	7076940	1073085	immunity-related GTPase family, M	Irgm	303090	1,52	up
6412491	7076940	1073086	immunity-related GTPase family, M	Irgm	303090	1,12	down
6167148	7076940	1073086	immunity-related GTPase family, M	Irgm	303090	1,11	up
5941862	7076940	1073085	immunity-related GTPase family, M	Irgm	303090	1,07	down
6169632	7310851	1649601	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,46	down
6714617	7310851	1649627	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,27	down
5824951	7310851	1649628	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,26	up
5787671	7310851	1649600	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,22	up
6394005	7310851	1649603	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,15	up
6125170	7310851	1649603	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,11	up
5885129	7310851	1649601	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,06	down
6183730	7310851	1649602	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,03	up
6620262	7310851	1649637	immunoglobulin heavy chain (alpha polypeptide) (mapped)	Igha_mapped	314487	1,01	up
6707824	7310851	1649626	immunoglobulin heavy chain (alpha polypeptide) (mapped) /// gamma-2a immunoglobulin heavy cha///	IgG-2a /// LOC3 367586 /// 314509		1,12	up
6279240	7310851	1649636	Immunoglobulin heavy chain (gamma polypeptide)	Ighg	299354	1,69	down
6116304	7310851	1649611	Immunoglobulin heavy chain (gamma polypeptide)	Ighg	299354	1,36	up
5980573	7310851	1649612	Immunoglobulin heavy chain (gamma polypeptide)	Ighg	299354	1,09	down
6143395	7310851	1649609	Immunoglobulin heavy chain (gamma polypeptide)	Ighg	299354	1,08	down
6478795	7310851	1649610	Immunoglobulin heavy chain (gamma polypeptide)	Ighg	299354	1,08	up
6168951	7310851	1649608	Immunoglobulin heavy chain (gamma polypeptide) /// immunoglobulin heavy chain 1a (serum IgG2a	Ighg /// Igh-1a	299354 /// 299352	1,38	down
5835235	7310851	1649613	Immunoglobulin heavy chain (gamma polypeptide) /// immunoglobulin heavy chain 1a (serum IgG2a	Ighg /// Igh-1a	299354 /// 299352	1,08	down

5982509	7310851	1649625	immunoglobulin heavy chain 1a (serum IgG2a)	Igh-1a	299352	2,07	down
6306840	7310851	1649607	immunoglobulin heavy chain 1a (serum IgG2a)	Igh-1a	299352	1,64	up
6218092	7310851	1649604	immunoglobulin heavy chain 1a (serum IgG2a)	Igh-1a	299352	1,07	down
6183490	7310851	1649605	immunoglobulin heavy chain 1a (serum IgG2a)	Igh-1a	299352	1,05	down
6403192	7310851	1649606	immunoglobulin heavy chain 1a (serum IgG2a)	Igh-1a	299352	1,05	up
5972664	7310851	1649608	immunoglobulin heavy chain 1a (serum IgG2a)	Igh-1a	299352	1,01	down
6651256	7384127	1829623	immunoglobulin superfamily, member 1	Igsf1	302822	2,27	up
6562241	7384127	1829627	immunoglobulin superfamily, member 1	Igsf1	302822	1,62	up
5782451	7384127	1829626	immunoglobulin superfamily, member 1	Igsf1	302822	1,58	up
5728022	7384127	1829637	immunoglobulin superfamily, member 1	Igsf1	302822	1,48	down
6451918	7384127	1829634	immunoglobulin superfamily, member 1	Igsf1	302822	1,48	down
5856538	7384127	1829637	immunoglobulin superfamily, member 1	Igsf1	302822	1,46	down
5714535	7384127	1829639	immunoglobulin superfamily, member 1	Igsf1	302822	1,45	down
5670119	7384127	1829638	immunoglobulin superfamily, member 1	Igsf1	302822	1,43	down
6704433	7384127	1829630	immunoglobulin superfamily, member 1	Igsf1	302822	1,33	up
5685235	7384127	1829633	immunoglobulin superfamily, member 1	Igsf1	302822	1,31	down
5815698	7384127	1829628	immunoglobulin superfamily, member 1	Igsf1	302822	1,30	up
6312148	7384127	1829635	immunoglobulin superfamily, member 1	Igsf1	302822	1,21	down
5705542	7384127	1829636	immunoglobulin superfamily, member 1	Igsf1	302822	1,20	up
6269235	7384127	1829629	immunoglobulin superfamily, member 1	Igsf1	302822	1,19	up
5653796	7384127	1829639	immunoglobulin superfamily, member 1	Igsf1	302822	1,17	down
6267905	7384127	1829631	immunoglobulin superfamily, member 1	Igsf1	302822	1,16	up
6110422	7384127	1829632	immunoglobulin superfamily, member 1	Igsf1	302822	1,14	up
6691890	7384127	1829632	immunoglobulin superfamily, member 1	Igsf1	302822	1,14	down
6623212	7384127	1829620	immunoglobulin superfamily, member 1	Igsf1	302822	1,14	up
5926052	7384127	1829625	immunoglobulin superfamily, member 1	Igsf1	302822	1,07	down
6705760	7384127	1829622	immunoglobulin superfamily, member 1	Igsf1	302822	1,05	up
6547217	7384127	1829636	immunoglobulin superfamily, member 1	Igsf1	302822	1,04	down
6346071	7384127	1829640	immunoglobulin superfamily, member 1	Igsf1	302822	1,04	up
6429075	7384127	1829621	immunoglobulin superfamily, member 1	Igsf1	302822	1,03	down
6099488	7384127	1829624	immunoglobulin superfamily, member 1	Igsf1	302822	1,02	down
5942764	7384127	1829624	immunoglobulin superfamily, member 1	Igsf1	302822	1,02	up
6298965	7384127	1829636	immunoglobulin superfamily, member 1	Igsf1	302822	1,02	down
6093105	7107901	1146777	immunoglobulin superfamily, member 8	Igsf8	304979	5,15	down
5942068	7107901	1146779	immunoglobulin superfamily, member 8	Igsf8	304979	1,31	up
6726648	7107901	1146777	immunoglobulin superfamily, member 8	Igsf8	304979	1,29	down
6241378	7107901	1146779	immunoglobulin superfamily, member 8	Igsf8	304979	1,21	down
6423506	7107901	1146780	immunoglobulin superfamily, member 8	Igsf8	304979	1,19	down
6257900	7107901	1146778	immunoglobulin superfamily, member 8	Igsf8	304979	1,19	down
5742586	7107901	1146779	immunoglobulin superfamily, member 8	Igsf8	304979	1,16	down
6549597	7107901	1146781	immunoglobulin superfamily, member 8	Igsf8	304979	1,14	up
5853183	7107901	1146781	immunoglobulin superfamily, member 8	Igsf8	304979	1,09	up
5881747	7107901	1146782	immunoglobulin superfamily, member 8	Igsf8	304979	1,07	up
6420097	7107901	1146782	immunoglobulin superfamily, member 8	Igsf8	304979	1,06	down
6203503	7107901	1146783	immunoglobulin superfamily, member 8	Igsf8	304979	1,05	down
6467535	7107926	1146847	immunoglobulin superfamily, member 9	Igsf9	304982	3,02	down
6563890	7107926	1146849	immunoglobulin superfamily, member 9	Igsf9	304982	2,80	down
6062239	7107926	1146828	immunoglobulin superfamily, member 9	Igsf9	304982	1,67	down
5887547	7107926	1146848	immunoglobulin superfamily, member 9	Igsf9	304982	1,66	down
6442059	7107926	1146835	immunoglobulin superfamily, member 9	Igsf9	304982	1,59	down
6543024	7107926	1146826	immunoglobulin superfamily, member 9	Igsf9	304982	1,53	up
5856756	7107926	1146848	immunoglobulin superfamily, member 9	Igsf9	304982	1,50	up
6101940	7107926	1146848	immunoglobulin superfamily, member 9	Igsf9	304982	1,44	up
5932612	7107926	1146832	immunoglobulin superfamily, member 9	Igsf9	304982	1,38	down
6477925	7107926	1146844	immunoglobulin superfamily, member 9	Igsf9	304982	1,33	down
6526672	7107926	1146845	immunoglobulin superfamily, member 9	Igsf9	304982	1,33	down
6049389	7107926	1146831	immunoglobulin superfamily, member 9	Igsf9	304982	1,28	up

6703683	7107926	1146841	immunoglobulin superfamily, member 9	Igsf9	304982	1,26	up
5952971	7107926	1146852	immunoglobulin superfamily, member 9	Igsf9	304982	1,25	down
6651768	7107926	1146827	immunoglobulin superfamily, member 9	Igsf9	304982	1,25	down
5818250	7107926	1146846	immunoglobulin superfamily, member 9	Igsf9	304982	1,22	up
5839873	7107926	1146845	immunoglobulin superfamily, member 9	Igsf9	304982	1,22	down
6539944	7107926	1146827	immunoglobulin superfamily, member 9	Igsf9	304982	1,17	down
6410743	7107926	1146836	immunoglobulin superfamily, member 9	Igsf9	304982	1,16	down
5758470	7107926	1146834	immunoglobulin superfamily, member 9	Igsf9	304982	1,10	up
6615327	7107926	1146851	immunoglobulin superfamily, member 9	Igsf9	304982	1,10	up
6553557	7107926	1146843	immunoglobulin superfamily, member 9	Igsf9	304982	1,10	up
6039458	7107926	1146828	immunoglobulin superfamily, member 9	Igsf9	304982	1,09	down
6225666	7107926	1146845	immunoglobulin superfamily, member 9	Igsf9	304982	1,09	up
5892087	7107926	1146842	immunoglobulin superfamily, member 9	Igsf9	304982	1,08	up
6049094	7107926	1146833	immunoglobulin superfamily, member 9	Igsf9	304982	1,03	up
5718266	7107926	1146838	immunoglobulin superfamily, member 9	Igsf9	304982	1,02	up
6457330	7134773	1212966	immunoresponsive 1 homolog (mouse)	Irg1	306127	5,27	down
6700427	7134773	1212969	immunoresponsive 1 homolog (mouse)	Irg1	306127	2,15	up
5704934	7134773	1212971	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,53	up
6472315	7134773	1212972	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,35	up
5766432	7134773	1212970	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,32	up
6329446	7134773	1212971	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,23	up
6618291	7134773	1212968	immunoresponsive 1 homolog (mouse)	Irg1	306127	1,12	up
5991710	7138243	1221663	importin 4	Ipo4	290228	2,91	down
6631106	7138243	1221669	importin 4	Ipo4	290228	1,87	down
6329992	7138243	1221686	importin 4	Ipo4	290228	1,71	down
5872264	7138243	1221687	importin 4	Ipo4	290228	1,49	down
6496678	7138243	1221676	importin 4	Ipo4	290228	1,46	up
6328976	7138243	1221668	importin 4	Ipo4	290228	1,44	up
5907388	7138243	1221661	importin 4	Ipo4	290228	1,41	up
5639098	7138243	1221667	importin 4	Ipo4	290228	1,39	up
6705542	7138243	1221660	importin 4	Ipo4	290228	1,39	down
6544256	7138243	1221673	importin 4	Ipo4	290228	1,38	up
6734390	7138243	1221660	importin 4	Ipo4	290228	1,25	up
6563882	7138243	1221667	importin 4	Ipo4	290228	1,24	down
6497191	7138243	1221675	importin 4	Ipo4	290228	1,23	up
6550157	7138243	1221684	importin 4	Ipo4	290228	1,21	down
5842068	7138243	1221664	importin 4	Ipo4	290228	1,20	down
6430772	7138243	1221684	importin 4	Ipo4	290228	1,16	down
6578057	7138243	1221670	importin 4	Ipo4	290228	1,14	down
6320266	7138243	1221678	importin 4	Ipo4	290228	1,14	up
6079079	7138243	1221662	importin 4	Ipo4	290228	1,13	up
6024900	7138243	1221679	importin 4	Ipo4	290228	1,12	up
6484799	7138243	1221671	importin 4	Ipo4	290228	1,12	up
6169245	7138243	1221681	importin 4	Ipo4	290228	1,11	up
5778836	7138243	1221664	importin 4	Ipo4	290228	1,11	down
6360407	7138243	1221663	importin 4	Ipo4	290228	1,09	up
6308819	7138243	1221682	importin 4	Ipo4	290228	1,09	up
6108917	7138243	1221685	importin 4	Ipo4	290228	1,09	up
6534586	7138243	1221666	importin 4	Ipo4	290228	1,07	down
5701391	7138243	1221680	importin 4	Ipo4	290228	1,06	down
5870217	7138243	1221674	importin 4	Ipo4	290228	1,06	up
6049451	7138243	1221665	importin 4	Ipo4	290228	1,04	down
6344446	7138243	1221683	importin 4	Ipo4	290228	1,03	down
5677695	7138243	1221672	importin 4	Ipo4	290228	1,02	up
6298401	7138243	1221687	importin 4	Ipo4	290228	1,01	down
6466360	7146975	1243262	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	6,64	down
5877868	7146975	1243268	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	2,64	up

6689139	7146975	1243262	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	2,15	down
6399413	7146975	1243267	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	2,05	up
6257329	7146975	1243264	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,76	down
6388956	7146975	1243266	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,74	up
6499144	7146975	1243269	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,56	up
6412126	7146975	1243269	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,39	down
6005325	7146975	1243265	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,12	up
6509872	7146975	1243263	indoleamine-pyrrole 2,3 dioxygenase	Indo	66029	1,03	down
6692536	7146982	1243293	indoleamine-pyrrole 2,3 dioxygenase-like 1	Indo11	681319	3,56	up
6410617	7286561	1588371	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	2,64	down
6556242	7286561	1588344	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	2,02	down
6502701	7286561	1588370	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,76	down
6624928	7286561	1588357	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,62	up
5950591	7286561	1588341	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,49	down
6201009	7286561	1588361	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,46	up
6257397	7286561	1588364	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,46	up
6008977	7286561	1588350	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,36	up
6499565	7286561	1588368	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,35	up
5627609	7286561	1588342	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,29	down
6159283	7286561	1588343	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,26	down
5693910	7286561	1588373	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,26	up
6102123	7286561	1588374	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,26	up
6069031	7286561	1588372	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,25	up
5838492	7286561	1588349	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,24	down
6649394	7286561	1588371	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,24	down
5842454	7286561	1588355	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,23	up
6512316	7286561	1588345	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,18	down
6186063	7286561	1588358	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,18	down
6630304	7286561	1588365	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,17	up
6173117	7286561	1588367	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,16	up
6690888	7286561	1588369	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,15	up
6403393	7286561	1588347	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,14	down
6415922	7286561	1588354	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,11	up
6202876	7286561	1588351	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,11	down
6067882	7286561	1588360	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,11	up
5843920	7286561	1588352	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,10	down
6218519	7286561	1588375	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,09	up
5630535	7286561	1588346	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,08	up
5748334	7286561	1588352	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,08	down
5820905	7286561	1588356	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,07	up
5834918	7286561	1588369	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,07	down
5820689	7286561	1588359	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,06	up
6098418	7286561	1588370	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,04	down
6544177	7286561	1588366	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,03	down
6587556	7286561	1588353	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,02	down
6449223	7286561	1588376	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,01	down
5820589	7286561	1588348	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,00	up
6074461	7286561	1588362	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,00	up
5834961	7286561	1588363	inhibitor of kappa light polypeptide enhancer in B-cells, kinase complex-associated protein	Ikbkap	140934	1,00	down
6229832	7266530	1538287	INO80 complex subunit B	Ino80b	500225	2,38	up
6519217	7266530	1538288	INO80 complex subunit B	Ino80b	500225	1,51	up
6713103	7266530	1538285	INO80 complex subunit B	Ino80b	500225	1,41	up
6359330	7266530	1538285	INO80 complex subunit B	Ino80b	500225	1,19	down
5898475	7266530	1538285	INO80 complex subunit B	Ino80b	500225	1,08	up
5989897	7266530	1538286	INO80 complex subunit B	Ino80b	500225	1,06	down
6640128	7257111	1515540	inositol 1,4,5-triphosphate receptor, type 1	Itrp1	25262	2,18	down
5977239	7257111	1515511	inositol 1,4,5-triphosphate receptor, type 1	Itrp1	25262	2,08	up

5849054	7257111	1515516	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,96	up
5721609	7257111	1515490	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,74	down
6307582	7257111	1515488	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,70	up
6302882	7257111	1515487	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,60	down
5621761	7257111	1515522	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,58	up
5922338	7257111	1515545	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,58	down
6446710	7257111	1515524	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,56	up
6355736	7257111	1515492	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,49	down
5901853	7257111	1515526	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,42	up
6177602	7257111	1515546	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,40	down
5669637	7257111	1515532	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,39	down
5854545	7257111	1515507	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,38	up
6320808	7257111	1515510	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,38	down
5674601	7257111	1515527	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,36	up
5773911	7257111	1515509	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,36	up
5926800	7257111	1515491	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,35	down
6578976	7257111	1515541	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,34	down
6349109	7257111	1515505	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,34	up
6103316	7257111	1515499	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,33	down
5715918	7257111	1515533	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,33	up
6699950	7257111	1515489	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,32	down
6529672	7257111	1515534	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,32	up
6245599	7257111	1515519	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,27	up
6702570	7257111	1515503	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,26	up
6597522	7257111	1515544	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,25	up
5674985	7257111	1515534	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,21	down
6143805	7257111	1515536	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	up
6457839	7257111	1515531	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	down
5754535	7257111	1515523	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	up
5831482	7257111	1515510	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	up
5635653	7257111	1515497	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,20	up
6479290	7257111	1515538	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,19	down
6454192	7257111	1515518	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,18	down
5790799	7257111	1515535	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,17	up
6103199	7257111	1515547	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,16	down
6741995	7257111	1515517	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,16	down
6045014	7257111	1515520	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,15	down
6356471	7257111	1515542	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,14	down
6329852	7257111	1515512	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,14	up
5622746	7257111	1515524	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,14	up
5927635	7257111	1515548	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,14	up
5698991	7257111	1515530	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,13	up
6094254	7257111	1515501	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,13	up
6451332	7257111	1515528	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,13	down
6715032	7257111	1515508	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,12	up
5797315	7257111	1515506	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,12	up
6271541	7257111	1515498	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,12	up
6263737	7257111	1515502	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,10	down
6654695	7257111	1515514	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,10	up
6664457	7257111	1515493	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,10	down
6352721	7257111	1515538	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,09	up
6669912	7257111	1515537	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,09	down
6384137	7257111	1515543	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,08	up
6735410	7257111	1515525	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,08	up
6613603	7257111	1515515	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,07	up
6198081	7257111	1515500	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,07	down
6074957	7257111	1515529	inositol 1,4,5-triphosphate receptor, type 1	Itpr1	25262	1,07	up

6654084	7257111	1515496	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,05	up
6368535	7257111	1515504	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,05	up
6606770	7257111	1515513	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,03	down
5752521	7257111	1515495	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,03	up
6220629	7257111	1515494	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,02	down
6391607	7257111	1515521	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,01	up
6268596	7257111	1515539	inositol 1,4,5-triphosphate receptor, type 1	Itp1	25262	1,01	down
5835498	7231634	1451783	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	2,29	down
6023477	7231634	1451789	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,41	up
6188750	7231634	1451783	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,34	down
6621726	7231634	1451783	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,15	up
6289443	7231634	1451783	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,11	down
6056674	7231634	1451784	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,10	down
5911969	7231634	1451790	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,10	down
6187043	7231634	1451785	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,08	up
6071788	7231634	1451787	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,07	up
6511500	7231634	1451783	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,05	up
6587307	7231634	1451788	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,02	up
5734699	7231634	1451786	inositol 1,4,5-trisphosphate 3-kinase A	Itpka	81677	1,01	up
6698091	7354261	1755402	inositol polyphosphate-1-phosphatase	Inpp1	316376	2,89	down
6008342	7354261	1755402	inositol polyphosphate-1-phosphatase	Inpp1	316376	2,12	down
5793625	7354261	1755404	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,46	up
5849404	7354261	1755406	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,26	up
6198266	7354261	1755406	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,19	up
6645567	7354261	1755407	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,15	up
5623589	7354261	1755406	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,14	up
6263578	7354261	1755405	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,06	down
6075331	7354261	1755403	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,06	up
6354904	7354261	1755402	inositol polyphosphate-1-phosphatase	Inpp1	316376	1,04	up
6412632	7260283	1523366	insulin induced gene 1	Insig1	64194	2,72	down
6009826	7260283	1523365	insulin induced gene 1	Insig1	64194	1,18	up
6277783	7260283	1523361	insulin induced gene 1	Insig1	64194	1,13	up
6442695	7260283	1523363	insulin induced gene 1	Insig1	64194	1,11	down
6372133	7260283	1523366	insulin induced gene 1	Insig1	64194	1,10	down
5651919	7260283	1523364	insulin induced gene 1	Insig1	64194	1,08	up
6177603	7260283	1523365	insulin induced gene 1	Insig1	64194	1,06	down
6585131	7260283	1523362	insulin induced gene 1	Insig1	64194	1,06	down
5858661	7260283	1523366	insulin induced gene 1	Insig1	64194	1,02	down
5735580	7233442	1456945	insulinoma-associated 1	Insm1	366210	2,57	up
6411303	7233442	1456944	insulinoma-associated 1	Insm1	366210	1,21	up
6641526	7233442	1456944	insulinoma-associated 1	Insm1	366210	1,11	down
5664531	7233442	1456948	insulinoma-associated 1	Insm1	366210	1,06	up
5762716	7233442	1456944	insulinoma-associated 1	Insm1	366210	1,06	down
6350461	7233442	1456948	insulinoma-associated 1	Insm1	366210	1,05	up
5947160	7233442	1456944	insulinoma-associated 1	Insm1	366210	1,05	up
5841307	7233442	1456947	insulinoma-associated 1	Insm1	366210	1,02	down
6718553	7233442	1456944	insulinoma-associated 1	Insm1	366210	1,02	down
6652514	7233442	1456948	insulinoma-associated 1	Insm1	366210	1,01	down
6718482	7382937	1827141	integral membrane protein 2A	Itm2a	317218	2,10	down
5740889	7382937	1827142	integral membrane protein 2A	Itm2a	317218	1,83	down
6210132	7382937	1827138	integral membrane protein 2A	Itm2a	317218	1,53	up
6378536	7382937	1827138	integral membrane protein 2A	Itm2a	317218	1,40	down
6290927	7382937	1827143	integral membrane protein 2A	Itm2a	317218	1,37	up
6123161	7382937	1827139	integral membrane protein 2A	Itm2a	317218	1,21	up
6343369	7382937	1827140	integral membrane protein 2A	Itm2a	317218	1,13	down
6345950	7382937	1827143	integral membrane protein 2A	Itm2a	317218	1,05	up
5991649	7199369	1374231	integrator complex subunit 12	Ints12	295448	2,27	up

6333349	7199369	1374228	integrator complex subunit 12	Ints12	295448	2,07	down
6468051	7199369	1374227	integrator complex subunit 12	Ints12	295448	1,74	up
6616503	7199369	1374229	integrator complex subunit 12	Ints12	295448	1,63	down
6712444	7199369	1374232	integrator complex subunit 12	Ints12	295448	1,49	down
6463379	7199369	1374230	integrator complex subunit 12	Ints12	295448	1,05	up
6424729	7199369	1374232	integrator complex subunit 12	Ints12	295448	1,02	down
6652106	7139026	1223512	integrator complex subunit 6	Ints6	361057	1,74	down
5943286	7139026	1223520	integrator complex subunit 6	Ints6	361057	1,61	up
6053785	7139026	1223510	integrator complex subunit 6	Ints6	361057	1,37	down
6292591	7139026	1223516	integrator complex subunit 6	Ints6	361057	1,23	down
6098652	7139026	1223509	integrator complex subunit 6	Ints6	361057	1,20	up
6161750	7139026	1223517	integrator complex subunit 6	Ints6	361057	1,18	up
6264397	7139026	1223513	integrator complex subunit 6	Ints6	361057	1,15	down
5789129	7139026	1223514	integrator complex subunit 6	Ints6	361057	1,08	down
6418461	7139026	1223514	integrator complex subunit 6	Ints6	361057	1,01	up
6329945	7139026	1223514	integrator complex subunit 6	Ints6	361057	1,01	up
5748215	7311937	1652001	integrin alpha 7	Itga7	81008	2,61	up
6091867	7311937	1652007	integrin alpha 7	Itga7	81008	1,98	down
6562415	7311937	1651990	integrin alpha 7	Itga7	81008	1,89	up
6057013	7311937	1651991	integrin alpha 7	Itga7	81008	1,69	up
5972950	7311937	1652010	integrin alpha 7	Itga7	81008	1,62	up
6466763	7311937	1651999	integrin alpha 7	Itga7	81008	1,48	down
6213788	7311937	1651997	integrin alpha 7	Itga7	81008	1,46	up
5875492	7311937	1652008	integrin alpha 7	Itga7	81008	1,43	up
6248388	7311937	1651985	integrin alpha 7	Itga7	81008	1,38	down
6314880	7311937	1652011	integrin alpha 7	Itga7	81008	1,36	down
5778960	7311937	1651996	integrin alpha 7	Itga7	81008	1,32	down
5943041	7311937	1652010	integrin alpha 7	Itga7	81008	1,26	down
5771722	7311937	1651994	integrin alpha 7	Itga7	81008	1,25	up
5936914	7311937	1651986	integrin alpha 7	Itga7	81008	1,24	up
6583449	7311937	1651988	integrin alpha 7	Itga7	81008	1,20	up
6650702	7311937	1652002	integrin alpha 7	Itga7	81008	1,17	up
6526730	7311937	1652003	integrin alpha 7	Itga7	81008	1,16	up
6348855	7311937	1651987	integrin alpha 7	Itga7	81008	1,16	down
5899743	7311937	1652005	integrin alpha 7	Itga7	81008	1,15	up
6599599	7311937	1651989	integrin alpha 7	Itga7	81008	1,12	up
6134559	7311937	1651998	integrin alpha 7	Itga7	81008	1,10	up
6602034	7311937	1651993	integrin alpha 7	Itga7	81008	1,09	up
5705979	7311937	1651995	integrin alpha 7	Itga7	81008	1,08	down
6027122	7311937	1651985	integrin alpha 7	Itga7	81008	1,05	up
6642392	7311937	1652000	integrin alpha 7	Itga7	81008	1,05	down
5877289	7311937	1651992	integrin alpha 7	Itga7	81008	1,04	up
6592260	7311937	1652009	integrin alpha 7	Itga7	81008	1,04	up
5767798	7311937	1652011	integrin alpha 7	Itga7	81008	1,03	down
6230037	7311937	1652004	integrin alpha 7	Itga7	81008	1,03	down
6503812	7311937	1652006	integrin alpha 7	Itga7	81008	1,02	down
6697990	7269918	1546938	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,41	down
6585511	7269918	1546935	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,37	up
6050733	7269918	1546948	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,34	up
6131825	7269918	1546939	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,34	down
5681201	7269918	1546944	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,34	up
5802561	7269918	1546936	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,29	up
6277323	7269918	1546946	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,28	down
6217430	7269918	1546941	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,22	down
6470525	7269918	1546942	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,19	down
6201484	7269918	1546945	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,19	up
6607828	7269918	1546936	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,17	down

6196295	7269918	1546947	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,15	down
6128250	7269918	1546937	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,15	up
6345319	7269918	1546940	integrin alpha FG-GAP repeat containing 2	Itfg2	362441	1,05	down
5675560	7073691	1065223	integrin beta 4	Itgb4	25724	2,21	down
6149365	7073691	1065239	integrin beta 4	Itgb4	25724	2,20	down
5860928	7073691	1065245	integrin beta 4	Itgb4	25724	2,04	up
6717352	7073691	1065254	integrin beta 4	Itgb4	25724	1,96	down
6548262	7073691	1065240	integrin beta 4	Itgb4	25724	1,55	up
6325278	7073691	1065218	integrin beta 4	Itgb4	25724	1,49	down
6507561	7073691	1065219	integrin beta 4	Itgb4	25724	1,41	down
6604280	7073691	1065249	integrin beta 4	Itgb4	25724	1,37	down
5661534	7073691	1065230	integrin beta 4	Itgb4	25724	1,33	up
6263599	7073691	1065228	integrin beta 4	Itgb4	25724	1,31	up
6159076	7073691	1065241	integrin beta 4	Itgb4	25724	1,31	up
6005867	7073691	1065248	integrin beta 4	Itgb4	25724	1,31	up
6041836	7073691	1065224	integrin beta 4	Itgb4	25724	1,30	down
6612976	7073691	1065233	integrin beta 4	Itgb4	25724	1,28	up
6017012	7073691	1065222	integrin beta 4	Itgb4	25724	1,22	up
6257764	7073691	1065244	integrin beta 4	Itgb4	25724	1,22	down
6284505	7073691	1065251	integrin beta 4	Itgb4	25724	1,19	down
6154943	7073691	1065231	integrin beta 4	Itgb4	25724	1,18	down
5869597	7073691	1065234	integrin beta 4	Itgb4	25724	1,18	up
6593975	7073691	1065232	integrin beta 4	Itgb4	25724	1,15	down
6318739	7073691	1065229	integrin beta 4	Itgb4	25724	1,15	up
6198100	7073691	1065226	integrin beta 4	Itgb4	25724	1,14	up
6665402	7073691	1065221	integrin beta 4	Itgb4	25724	1,14	down
6674058	7073691	1065237	integrin beta 4	Itgb4	25724	1,12	up
5808148	7073691	1065253	integrin beta 4	Itgb4	25724	1,12	up
6681998	7073691	1065220	integrin beta 4	Itgb4	25724	1,10	up
5704564	7073691	1065246	integrin beta 4	Itgb4	25724	1,10	up
6503457	7073691	1065238	integrin beta 4	Itgb4	25724	1,08	up
6051643	7073691	1065217	integrin beta 4	Itgb4	25724	1,07	down
6511677	7073691	1065250	integrin beta 4	Itgb4	25724	1,07	down
6398383	7073691	1065243	integrin beta 4	Itgb4	25724	1,07	down
6614126	7073691	1065235	integrin beta 4	Itgb4	25724	1,06	up
5981083	7073691	1065227	integrin beta 4	Itgb4	25724	1,05	down
5833131	7073691	1065236	integrin beta 4	Itgb4	25724	1,05	up
6089132	7073691	1065225	integrin beta 4	Itgb4	25724	1,04	up
5631726	7073691	1065242	integrin beta 4	Itgb4	25724	1,03	up
5788922	7073691	1065255	integrin beta 4	Itgb4	25724	1,02	up
5650295	7073691	1065247	integrin beta 4	Itgb4	25724	1,01	up
5956303	7073691	1065252	integrin beta 4	Itgb4	25724	1,00	down
6235600	7311391	1650852	integrin beta 8	Itgb8	362800	2,19	down
5676830	7311391	1650863	integrin beta 8	Itgb8	362800	1,75	up
6208884	7311391	1650855	integrin beta 8	Itgb8	362800	1,34	down
6401882	7311391	1650851	integrin beta 8	Itgb8	362800	1,31	down
6105177	7311391	1650858	integrin beta 8	Itgb8	362800	1,23	down
5725621	7311391	1650863	integrin beta 8	Itgb8	362800	1,17	down
6623207	7311391	1650854	integrin beta 8	Itgb8	362800	1,16	down
5808857	7311391	1650872	integrin beta 8	Itgb8	362800	1,15	down
6016509	7311391	1650861	integrin beta 8	Itgb8	362800	1,14	up
6483818	7311391	1650872	integrin beta 8	Itgb8	362800	1,13	up
5968451	7311391	1650862	integrin beta 8	Itgb8	362800	1,08	down
6148154	7311391	1650872	integrin beta 8	Itgb8	362800	1,07	up
6744618	7311391	1650860	integrin beta 8	Itgb8	362800	1,06	down
5631819	7311391	1650853	integrin beta 8	Itgb8	362800	1,00	up
6577478	7311391	1650859	integrin beta 8	Itgb8	362800	1,00	down

6426718	7197138	1368011	integrin, alpha 10	Itga10	310683	2,22	down
6602126	7197138	1368000	integrin, alpha 10	Itga10	310683	2,14	up
6573301	7197138	1368005	integrin, alpha 10	Itga10	310683	1,56	up
6511200	7197138	1368008	integrin, alpha 10	Itga10	310683	1,34	up
6374786	7197138	1368009	integrin, alpha 10	Itga10	310683	1,29	up
5929462	7197138	1368012	integrin, alpha 10	Itga10	310683	1,21	up
6270405	7197138	1368007	integrin, alpha 10	Itga10	310683	1,20	up
6291149	7197138	1368002	integrin, alpha 10	Itga10	310683	1,15	down
5663797	7197138	1368003	integrin, alpha 10	Itga10	310683	1,15	up
5724439	7197138	1368006	integrin, alpha 10	Itga10	310683	1,10	down
5750520	7197138	1368004	integrin, alpha 10	Itga10	310683	1,10	down
6141677	7197138	1368004	integrin, alpha 10	Itga10	310683	1,08	up
6528288	7197138	1368010	integrin, alpha 10	Itga10	310683	1,08	down
6696335	7197138	1368005	integrin, alpha 10	Itga10	310683	1,05	down
6688929	7197138	1368001	integrin, alpha 10	Itga10	310683	1,02	down
5903480	7197138	1368010	integrin, alpha 10	Itga10	310683	1,01	up
6528381	7037222	978520	integrin, alpha D	Itgad	64350	3,18	down
6170425	7037222	978546	integrin, alpha D	Itgad	64350	2,29	up
6039750	7037222	978527	integrin, alpha D	Itgad	64350	1,83	down
5751049	7037222	978537	integrin, alpha D	Itgad	64350	1,75	down
5695765	7037222	978532	integrin, alpha D	Itgad	64350	1,68	down
6363552	7037222	978521	integrin, alpha D	Itgad	64350	1,52	up
5777765	7037222	978534	integrin, alpha D	Itgad	64350	1,46	up
5684714	7037222	978533	integrin, alpha D	Itgad	64350	1,40	up
6307956	7037222	978523	integrin, alpha D	Itgad	64350	1,39	up
5735515	7037222	978544	integrin, alpha D	Itgad	64350	1,32	up
6370353	7037222	978542	integrin, alpha D	Itgad	64350	1,32	down
6704474	7037222	978540	integrin, alpha D	Itgad	64350	1,30	down
6464717	7037222	978532	integrin, alpha D	Itgad	64350	1,29	down
6613639	7037222	978525	integrin, alpha D	Itgad	64350	1,23	up
6563830	7037222	978548	integrin, alpha D	Itgad	64350	1,20	up
6527680	7037222	978549	integrin, alpha D	Itgad	64350	1,20	down
6024871	7037222	978526	integrin, alpha D	Itgad	64350	1,18	up
6301618	7037222	978522	integrin, alpha D	Itgad	64350	1,16	up
6310172	7037222	978536	integrin, alpha D	Itgad	64350	1,16	down
6716130	7037222	978530	integrin, alpha D	Itgad	64350	1,15	down
6428995	7037222	978527	integrin, alpha D	Itgad	64350	1,13	up
5649822	7037222	978528	integrin, alpha D	Itgad	64350	1,13	down
5780617	7037222	978541	integrin, alpha D	Itgad	64350	1,13	down
6545740	7037222	978524	integrin, alpha D	Itgad	64350	1,11	up
5820243	7037222	978545	integrin, alpha D	Itgad	64350	1,08	down
6630265	7037222	978539	integrin, alpha D	Itgad	64350	1,08	up
6244156	7037222	978549	integrin, alpha D	Itgad	64350	1,06	up
6294261	7037222	978538	integrin, alpha D	Itgad	64350	1,06	up
6401503	7037222	978529	integrin, alpha D	Itgad	64350	1,05	up
6726194	7037222	978535	integrin, alpha D	Itgad	64350	1,03	up
6354443	7037222	978547	integrin, alpha D	Itgad	64350	1,03	down
6168056	7037222	978543	integrin, alpha D	Itgad	64350	1,03	down
6125734	7037222	978531	integrin, alpha D	Itgad	64350	1,02	up
6677843	7037222	978527	integrin, alpha D	Itgad	64350	1,02	up
6487494	7037222	978537	integrin, alpha D	Itgad	64350	1,00	down
6433583	7239369	1472205	integrin, beta 6	Itgb6	311061	2,89	down
6140412	7239369	1472217	integrin, beta 6	Itgb6	311061	1,49	down
6106032	7239369	1472209	integrin, beta 6	Itgb6	311061	1,39	up
6373149	7239369	1472207	integrin, beta 6	Itgb6	311061	1,35	down
6078712	7239369	1472209	integrin, beta 6	Itgb6	311061	1,34	up
6167055	7239369	1472208	integrin, beta 6	Itgb6	311061	1,26	up

6702902	7239369	1472218	integrin, beta 6	Itgb6	311061	1,24	up
6671338	7239369	1472219	integrin, beta 6	Itgb6	311061	1,19	up
6000214	7239369	1472210	integrin, beta 6	Itgb6	311061	1,14	down
6179662	7239369	1472217	integrin, beta 6	Itgb6	311061	1,14	down
6464030	7239369	1472211	integrin, beta 6	Itgb6	311061	1,11	down
5769483	7239369	1472213	integrin, beta 6	Itgb6	311061	1,10	down
5729425	7239369	1472214	integrin, beta 6	Itgb6	311061	1,06	down
5908590	7239369	1472212	integrin, beta 6	Itgb6	311061	1,02	up
6645708	7239369	1472216	integrin, beta 6	Itgb6	311061	1,02	up
5765638	7239369	1472215	integrin, beta 6	Itgb6	311061	1,02	down
6195577	7239369	1472206	integrin, beta 6	Itgb6	311061	1,01	up
6146668	7045955	1000749	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	5,49	up
6491124	7045955	1000737	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	5,15	down
6321260	7045955	1000754	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	4,84	down
6504211	7045955	1000754	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	4,80	down
6066641	7045955	1000740	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	3,92	up
5810668	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,96	up
6194989	7045955	1000748	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,92	up
6011612	7045955	1000737	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,84	up
5903140	7045955	1000747	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,75	up
5886652	7045955	1000740	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,42	up
5908286	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,19	down
6604684	7045955	1000752	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	2,10	down
6613630	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	1,46	up
5983216	7045955	1000745	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	1,38	up
6269323	7045955	1000736	interactor protein for cytohesin exchange factors 1	Ipcef1	361474	1,38	up
6064524	7333460	1703632	intercellular adhesion molecule 1	Icam1	25464	5,83	up
6663738	7333460	1703624	intercellular adhesion molecule 1	Icam1	25464	4,75	down
6472158	7333460	1703625	intercellular adhesion molecule 1	Icam1	25464	1,79	down
6105288	7333460	1703631	intercellular adhesion molecule 1	Icam1	25464	1,41	down
6137107	7333460	1703626	intercellular adhesion molecule 1	Icam1	25464	1,40	up
5640225	7333460	1703633	intercellular adhesion molecule 1	Icam1	25464	1,32	down
6465284	7333460	1703630	intercellular adhesion molecule 1	Icam1	25464	1,19	up
5757177	7333460	1703627	intercellular adhesion molecule 1	Icam1	25464	1,18	up
5837747	7333460	1703628	intercellular adhesion molecule 1	Icam1	25464	1,07	down
5646659	7333460	1703629	intercellular adhesion molecule 1	Icam1	25464	1,06	down
6530440	7333460	1703626	intercellular adhesion molecule 1	Icam1	25464	1,03	down
6244516	7067089	1048924	interferon gamma inducible protein 47	Ifi47	246208	4,53	down
5790369	7067089	1048925	interferon gamma inducible protein 47	Ifi47	246208	1,56	up
5975949	7067089	1048926	interferon gamma inducible protein 47	Ifi47	246208	1,18	up
6681560	7067089	1048925	interferon gamma inducible protein 47	Ifi47	246208	1,17	up
5966964	7067089	1048925	interferon gamma inducible protein 47	Ifi47	246208	1,05	down
6117081	7252058	1502548	interferon regulatory factor 5	Irf5	296953	2,36	up
6194436	7252058	1502550	interferon regulatory factor 5	Irf5	296953	1,71	up
6563077	7252058	1502553	interferon regulatory factor 5	Irf5	296953	1,64	up
5705712	7252058	1502549	interferon regulatory factor 5	Irf5	296953	1,59	down
6551031	7252058	1502549	interferon regulatory factor 5	Irf5	296953	1,57	down
6396370	7252058	1502542	interferon regulatory factor 5	Irf5	296953	1,45	down
6572819	7252058	1502546	interferon regulatory factor 5	Irf5	296953	1,42	up
6544721	7252058	1502551	interferon regulatory factor 5	Irf5	296953	1,40	up
5699698	7252058	1502547	interferon regulatory factor 5	Irf5	296953	1,30	down
6674607	7252058	1502545	interferon regulatory factor 5	Irf5	296953	1,14	down
6540116	7252058	1502552	interferon regulatory factor 5	Irf5	296953	1,12	up
6228446	7252058	1502549	interferon regulatory factor 5	Irf5	296953	1,09	down
6664708	7195998	1365553	interferon stimulated exonuclease gene 20-like 2	Isg20l2	361977	2,00	up
6672054	7195998	1365552	interferon stimulated exonuclease gene 20-like 2	Isg20l2	361977	1,24	down
6123258	7195998	1365551	interferon stimulated exonuclease gene 20-like 2	Isg20l2	361977	1,09	up

6470164	7195998	1365551	interferon stimulated exonuclease gene 20-like 2	Isg20l2	361977	1,01	down
5653623	7293880	1605898	interferon, alpha-inducible protein (clone IFI-15K)	G1p2	298693	2,72	down
6665757	7293880	1605898	interferon, alpha-inducible protein (clone IFI-15K)	G1p2	298693	2,55	up
5849956	7293880	1605899	interferon, alpha-inducible protein (clone IFI-15K)	G1p2	298693	1,01	up
6740143	7215722	1412260	interferon-induced protein 44	Ifi44	310969	2,84	down
5868049	7215722	1412263	interferon-induced protein 44	Ifi44	310969	2,62	up
6468757	7215722	1412270	interferon-induced protein 44	Ifi44	310969	2,48	down
6731623	7215722	1412269	interferon-induced protein 44	Ifi44	310969	2,32	up
5864289	7215722	1412269	interferon-induced protein 44	Ifi44	310969	2,20	up
6184026	7215722	1412268	interferon-induced protein 44	Ifi44	310969	1,77	up
6097166	7215722	1412270	interferon-induced protein 44	Ifi44	310969	1,66	down
5963580	7215722	1412260	interferon-induced protein 44	Ifi44	310969	1,58	down
5747588	7215722	1412269	interferon-induced protein 44	Ifi44	310969	1,56	up
5842249	7215722	1412264	interferon-induced protein 44	Ifi44	310969	1,39	up
5679435	7215722	1412260	interferon-induced protein 44	Ifi44	310969	1,30	down
6377285	7215722	1412269	interferon-induced protein 44	Ifi44	310969	1,25	up
6545369	7215722	1412260	interferon-induced protein 44	Ifi44	310969	1,17	up
6234758	7215722	1412267	interferon-induced protein 44	Ifi44	310969	1,12	down
6586895	7215722	1412262	interferon-induced protein 44	Ifi44	310969	1,06	up
6513850	7215722	1412261	interferon-induced protein 44	Ifi44	310969	1,05	down
5967365	7041465	989112	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	2,06	up
6336777	7041465	989111	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	1,52	down
5856184	7041465	989111	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	1,34	down
6323553	7041465	989112	interferon-induced protein with tetratricopeptide repeats 2	Ifit2	294091	1,01	down
6708341	7225120	1434941	interleukin 1 receptor antagonist	Il1rn	60582	2,00	down
6430755	7225120	1434943	interleukin 1 receptor antagonist	Il1rn	60582	1,56	up
6068845	7225120	1434944	interleukin 1 receptor antagonist	Il1rn	60582	1,43	up
5926980	7225120	1434944	interleukin 1 receptor antagonist	Il1rn	60582	1,35	up
5802796	7225120	1434942	interleukin 1 receptor antagonist	Il1rn	60582	1,33	down
6339254	7225120	1434941	interleukin 1 receptor antagonist	Il1rn	60582	1,14	up
6635308	7066739	1047992	interleukin 12b	Il12b	64546	2,97	up
5823615	7066739	1047994	interleukin 12b	Il12b	64546	1,55	down
5654353	7066739	1047991	interleukin 12b	Il12b	64546	1,49	down
6624591	7066739	1047993	interleukin 12b	Il12b	64546	1,22	down
6505784	7066739	1047995	interleukin 12b	Il12b	64546	1,19	up
6714978	7066739	1047990	interleukin 12b	Il12b	64546	1,00	up
6608886	7180064	1325054	interleukin 15	Il15	25670	3,40	down
6619104	7180064	1325045	interleukin 15	Il15	25670	3,12	down
5648320	7180064	1325051	interleukin 15	Il15	25670	2,54	down
6745272	7180064	1325049	interleukin 15	Il15	25670	1,59	up
5858117	7180064	1325053	interleukin 15	Il15	25670	1,56	down
6252968	7180064	1325047	interleukin 15	Il15	25670	1,52	down
6346734	7180064	1325050	interleukin 15	Il15	25670	1,52	up
6214446	7180064	1325050	interleukin 15	Il15	25670	1,42	up
5856391	7180064	1325052	interleukin 15	Il15	25670	1,16	up
6170178	7180064	1325048	interleukin 15	Il15	25670	1,11	up
6373298	7180064	1325046	interleukin 15	Il15	25670	1,09	up
5877860	7180064	1325052	interleukin 15	Il15	25670	1,06	down
5857595	7257976	1517704	interleukin 17 receptor A	Il17ra	312679	1,79	up
5984304	7257976	1517697	interleukin 17 receptor A	Il17ra	312679	1,79	down
6344930	7257976	1517707	interleukin 17 receptor A	Il17ra	312679	1,50	up
6373251	7257976	1517710	interleukin 17 receptor A	Il17ra	312679	1,43	up
6538807	7257976	1517698	interleukin 17 receptor A	Il17ra	312679	1,41	up
6183635	7257976	1517709	interleukin 17 receptor A	Il17ra	312679	1,35	up
6323077	7257976	1517701	interleukin 17 receptor A	Il17ra	312679	1,31	up
6576094	7257976	1517702	interleukin 17 receptor A	Il17ra	312679	1,24	up
6122011	7257976	1517700	interleukin 17 receptor A	Il17ra	312679	1,15	up

6674997	7257976	1517699	interleukin 17 receptor A	Il17ra	312679	1,13	up
6252032	7257976	1517703	interleukin 17 receptor A	Il17ra	312679	1,10	up
6274953	7257976	1517708	interleukin 17 receptor A	Il17ra	312679	1,09	up
5783347	7257404	1516178	interleukin 17 receptor E	Il17re	362417	2,86	down
6140258	7257404	1516169	interleukin 17 receptor E	Il17re	362417	1,92	up
6162434	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,36	down
6508470	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,32	up
5845755	7257404	1516167	interleukin 17 receptor E	Il17re	362417	1,30	down
6422950	7257404	1516177	interleukin 17 receptor E	Il17re	362417	1,28	down
6260339	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,19	up
6100662	7257404	1516171	interleukin 17 receptor E	Il17re	362417	1,19	up
6256895	7257404	1516168	interleukin 17 receptor E	Il17re	362417	1,16	up
5971661	7257404	1516173	interleukin 17 receptor E	Il17re	362417	1,15	up
6003327	7257404	1516170	interleukin 17 receptor E	Il17re	362417	1,14	up
6188851	7257404	1516167	interleukin 17 receptor E	Il17re	362417	1,12	up
6314030	7257404	1516167	interleukin 17 receptor E	Il17re	362417	1,09	down
6511776	7257404	1516175	interleukin 17 receptor E	Il17re	362417	1,08	up
6718656	7257404	1516176	interleukin 17 receptor E	Il17re	362417	1,07	down
5874328	7257404	1516174	interleukin 17 receptor E	Il17re	362417	1,07	down
6516065	7257404	1516172	interleukin 17 receptor E	Il17re	362417	1,06	down
5862082	7257404	1516166	interleukin 17 receptor E	Il17re	362417	1,05	up
5847859	7257404	1516178	interleukin 17 receptor E	Il17re	362417	1,05	up
5728665	7257404	1516165	interleukin 17 receptor E	Il17re	362417	1,01	down
5775261	7055111	1020954	interleukin 18 binding protein	Il18bp	84388	4,79	down
6703233	7055111	1020958	interleukin 18 binding protein	Il18bp	84388	2,45	down
5996430	7055111	1020955	interleukin 18 binding protein	Il18bp	84388	1,58	up
6685678	7055111	1020956	interleukin 18 binding protein	Il18bp	84388	1,53	up
6566023	7055111	1020956	interleukin 18 binding protein	Il18bp	84388	1,52	down
6297372	7055111	1020957	interleukin 18 binding protein	Il18bp	84388	1,40	up
6681531	7166444	1290121	interleukin 2 receptor, alpha	Il2ra	25704	2,88	down
6481314	7166444	1290124	interleukin 2 receptor, alpha	Il2ra	25704	1,83	down
6047949	7166444	1290127	interleukin 2 receptor, alpha	Il2ra	25704	1,34	up
5832908	7166444	1290126	interleukin 2 receptor, alpha	Il2ra	25704	1,28	up
5826665	7166444	1290121	interleukin 2 receptor, alpha	Il2ra	25704	1,13	up
6168108	7166444	1290122	interleukin 2 receptor, alpha	Il2ra	25704	1,09	up
6428891	7166444	1290125	interleukin 2 receptor, alpha	Il2ra	25704	1,09	down
6730179	7166444	1290121	interleukin 2 receptor, alpha	Il2ra	25704	1,03	down
5885052	7166444	1290123	interleukin 2 receptor, alpha	Il2ra	25704	1,02	down
5809342	7179914	1324710	interleukin 27 receptor, alpha	Il27ra	288905	2,26	up
6472361	7179914	1324720	interleukin 27 receptor, alpha	Il27ra	288905	2,26	down
6595485	7179914	1324710	interleukin 27 receptor, alpha	Il27ra	288905	1,40	down
5826995	7179914	1324713	interleukin 27 receptor, alpha	Il27ra	288905	1,33	down
6041053	7179914	1324723	interleukin 27 receptor, alpha	Il27ra	288905	1,28	up
5866510	7179914	1324716	interleukin 27 receptor, alpha	Il27ra	288905	1,23	down
5957830	7179914	1324715	interleukin 27 receptor, alpha	Il27ra	288905	1,23	up
6251282	7179914	1324714	interleukin 27 receptor, alpha	Il27ra	288905	1,21	down
6058337	7179914	1324721	interleukin 27 receptor, alpha	Il27ra	288905	1,14	up
5683898	7179914	1324724	interleukin 27 receptor, alpha	Il27ra	288905	1,11	down
5745170	7179914	1324712	interleukin 27 receptor, alpha	Il27ra	288905	1,08	up
5908316	7179914	1324711	interleukin 27 receptor, alpha	Il27ra	288905	1,06	up
5878066	7179914	1324724	interleukin 27 receptor, alpha	Il27ra	288905	1,04	down
6109864	7179914	1324724	interleukin 27 receptor, alpha	Il27ra	288905	1,04	up
6702858	7189647	1348938	interleukin 6 signal transducer	Il6st	25205	2,37	up
6722161	7189647	1348938	interleukin 6 signal transducer	Il6st	25205	1,65	down
6162016	7189647	1348941	interleukin 6 signal transducer	Il6st	25205	1,57	down
6408927	7189647	1348926	interleukin 6 signal transducer	Il6st	25205	1,38	down
5647842	7189647	1348931	interleukin 6 signal transducer	Il6st	25205	1,30	up

6540336	7189647	1348940	interleukin 6 signal transducer	Il6st	25205	1,29	down
6234510	7189647	1348936	interleukin 6 signal transducer	Il6st	25205	1,17	up
6177351	7189647	1348934	interleukin 6 signal transducer	Il6st	25205	1,16	down
6154225	7189647	1348927	interleukin 6 signal transducer	Il6st	25205	1,15	down
5842697	7189647	1348930	interleukin 6 signal transducer	Il6st	25205	1,15	down
6708480	7189647	1348940	interleukin 6 signal transducer	Il6st	25205	1,11	down
6544439	7189647	1348935	interleukin 6 signal transducer	Il6st	25205	1,10	up
6371690	7189647	1348929	interleukin 6 signal transducer	Il6st	25205	1,09	up
6048859	7189647	1348928	interleukin 6 signal transducer	Il6st	25205	1,08	down
5686537	7189647	1348937	interleukin 6 signal transducer	Il6st	25205	1,04	down
6733654	7189647	1348939	interleukin 6 signal transducer	Il6st	25205	1,02	up
6227855	7189647	1348932	interleukin 6 signal transducer	Il6st	25205	1,02	down
5883015	7189647	1348933	interleukin 6 signal transducer	Il6st	25205	1,01	down
5627353	7204929	1387145	interleukin 7 receptor	Il7r	294797	1,49	up
6432725	7204929	1387143	interleukin 7 receptor	Il7r	294797	1,38	down
6136896	7204929	1387151	interleukin 7 receptor	Il7r	294797	1,22	down
6585751	7204929	1387146	interleukin 7 receptor	Il7r	294797	1,17	up
6689394	7204929	1387144	interleukin 7 receptor	Il7r	294797	1,09	up
5742901	7204929	1387153	interleukin 7 receptor	Il7r	294797	1,07	down
5734764	7204929	1387143	interleukin 7 receptor	Il7r	294797	1,07	up
6574012	7204929	1387143	interleukin 7 receptor	Il7r	294797	1,07	down
6332717	7204929	1387150	interleukin 7 receptor	Il7r	294797	1,04	up
6275423	7204929	1387152	interleukin 7 receptor	Il7r	294797	1,02	up
5976898	7204929	1387146	interleukin 7 receptor	Il7r	294797	1,00	up
6303851	7204929	1387148	interleukin 7 receptor	Il7r	294797	1,00	up
6108818	7257441	1516300	interleukin-1 receptor-associated kinase 2	Irak2	362418	2,10	up
5804510	7257441	1516300	interleukin-1 receptor-associated kinase 2	Irak2	362418	2,00	up
6172685	7257441	1516308	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,89	up
6475778	7257441	1516304	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,89	down
6600609	7257441	1516295	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,81	down
6062101	7257441	1516290	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,65	down
6388590	7257441	1516307	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,53	down
5706932	7257441	1516303	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,52	up
5820949	7257441	1516309	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,24	up
6050104	7257441	1516295	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,23	down
6121862	7257441	1516301	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,19	up
5658732	7257441	1516302	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,17	up
6009989	7257441	1516302	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,16	down
5910766	7257441	1516291	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,10	up
6034957	7257441	1516299	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,07	up
6398840	7257441	1516309	interleukin-1 receptor-associated kinase 2	Irak2	362418	1,04	up
6622770	7371001	1798841	intersectin 2	Itsn2	313934	2,05	up
6032242	7371001	1798850	intersectin 2	Itsn2	313934	1,76	up
5709323	7371001	1798846	intersectin 2	Itsn2	313934	1,70	up
6563664	7371001	1798886	intersectin 2	Itsn2	313934	1,62	up
5790534	7371001	1798847	intersectin 2	Itsn2	313934	1,57	up
5695887	7371001	1798837	intersectin 2	Itsn2	313934	1,49	down
6106356	7371001	1798837	intersectin 2	Itsn2	313934	1,40	up
6328896	7371001	1798837	intersectin 2	Itsn2	313934	1,38	up
6706808	7371001	1798883	intersectin 2	Itsn2	313934	1,35	up
6621008	7371001	1798858	intersectin 2	Itsn2	313934	1,33	up
5972729	7371001	1798874	intersectin 2	Itsn2	313934	1,26	down
6156629	7371001	1798842	intersectin 2	Itsn2	313934	1,26	up
6073992	7371001	1798854	intersectin 2	Itsn2	313934	1,26	down
5860295	7371001	1798838	intersectin 2	Itsn2	313934	1,25	up
5962558	7371001	1798844	intersectin 2	Itsn2	313934	1,23	down
6481460	7371001	1798860	intersectin 2	Itsn2	313934	1,23	up

5902778	7371001	1798855	intersectin 2	Its2	313934	1,22	down
5697054	7371001	1798877	intersectin 2	Its2	313934	1,21	up
5809045	7371001	1798853	intersectin 2	Its2	313934	1,18	down
6310567	7371001	1798880	intersectin 2	Its2	313934	1,17	up
6153061	7371001	1798881	intersectin 2	Its2	313934	1,16	down
6034663	7371001	1798873	intersectin 2	Its2	313934	1,15	up
5922645	7371001	1798868	intersectin 2	Its2	313934	1,15	up
5768694	7371001	1798883	intersectin 2	Its2	313934	1,11	up
5852018	7371001	1798887	intersectin 2	Its2	313934	1,10	down
6434159	7371001	1798845	intersectin 2	Its2	313934	1,10	down
5969381	7371001	1798865	intersectin 2	Its2	313934	1,09	up
6150992	7371001	1798889	intersectin 2	Its2	313934	1,09	down
6289759	7371001	1798884	intersectin 2	Its2	313934	1,09	up
6249822	7371001	1798879	intersectin 2	Its2	313934	1,07	down
6603027	7371001	1798856	intersectin 2	Its2	313934	1,06	up
5900365	7371001	1798843	intersectin 2	Its2	313934	1,06	down
6084391	7371001	1798882	intersectin 2	Its2	313934	1,05	down
5642409	7371001	1798861	intersectin 2	Its2	313934	1,04	up
6246597	7371001	1798859	intersectin 2	Its2	313934	1,03	down
6741250	7371001	1798864	intersectin 2	Its2	313934	1,03	up
5861490	7371001	1798885	intersectin 2	Its2	313934	1,02	down
6734067	7371001	1798876	intersectin 2	Its2	313934	1,02	up
6317129	7371001	1798888	intersectin 2	Its2	313934	1,01	up
6560135	7371001	1798857	intersectin 2	Its2	313934	1,01	down
5826148	7235076	1461019	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	2,41	down
6351701	7235076	1461030	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,52	down
6189116	7235076	1461024	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,28	up
5779227	7235076	1461033	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,23	up
6046278	7235076	1461027	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,23	down
5874630	7235076	1461025	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,22	up
6274900	7235076	1461028	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,22	up
5845460	7235076	1461021	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,15	down
6398498	7235076	1461022	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,11	down
5646605	7235076	1461033	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,09	up
6702421	7235076	1461020	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,08	down
6267824	7235076	1461026	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,06	up
5854070	7235076	1461032	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,05	up
5981286	7235076	1461033	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,04	up
6301326	7235076	1461023	intraflagellar transport 52 homolog (Chlamydomonas)	Ift52	362265	1,02	up
6062928	7098313	1123512	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	2,14	down
6016494	7098313	1123507	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,65	up
6156720	7098313	1123514	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,64	up
6636532	7098313	1123513	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,60	down
6657102	7098313	1123500	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,41	down
6175413	7098313	1123513	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,35	up
6241183	7098313	1123515	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,33	up
5982275	7098313	1123498	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,28	up
5976943	7098313	1123499	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,25	up
6228523	7098313	1123502	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,25	up
6213242	7098313	1123495	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,24	up
6604707	7098313	1123509	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,22	down
5936134	7098313	1123508	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,22	up
5909125	7098313	1123506	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,21	down
6077965	7098313	1123496	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,18	down
6549629	7098313	1123504	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,16	down
6404869	7098313	1123511	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,16	down
5640637	7098313	1123505	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,14	up

6582843	7098313	1123510	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,11	down
5739810	7098313	1123503	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,09	up
5646086	7098313	1123501	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,09	down
6731734	7098313	1123513	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,05	down
5969044	7098313	1123497	intraflagellar transport 81 homolog (Chlamydomonas)	Ift81	373066	1,02	down
5789413	7132263	1206896	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	2,16	up
5705196	7132263	1206898	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,58	down
5791569	7132263	1206922	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,54	up
6346401	7132263	1206894	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,53	down
5878088	7132263	1206904	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,44	up
6619216	7132263	1206899	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,39	up
6335325	7132263	1206906	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,38	down
6650048	7132263	1206917	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,33	up
6596979	7132263	1206890	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,31	down
6223241	7132263	1206912	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,29	up
6478163	7132263	1206908	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,20	down
6290216	7132263	1206913	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,17	down
5890071	7132263	1206891	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,14	down
6632089	7132263	1206903	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,14	down
6011079	7132263	1206920	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,13	up
6536185	7132263	1206897	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,12	down
6514534	7132263	1206911	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,12	up
6405713	7132263	1206895	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,10	up
6110373	7132263	1206901	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,09	down
6597192	7132263	1206922	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,07	up
6098899	7132263	1206900	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,04	down
6246912	7132263	1206902	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,03	up
5696801	7132263	1206922	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,03	up
6533414	7132263	1206915	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,03	down
5911128	7132263	1206899	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,03	down
5864626	7132263	1206914	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,02	down
6695500	7132263	1206893	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,02	down
6688980	7132263	1206909	intraflagellar transport 88 homolog (Chlamydomonas)	Ift88	305918	1,00	up
6303248	7193403	1359201	inturned planar cell polarity effector homolog (Drosophila)	Intu	361938	1,50	up
6383505	7193403	1359178	inturned planar cell polarity effector homolog (Drosophila)	Intu	361938	1,06	up
5910334	7269267	1545497	IQ motif and Sec7 domain 3	Iqsec3	404781	2,09	up
5683499	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	2,06	up
6681902	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,73	down
6330098	7269267	1545506	IQ motif and Sec7 domain 3	Iqsec3	404781	1,66	up
5997621	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,55	down
5924000	7269267	1545499	IQ motif and Sec7 domain 3	Iqsec3	404781	1,41	up
5678979	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,40	up
5954891	7269267	1545501	IQ motif and Sec7 domain 3	Iqsec3	404781	1,38	down
5992821	7269267	1545503	IQ motif and Sec7 domain 3	Iqsec3	404781	1,36	up
6130114	7269267	1545502	IQ motif and Sec7 domain 3	Iqsec3	404781	1,32	down
6489639	7269267	1545509	IQ motif and Sec7 domain 3	Iqsec3	404781	1,26	up
6710631	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,24	up
6614217	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,21	up
6241780	7269267	1545506	IQ motif and Sec7 domain 3	Iqsec3	404781	1,18	down
6476191	7269267	1545498	IQ motif and Sec7 domain 3	Iqsec3	404781	1,18	up
6656030	7269267	1545500	IQ motif and Sec7 domain 3	Iqsec3	404781	1,15	down
5847018	7269267	1545506	IQ motif and Sec7 domain 3	Iqsec3	404781	1,15	up
6024510	7269267	1545509	IQ motif and Sec7 domain 3	Iqsec3	404781	1,14	up
6668830	7269267	1545504	IQ motif and Sec7 domain 3	Iqsec3	404781	1,11	up
6466136	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,09	down
6616434	7269267	1545505	IQ motif and Sec7 domain 3	Iqsec3	404781	1,07	down
6501913	7269267	1545495	IQ motif and Sec7 domain 3	Iqsec3	404781	1,06	down

5732662	7269267	1545508	IQ motif and Sec7 domain 3	Iqsec3	404781	1,05	down
5846541	7269267	1545507	IQ motif and Sec7 domain 3	Iqsec3	404781	1,04	down
6343990	7269267	1545496	IQ motif and Sec7 domain 3	Iqsec3	404781	1,02	up
6037834	7269267	1545496	IQ motif and Sec7 domain 3	Iqsec3	404781	1,01	down
6172065	7269267	1545496	IQ motif and Sec7 domain 3	Iqsec3	404781	1,00	up
6113975	7269267	1545509	IQ motif and Sec7 domain 3	Iqsec3	404781	1,00	up
5818200	7113483	1161023	IQ motif and WD repeats 1	Iqwd1	289181	1,80	up
6018669	7113483	1161009	IQ motif and WD repeats 1	Iqwd1	289181	1,11	up
6277107	7093752	1111999	IQ motif containing B1	Iqcb1	303915	1,51	down
5800130	7093752	1112004	IQ motif containing B1	Iqcb1	303915	1,36	up
6076125	7093752	1111993	IQ motif containing B1	Iqcb1	303915	1,32	down
6587994	7093752	1112003	IQ motif containing B1	Iqcb1	303915	1,27	up
5942093	7093752	1112006	IQ motif containing B1	Iqcb1	303915	1,23	up
6451355	7093752	1111992	IQ motif containing B1	Iqcb1	303915	1,22	down
5821192	7093752	1111992	IQ motif containing B1	Iqcb1	303915	1,22	down
5757939	7093752	1111992	IQ motif containing B1	Iqcb1	303915	1,21	up
6056861	7093752	1112007	IQ motif containing B1	Iqcb1	303915	1,20	up
6422144	7093752	1111995	IQ motif containing B1	Iqcb1	303915	1,15	down
6688610	7093752	1112008	IQ motif containing B1	Iqcb1	303915	1,14	down
6670468	7093752	1111992	IQ motif containing B1	Iqcb1	303915	1,13	down
6342047	7093752	1111994	IQ motif containing B1	Iqcb1	303915	1,10	down
5666361	7093752	1111995	IQ motif containing B1	Iqcb1	303915	1,10	down
5686334	7093752	1111992	IQ motif containing B1	Iqcb1	303915	1,05	down
6719556	7093752	1112000	IQ motif containing B1	Iqcb1	303915	1,04	up
6085536	7093752	1111996	IQ motif containing B1	Iqcb1	303915	1,04	down
5929364	7093752	1112005	IQ motif containing B1	Iqcb1	303915	1,03	down
6061356	7102474	1133742	IQ motif containing D	Iqcd	498184	2,26	down
6304690	7102474	1133743	IQ motif containing D	Iqcd	498184	1,18	up
5883969	7102474	1133741	IQ motif containing D	Iqcd	498184	1,15	up
6277765	7102474	1133740	IQ motif containing D	Iqcd	498184	1,15	up
6313653	7102474	1133743	IQ motif containing D	Iqcd	498184	1,11	down
6459388	7102474	1133739	IQ motif containing D	Iqcd	498184	1,08	down
6546503	7102474	1133744	IQ motif containing D	Iqcd	498184	1,03	up
5747482	7102474	1133738	IQ motif containing D	Iqcd	498184	1,02	up
6278393	7196029	1365601	IQ motif containing GTPase activating protein 3	Iqgap3	310621	1,24	down
6344864	7183190	1333640	iroquois homeobox 6	Irx6	307715	2,16	up
6401332	7183190	1333640	iroquois homeobox 6	Irx6	307715	1,39	down
6352006	7183190	1333645	iroquois homeobox 6	Irx6	307715	1,35	up
6675166	7183190	1333640	iroquois homeobox 6	Irx6	307715	1,30	down
6718156	7183190	1333643	iroquois homeobox 6	Irx6	307715	1,10	down
6230333	7183190	1333642	iroquois homeobox 6	Irx6	307715	1,09	up
6143221	7183190	1333639	iroquois homeobox 6	Irx6	307715	1,06	up
6301817	7183190	1333645	iroquois homeobox 6	Irx6	307715	1,06	down
5919334	7183190	1333645	iroquois homeobox 6	Irx6	307715	1,01	down
6261908	7183190	1333645	iroquois homeobox 6	Irx6	307715	1,01	down
6616542	7183190	1333644	iroquois homeobox 6	Irx6	307715	1,01	down
6191624	7262114	1528008	islet cell autoantigen 1	Ica1	81024	1,69	down
6594492	7262114	1528012	islet cell autoantigen 1	Ica1	81024	1,43	down
5883150	7262114	1528005	islet cell autoantigen 1	Ica1	81024	1,36	down
6130433	7262114	1528017	islet cell autoantigen 1	Ica1	81024	1,34	up
5828726	7262114	1528003	islet cell autoantigen 1	Ica1	81024	1,28	up
6458447	7262114	1528015	islet cell autoantigen 1	Ica1	81024	1,26	up
5918495	7262114	1528006	islet cell autoantigen 1	Ica1	81024	1,15	down
5793952	7262114	1528002	islet cell autoantigen 1	Ica1	81024	1,13	down
6563305	7262114	1528004	islet cell autoantigen 1	Ica1	81024	1,12	up
6379955	7262114	1528009	islet cell autoantigen 1	Ica1	81024	1,12	up
6227762	7262114	1528016	islet cell autoantigen 1	Ica1	81024	1,10	up

6688175	7262114	1528013	islet cell autoantigen 1	Ica1	81024	1,08	down
5929209	7262114	1528011	islet cell autoantigen 1	Ica1	81024	1,05	down
6188686	7262114	1528007	islet cell autoantigen 1	Ica1	81024	1,05	down
5803721	7262114	1528010	islet cell autoantigen 1	Ica1	81024	1,00	up
5893729	7262114	1528014	islet cell autoantigen 1	Ica1	81024	1,00	up
6356596	7245570	1486670	jagged 1	Jag1	29146	2,89	down
6141231	7245570	1486646	jagged 1	Jag1	29146	2,17	down
6470321	7245570	1486645	jagged 1	Jag1	29146	1,91	down
5970277	7245570	1486663	jagged 1	Jag1	29146	1,85	down
5787564	7245570	1486665	jagged 1	Jag1	29146	1,82	down
5909678	7245570	1486649	jagged 1	Jag1	29146	1,59	up
6731583	7245570	1486658	jagged 1	Jag1	29146	1,44	up
5806811	7245570	1486662	jagged 1	Jag1	29146	1,43	down
6177332	7245570	1486647	jagged 1	Jag1	29146	1,41	up
5850944	7245570	1486651	jagged 1	Jag1	29146	1,40	up
6712960	7245570	1486655	jagged 1	Jag1	29146	1,39	up
6637479	7245570	1486650	jagged 1	Jag1	29146	1,34	up
6650836	7245570	1486669	jagged 1	Jag1	29146	1,32	up
5707236	7245570	1486667	jagged 1	Jag1	29146	1,32	up
5666385	7245570	1486661	jagged 1	Jag1	29146	1,25	up
6447500	7245570	1486664	jagged 1	Jag1	29146	1,25	up
6116459	7245570	1486652	jagged 1	Jag1	29146	1,25	up
6542016	7245570	1486665	jagged 1	Jag1	29146	1,23	down
5636884	7245570	1486668	jagged 1	Jag1	29146	1,23	up
6462119	7245570	1486660	jagged 1	Jag1	29146	1,16	up
6410979	7245570	1486654	jagged 1	Jag1	29146	1,12	up
5806825	7245570	1486657	jagged 1	Jag1	29146	1,09	down
6267280	7245570	1486666	jagged 1	Jag1	29146	1,07	down
6491950	7245570	1486648	jagged 1	Jag1	29146	1,05	up
5955201	7245570	1486653	jagged 1	Jag1	29146	1,04	down
6354571	7245570	1486656	jagged 1	Jag1	29146	1,02	up
6559894	7245570	1486659	jagged 1	Jag1	29146	1,01	up
6537283	7310810	1649354	jagged 2	Jag2	29147	2,13	down
5965089	7310810	1649352	jagged 2	Jag2	29147	1,71	down
5620799	7310810	1649349	jagged 2	Jag2	29147	1,63	down
5931675	7310810	1649355	jagged 2	Jag2	29147	1,62	down
5670767	7310810	1649337	jagged 2	Jag2	29147	1,53	down
6336106	7310810	1649341	jagged 2	Jag2	29147	1,52	down
6400009	7310810	1649361	jagged 2	Jag2	29147	1,24	up
6371014	7310810	1649364	jagged 2	Jag2	29147	1,24	up
6440431	7310810	1649346	jagged 2	Jag2	29147	1,23	down
5852499	7310810	1649338	jagged 2	Jag2	29147	1,17	up
6097057	7310810	1649345	jagged 2	Jag2	29147	1,16	down
6479143	7310810	1649344	jagged 2	Jag2	29147	1,14	down
6265465	7310810	1649340	jagged 2	Jag2	29147	1,14	down
6334452	7310810	1649343	jagged 2	Jag2	29147	1,14	up
5994596	7310810	1649353	jagged 2	Jag2	29147	1,11	up
6693602	7310810	1649362	jagged 2	Jag2	29147	1,10	down
5815590	7310810	1649339	jagged 2	Jag2	29147	1,10	up
6254703	7310810	1649356	jagged 2	Jag2	29147	1,07	up
6182879	7310810	1649347	jagged 2	Jag2	29147	1,07	up
6140630	7310810	1649348	jagged 2	Jag2	29147	1,07	down
6586414	7310810	1649357	jagged 2	Jag2	29147	1,06	up
5700923	7310810	1649368	jagged 2	Jag2	29147	1,06	up
6390162	7310810	1649351	jagged 2	Jag2	29147	1,06	up
5703320	7310810	1649350	jagged 2	Jag2	29147	1,03	up
6394537	7310810	1649340	jagged 2	Jag2	29147	1,02	down

6500466	7310810	1649342	jagged 2	Jag2	29147	1,01	down
6353515	7041050	988040	Janus kinase 2	Jak2	24514	3,44	down
6605198	7041050	988037	Janus kinase 2	Jak2	24514	1,92	down
6104975	7041050	988030	Janus kinase 2	Jak2	24514	1,75	up
5719932	7041050	988039	Janus kinase 2	Jak2	24514	1,55	up
6532144	7041050	988036	Janus kinase 2	Jak2	24514	1,38	up
5739756	7041050	988038	Janus kinase 2	Jak2	24514	1,32	up
6592389	7041050	988045	Janus kinase 2	Jak2	24514	1,28	up
6392550	7041050	988029	Janus kinase 2	Jak2	24514	1,26	down
5977605	7041050	988052	Janus kinase 2	Jak2	24514	1,25	up
6564338	7041050	988055	Janus kinase 2	Jak2	24514	1,25	down
6737860	7041050	988040	Janus kinase 2	Jak2	24514	1,25	up
6393539	7041050	988033	Janus kinase 2	Jak2	24514	1,23	down
6531237	7041050	988043	Janus kinase 2	Jak2	24514	1,21	down
5692305	7041050	988031	Janus kinase 2	Jak2	24514	1,21	down
6689868	7041050	988049	Janus kinase 2	Jak2	24514	1,19	up
6214771	7041050	988044	Janus kinase 2	Jak2	24514	1,18	down
6386101	7041050	988046	Janus kinase 2	Jak2	24514	1,14	down
5671561	7041050	988054	Janus kinase 2	Jak2	24514	1,13	down
5704886	7041050	988041	Janus kinase 2	Jak2	24514	1,12	down
6658532	7041050	988053	Janus kinase 2	Jak2	24514	1,11	up
6472971	7041050	988047	Janus kinase 2	Jak2	24514	1,09	up
5664257	7041050	988033	Janus kinase 2	Jak2	24514	1,09	up
6681926	7041050	988051	Janus kinase 2	Jak2	24514	1,08	down
6266362	7041050	988032	Janus kinase 2	Jak2	24514	1,05	down
5829573	7041050	988042	Janus kinase 2	Jak2	24514	1,05	down
6236523	7041050	988034	Janus kinase 2	Jak2	24514	1,04	up
6729078	7041050	988048	Janus kinase 2	Jak2	24514	1,04	up
6609269	7041050	988054	Janus kinase 2	Jak2	24514	1,04	down
6280783	7041050	988050	Janus kinase 2	Jak2	24514	1,02	up
6463579	7041050	988035	Janus kinase 2	Jak2	24514	1,02	up
5732283	7065811	1045689	jumonji domain containing 8	Jmjd8	360498	2,27	up
6367088	7065811	1045689	jumonji domain containing 8	Jmjd8	360498	1,73	up
6280276	7065811	1045695	jumonji domain containing 8	Jmjd8	360498	1,34	down
6430045	7065811	1045689	jumonji domain containing 8	Jmjd8	360498	1,25	down
6014039	7065811	1045694	jumonji domain containing 8	Jmjd8	360498	1,24	down
5756435	7065811	1045697	jumonji domain containing 8	Jmjd8	360498	1,23	down
6262345	7065811	1045690	jumonji domain containing 8	Jmjd8	360498	1,23	up
6571922	7065811	1045691	jumonji domain containing 8	Jmjd8	360498	1,19	down
5651040	7065811	1045689	jumonji domain containing 8	Jmjd8	360498	1,10	down
5992888	7065811	1045696	jumonji domain containing 8	Jmjd8	360498	1,10	down
5899593	7065811	1045693	jumonji domain containing 8	Jmjd8	360498	1,08	down
5856526	7065811	1045692	jumonji domain containing 8	Jmjd8	360498	1,07	down
6739321	7065811	1045697	jumonji domain containing 8	Jmjd8	360498	1,07	up
6358344	7065811	1045689	jumonji domain containing 8	Jmjd8	360498	1,06	down
5940294	7059778	1031002	K(lysine) acetyltransferase 5	Kat5	192218	2,07	down
6602042	7059778	1031008	K(lysine) acetyltransferase 5	Kat5	192218	1,74	up
5629129	7059778	1031007	K(lysine) acetyltransferase 5	Kat5	192218	1,36	down
5850205	7059778	1030999	K(lysine) acetyltransferase 5	Kat5	192218	1,28	down
6152051	7059778	1030998	K(lysine) acetyltransferase 5	Kat5	192218	1,23	down
5755305	7059778	1031010	K(lysine) acetyltransferase 5	Kat5	192218	1,23	up
6243464	7059778	1031000	K(lysine) acetyltransferase 5	Kat5	192218	1,22	up
6256420	7059778	1031009	K(lysine) acetyltransferase 5	Kat5	192218	1,20	down
6323258	7059778	1031003	K(lysine) acetyltransferase 5	Kat5	192218	1,18	up
6430295	7059778	1031006	K(lysine) acetyltransferase 5	Kat5	192218	1,11	down
6356152	7059778	1031005	K(lysine) acetyltransferase 5	Kat5	192218	1,03	up
6166982	7059778	1031001	K(lysine) acetyltransferase 5	Kat5	192218	1,02	down

6428645	7059778	1031011	K(lysine) acetyltransferase 5	Kat5	192218	1,01	up
5872194	7059778	1031004	K(lysine) acetyltransferase 5	Kat5	192218	1,00	down
6451782	7088723	1100102	kalirin, RhoGEF kinase	Kalrn	84009	3,43	down
6218217	7088723	1100128	kalirin, RhoGEF kinase	Kalrn	84009	2,00	down
6507555	7088723	1100159	kalirin, RhoGEF kinase	Kalrn	84009	1,72	down
6118258	7088723	1100130	kalirin, RhoGEF kinase	Kalrn	84009	1,70	down
5895761	7088723	1100146	kalirin, RhoGEF kinase	Kalrn	84009	1,70	down
6477403	7088723	1100160	kalirin, RhoGEF kinase	Kalrn	84009	1,69	down
6351786	7088723	1100126	kalirin, RhoGEF kinase	Kalrn	84009	1,65	down
5947745	7088723	1100124	kalirin, RhoGEF kinase	Kalrn	84009	1,65	down
6023101	7088723	1100116	kalirin, RhoGEF kinase	Kalrn	84009	1,62	up
6582056	7088723	1100145	kalirin, RhoGEF kinase	Kalrn	84009	1,58	down
6268999	7088723	1100151	kalirin, RhoGEF kinase	Kalrn	84009	1,58	down
6342491	7088723	1100153	kalirin, RhoGEF kinase	Kalrn	84009	1,57	down
6308389	7088723	1100117	kalirin, RhoGEF kinase	Kalrn	84009	1,56	up
6320809	7088723	1100137	kalirin, RhoGEF kinase	Kalrn	84009	1,55	up
6222804	7088723	1100103	kalirin, RhoGEF kinase	Kalrn	84009	1,52	up
6137803	7088723	1100106	kalirin, RhoGEF kinase	Kalrn	84009	1,51	up
5944628	7088723	1100144	kalirin, RhoGEF kinase	Kalrn	84009	1,51	up
5839972	7088723	1100157	kalirin, RhoGEF kinase	Kalrn	84009	1,46	up
6037013	7088723	1100108	kalirin, RhoGEF kinase	Kalrn	84009	1,46	down
6497618	7088723	1100120	kalirin, RhoGEF kinase	Kalrn	84009	1,42	up
6426486	7088723	1100161	kalirin, RhoGEF kinase	Kalrn	84009	1,42	up
6231123	7088723	1100107	kalirin, RhoGEF kinase	Kalrn	84009	1,38	up
6120824	7088723	1100142	kalirin, RhoGEF kinase	Kalrn	84009	1,35	down
6561755	7088723	1100127	kalirin, RhoGEF kinase	Kalrn	84009	1,34	down
6160173	7088723	1100133	kalirin, RhoGEF kinase	Kalrn	84009	1,34	up
6483252	7088723	1100119	kalirin, RhoGEF kinase	Kalrn	84009	1,33	up
6061362	7088723	1100149	kalirin, RhoGEF kinase	Kalrn	84009	1,32	down
6390854	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,30	up
5960067	7088723	1100129	kalirin, RhoGEF kinase	Kalrn	84009	1,30	up
6680802	7088723	1100131	kalirin, RhoGEF kinase	Kalrn	84009	1,28	up
6385663	7088723	1100115	kalirin, RhoGEF kinase	Kalrn	84009	1,26	up
6102991	7088723	1100162	kalirin, RhoGEF kinase	Kalrn	84009	1,25	down
6565569	7088723	1100134	kalirin, RhoGEF kinase	Kalrn	84009	1,23	down
6620905	7088723	1100121	kalirin, RhoGEF kinase	Kalrn	84009	1,22	up
5866295	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,21	down
5664880	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,20	up
6075400	7088723	1100141	kalirin, RhoGEF kinase	Kalrn	84009	1,20	up
6649600	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,20	down
5927850	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,19	up
6028317	7088723	1100147	kalirin, RhoGEF kinase	Kalrn	84009	1,18	up
5961792	7088723	1100104	kalirin, RhoGEF kinase	Kalrn	84009	1,16	down
6020532	7088723	1100136	kalirin, RhoGEF kinase	Kalrn	84009	1,16	down
5722998	7088723	1100150	kalirin, RhoGEF kinase	Kalrn	84009	1,16	down
6030955	7088723	1100163	kalirin, RhoGEF kinase	Kalrn	84009	1,15	up
5714699	7088723	1100138	kalirin, RhoGEF kinase	Kalrn	84009	1,15	up
5752480	7088723	1100154	kalirin, RhoGEF kinase	Kalrn	84009	1,13	up
6663669	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,13	down
5633555	7088723	1100139	kalirin, RhoGEF kinase	Kalrn	84009	1,12	up
5880103	7088723	1100118	kalirin, RhoGEF kinase	Kalrn	84009	1,12	up
5981616	7088723	1100158	kalirin, RhoGEF kinase	Kalrn	84009	1,11	up
6079746	7088723	1100132	kalirin, RhoGEF kinase	Kalrn	84009	1,10	up
5916443	7088723	1100143	kalirin, RhoGEF kinase	Kalrn	84009	1,10	down
6380558	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,09	down
6054444	7088723	1100111	kalirin, RhoGEF kinase	Kalrn	84009	1,08	up
5696280	7088723	1100105	kalirin, RhoGEF kinase	Kalrn	84009	1,07	down

5704085	7088723	1100113	kalirin, RhoGEF kinase	Kalrn	84009	1,07	up
6621587	7088723	1100123	kalirin, RhoGEF kinase	Kalrn	84009	1,07	down
6384866	7088723	1100152	kalirin, RhoGEF kinase	Kalrn	84009	1,06	up
5646169	7088723	1100109	kalirin, RhoGEF kinase	Kalrn	84009	1,06	down
6630559	7088723	1100136	kalirin, RhoGEF kinase	Kalrn	84009	1,06	up
6537395	7088723	1100112	kalirin, RhoGEF kinase	Kalrn	84009	1,06	down
5729118	7088723	1100110	kalirin, RhoGEF kinase	Kalrn	84009	1,05	down
6065189	7088723	1100156	kalirin, RhoGEF kinase	Kalrn	84009	1,05	down
6226641	7088723	1100155	kalirin, RhoGEF kinase	Kalrn	84009	1,04	up
6497934	7088723	1100122	kalirin, RhoGEF kinase	Kalrn	84009	1,04	up
6384961	7088723	1100114	kalirin, RhoGEF kinase	Kalrn	84009	1,04	down
6694343	7088723	1100140	kalirin, RhoGEF kinase	Kalrn	84009	1,04	up
6492604	7088723	1100148	kalirin, RhoGEF kinase	Kalrn	84009	1,04	up
5985950	7088723	1100125	kalirin, RhoGEF kinase	Kalrn	84009	1,03	up
5930679	7088723	1100156	kalirin, RhoGEF kinase	Kalrn	84009	1,01	up
6241373	7050641	1010961	kallikrein /// tonin /// kallikrein 1	292861 /// Ton /// B61 /// 24841 /// 292		1,08	down
5795938	7209566	1398044	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	2,03	down
5974936	7209566	1398057	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,93	down
6530802	7209566	1398045	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,62	up
6211156	7209566	1398055	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,42	up
5758323	7209566	1398054	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,23	down
6308654	7209566	1398049	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,23	down
5849907	7209566	1398056	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,21	up
5827787	7209566	1398043	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,19	up
6691651	7209566	1398048	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,17	down
5977965	7209566	1398042	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,11	up
5737225	7209566	1398041	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,10	down
6200208	7209566	1398050	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,09	down
5706521	7209566	1398051	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,08	down
6366700	7209566	1398041	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,07	up
6300415	7209566	1398047	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,05	down
5673556	7209566	1398053	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,04	down
6418777	7209566	1398058	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,03	down
5623866	7209566	1398046	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,00	up
6554957	7209566	1398052	karyopherin alpha 4 (importin alpha 3)	Kpna4	361959	1,00	down
6056202	7024721	947624	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	2,09	down
6284413	7024721	947629	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,95	down
5999587	7024721	947621	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,91	up
5903531	7024721	947628	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,21	up
6639895	7024721	947627	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,13	up
6058202	7024721	947625	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,12	up
5763655	7024721	947626	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,04	down
6208751	7024721	947620	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,04	up
5619616	7024721	947621	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,03	down
5807452	7024721	947622	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,02	up
6579846	7024721	947623	katanin p60 (ATPase-containing) subunit A1	Katna1	292464	1,02	down
6581598	7298920	1618832	kelch domain containing 2	Klhdc2	299113	3,02	down
5753797	7298920	1618826	kelch domain containing 2	Klhdc2	299113	1,67	up
6303958	7298920	1618833	kelch domain containing 2	Klhdc2	299113	1,65	down
5799945	7298920	1618828	kelch domain containing 2	Klhdc2	299113	1,31	up
6129110	7298920	1618830	kelch domain containing 2	Klhdc2	299113	1,25	up
6168699	7298920	1618825	kelch domain containing 2	Klhdc2	299113	1,22	up
6590189	7298920	1618828	kelch domain containing 2	Klhdc2	299113	1,12	up
6307360	7298920	1618824	kelch domain containing 2	Klhdc2	299113	1,08	up
5798556	7298920	1618827	kelch domain containing 2	Klhdc2	299113	1,06	down
6470820	7298920	1618831	kelch domain containing 2	Klhdc2	299113	1,06	down
6675516	7298920	1618829	kelch domain containing 2	Klhdc2	299113	1,04	down

6468698	7298920	1618822	kelch domain containing 2	Klhdc2	299113	1,02	up
6308423	7373038	1804296	kelch-like 13 (Drosophila)	Klhl13	313445	2,12	down
6433424	7373038	1804297	kelch-like 13 (Drosophila)	Klhl13	313445	1,83	up
6165425	7373038	1804295	kelch-like 13 (Drosophila)	Klhl13	313445	1,65	down
6044430	7373038	1804297	kelch-like 13 (Drosophila)	Klhl13	313445	1,45	down
6663894	7113085	1159984	kelch-like 20 (Drosophila)	Klhl20	304920	2,35	up
6643542	7113085	1159990	kelch-like 20 (Drosophila)	Klhl20	304920	1,57	down
6025710	7113085	1160003	kelch-like 20 (Drosophila)	Klhl20	304920	1,49	down
6045823	7113085	1159985	kelch-like 20 (Drosophila)	Klhl20	304920	1,47	up
5848101	7113085	1159993	kelch-like 20 (Drosophila)	Klhl20	304920	1,35	up
5852678	7113085	1159988	kelch-like 20 (Drosophila)	Klhl20	304920	1,30	up
6316796	7113085	1159984	kelch-like 20 (Drosophila)	Klhl20	304920	1,26	down
6067351	7113085	1159998	kelch-like 20 (Drosophila)	Klhl20	304920	1,25	up
6553913	7113085	1159984	kelch-like 20 (Drosophila)	Klhl20	304920	1,24	down
6689268	7113085	1159991	kelch-like 20 (Drosophila)	Klhl20	304920	1,24	up
5956881	7113085	1159994	kelch-like 20 (Drosophila)	Klhl20	304920	1,22	down
6442264	7113085	1159987	kelch-like 20 (Drosophila)	Klhl20	304920	1,14	up
5960365	7113085	1159989	kelch-like 20 (Drosophila)	Klhl20	304920	1,11	up
5920318	7113085	1159992	kelch-like 20 (Drosophila)	Klhl20	304920	1,07	up
6330912	7113085	1160005	kelch-like 20 (Drosophila)	Klhl20	304920	1,06	down
6734792	7082471	1084896	keratin 12	Krt12	360625	2,16	down
6735863	7082471	1084894	keratin 12	Krt12	360625	1,90	up
5736596	7082471	1084900	keratin 12	Krt12	360625	1,61	down
6658077	7082471	1084899	keratin 12	Krt12	360625	1,43	up
6351230	7082471	1084900	keratin 12	Krt12	360625	1,17	down
5808849	7082471	1084897	keratin 12	Krt12	360625	1,12	down
5838641	7082471	1084893	keratin 12	Krt12	360625	1,12	up
6643099	7082471	1084893	keratin 12	Krt12	360625	1,05	down
6222024	7082471	1084898	keratin 12	Krt12	360625	1,05	down
6320156	7082471	1084895	keratin 12	Krt12	360625	1,01	up
6193172	7191382	1353516	keratin 18	Krt18	294853	2,39	down
5789573	7191382	1353517	keratin 18	Krt18	294853	1,48	up
6080586	7191382	1353516	keratin 18	Krt18	294853	1,18	up
5667517	7191382	1353516	keratin 18	Krt18	294853	1,11	up
5668835	7082611	1085221	keratin 19	Krt19	360626	4,82	down
5843864	7082611	1085222	keratin 19	Krt19	360626	1,47	down
5781443	7082611	1085226	keratin 19	Krt19	360626	1,27	up
6146499	7082611	1085225	keratin 19	Krt19	360626	1,19	up
6389612	7082611	1085227	keratin 19	Krt19	360626	1,11	down
6148024	7082611	1085224	keratin 19	Krt19	360626	1,06	down
6638331	7082611	1085223	keratin 19	Krt19	360626	1,05	down
6130508	7082611	1085223	keratin 19	Krt19	360626	1,05	up
5876320	7332059	1700725	keratin 78	Krt78	685672	1,73	up
6440174	7332059	1700725	keratin 78	Krt78	685672	1,17	down
6214890	7320963	1674651	keratin 86	Krt86	407760	2,11	up
6286201	7320963	1674649	keratin 86	Krt86	407760	1,31	down
5953378	7320963	1674654	keratin 86	Krt86	407760	1,26	up
6335980	7320963	1674656	keratin 86	Krt86	407760	1,24	down
6199490	7320963	1674648	keratin 86	Krt86	407760	1,22	down
6126683	7320963	1674655	keratin 86	Krt86	407760	1,15	down
6484837	7320963	1674652	keratin 86	Krt86	407760	1,12	down
5867353	7320963	1674648	keratin 86	Krt86	407760	1,11	down
5967766	7320963	1674653	keratin 86	Krt86	407760	1,09	down
6487884	7320963	1674650	keratin 86	Krt86	407760	1,06	down
6304227	7320963	1674656	keratin 86	Krt86	407760	1,01	up
5629600	7082619	1085248	keratin 9	Krt9	266717	2,31	down
6363895	7082619	1085244	keratin 9	Krt9	266717	1,20	down

6200441	7082619	1085250	keratin 9	Krt9	266717	1,14	up
6277312	7082619	1085247	keratin 9	Krt9	266717	1,13	up
5859631	7082619	1085245	keratin 9	Krt9	266717	1,07	up
5644976	7082619	1085251	keratin 9	Krt9	266717	1,05	up
5690659	7082619	1085246	keratin 9	Krt9	266717	1,05	down
5685098	7082619	1085249	keratin 9	Krt9	266717	1,01	up
5712340	7291370	1600041	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	2,48	down
6267477	7291370	1600042	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	2,02	down
6436647	7291370	1600039	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,40	up
5886950	7291370	1600040	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,34	up
6150786	7291370	1600042	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,32	down
6461816	7291370	1600040	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,31	down
5783201	7291370	1600041	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,31	up
6402813	7291370	1600036	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,19	up
5952257	7291370	1600037	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,15	up
6614527	7291370	1600038	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,15	up
5882350	7291370	1600041	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,11	down
5871622	7291370	1600041	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,05	up
5772804	7291370	1600038	KH domain containing, RNA binding, signal transduction associated 1	Khdrbs1	117268	1,04	down
6662101	7317826	1667246	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	2,07	up
5738577	7317826	1667249	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,16	down
6528830	7317826	1667247	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,15	up
5808514	7317826	1667245	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,14	down
6319858	7317826	1667248	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,12	down
6136990	7317826	1667244	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,11	up
5760151	7317826	1667243	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,11	down
5999955	7317826	1667250	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,10	up
5949542	7317826	1667243	KH domain containing, RNA binding, signal transduction associated 3	Khdrbs3	64015	1,03	down
6188475	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	2,17	up
5890409	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,42	down
5835015	7367946	1788952	KH-type splicing regulatory protein	Khsrp	171137	1,38	down
5931162	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,36	down
6521899	7367946	1788946	KH-type splicing regulatory protein	Khsrp	171137	1,31	down
5914772	7367946	1788956	KH-type splicing regulatory protein	Khsrp	171137	1,23	up
5999404	7367946	1788951	KH-type splicing regulatory protein	Khsrp	171137	1,14	up
6171276	7367946	1788957	KH-type splicing regulatory protein	Khsrp	171137	1,12	up
5935237	7367946	1788962	KH-type splicing regulatory protein	Khsrp	171137	1,12	down
6279968	7367946	1788950	KH-type splicing regulatory protein	Khsrp	171137	1,12	down
6402851	7367946	1788945	KH-type splicing regulatory protein	Khsrp	171137	1,11	down
6654918	7367946	1788965	KH-type splicing regulatory protein	Khsrp	171137	1,09	up
6729709	7367946	1788954	KH-type splicing regulatory protein	Khsrp	171137	1,08	up
5907882	7367946	1788959	KH-type splicing regulatory protein	Khsrp	171137	1,07	up
5893940	7367946	1788961	KH-type splicing regulatory protein	Khsrp	171137	1,04	up
6455413	7367946	1788960	KH-type splicing regulatory protein	Khsrp	171137	1,03	down
6156530	7367946	1788953	KH-type splicing regulatory protein	Khsrp	171137	1,02	down
5858265	7367946	1788955	KH-type splicing regulatory protein	Khsrp	171137	1,01	down
6411350	7367946	1788958	KH-type splicing regulatory protein	Khsrp	171137	1,01	up
6648745	7367946	1788949	KH-type splicing regulatory protein	Khsrp	171137	1,01	up
5853975	7367946	1788947	KH-type splicing regulatory protein	Khsrp	171137	1,01	down
6495838	7367946	1788943	KH-type splicing regulatory protein	Khsrp	171137	1,00	down
5977366	7270895	1549509	kidney specific organic anion transporter	Slc21a4	80899	3,07	up
6167641	7270895	1549502	kidney specific organic anion transporter	Slc21a4	80899	1,62	up
5927951	7270895	1549501	kidney specific organic anion transporter	Slc21a4	80899	1,54	down
6069315	7270895	1549503	kidney specific organic anion transporter	Slc21a4	80899	1,47	up
6408642	7270895	1549493	kidney specific organic anion transporter	Slc21a4	80899	1,39	down
5768811	7270895	1549505	kidney specific organic anion transporter	Slc21a4	80899	1,30	down
6092549	7270895	1549504	kidney specific organic anion transporter	Slc21a4	80899	1,30	up

6541877	7270895	1549500	kidney specific organic anion transporter	Slc21a4	80899	1,25	up
5761446	7270895	1549498	kidney specific organic anion transporter	Slc21a4	80899	1,22	up
5794718	7270895	1549496	kidney specific organic anion transporter	Slc21a4	80899	1,22	down
6499313	7270895	1549498	kidney specific organic anion transporter	Slc21a4	80899	1,20	up
5930517	7270895	1549501	kidney specific organic anion transporter	Slc21a4	80899	1,16	down
6008847	7270895	1549495	kidney specific organic anion transporter	Slc21a4	80899	1,14	down
6648102	7270895	1549507	kidney specific organic anion transporter	Slc21a4	80899	1,10	up
5831473	7270895	1549504	kidney specific organic anion transporter	Slc21a4	80899	1,09	up
5994786	7270895	1549506	kidney specific organic anion transporter	Slc21a4	80899	1,09	up
6304515	7270895	1549509	kidney specific organic anion transporter	Slc21a4	80899	1,08	down
6548858	7270895	1549497	kidney specific organic anion transporter	Slc21a4	80899	1,06	down
6024609	7270895	1549506	kidney specific organic anion transporter	Slc21a4	80899	1,05	down
6154310	7270895	1549505	kidney specific organic anion transporter	Slc21a4	80899	1,01	up
6288337	7270895	1549508	kidney specific organic anion transporter	Slc21a4	80899	1,01	up
5851573	7270895	1549501	kidney specific organic anion transporter	Slc21a4	80899	1,01	up
6219053	7270895	1549494	kidney specific organic anion transporter	Slc21a4	80899	1,00	down
5840063	7270895	1549499	kidney specific organic anion transporter	Slc21a4	80899	1,00	down
6295940	7270895	1549502	kidney specific organic anion transporter	Slc21a4	80899	1,00	up
6432971	7131103	1204344	kinectin 1	Ktn1	361029	1,81	up
5645606	7131103	1204361	kinectin 1	Ktn1	361029	1,80	up
5716072	7131103	1204365	kinectin 1	Ktn1	361029	1,64	up
5721011	7131103	1204364	kinectin 1	Ktn1	361029	1,58	down
5672586	7131103	1204363	kinectin 1	Ktn1	361029	1,53	down
6471289	7131103	1204357	kinectin 1	Ktn1	361029	1,47	down
6423967	7131103	1204338	kinectin 1	Ktn1	361029	1,46	down
6316610	7131103	1204352	kinectin 1	Ktn1	361029	1,45	down
6072242	7131103	1204347	kinectin 1	Ktn1	361029	1,42	down
6242779	7131103	1204345	kinectin 1	Ktn1	361029	1,38	up
6300097	7131103	1204346	kinectin 1	Ktn1	361029	1,38	up
6543152	7131103	1204333	kinectin 1	Ktn1	361029	1,37	down
5802965	7131103	1204323	kinectin 1	Ktn1	361029	1,34	up
5802430	7131103	1204321	kinectin 1	Ktn1	361029	1,32	down
5634625	7131103	1204328	kinectin 1	Ktn1	361029	1,28	up
6405161	7131103	1204367	kinectin 1	Ktn1	361029	1,27	down
6497930	7131103	1204351	kinectin 1	Ktn1	361029	1,24	down
6722995	7131103	1204330	kinectin 1	Ktn1	361029	1,24	down
6213089	7131103	1204366	kinectin 1	Ktn1	361029	1,22	down
6116626	7131103	1204327	kinectin 1	Ktn1	361029	1,19	up
6346243	7131103	1204337	kinectin 1	Ktn1	361029	1,18	up
6135828	7131103	1204324	kinectin 1	Ktn1	361029	1,18	down
6460842	7131103	1204339	kinectin 1	Ktn1	361029	1,17	up
6025369	7131103	1204360	kinectin 1	Ktn1	361029	1,16	down
6542889	7131103	1204343	kinectin 1	Ktn1	361029	1,15	up
6367417	7131103	1204348	kinectin 1	Ktn1	361029	1,15	up
6735411	7131103	1204350	kinectin 1	Ktn1	361029	1,14	up
6311411	7131103	1204359	kinectin 1	Ktn1	361029	1,13	down
5673234	7131103	1204342	kinectin 1	Ktn1	361029	1,11	up
6211396	7131103	1204334	kinectin 1	Ktn1	361029	1,10	down
6184038	7131103	1204368	kinectin 1	Ktn1	361029	1,10	down
5820456	7131103	1204329	kinectin 1	Ktn1	361029	1,08	down
6117529	7131103	1204336	kinectin 1	Ktn1	361029	1,08	down
6000684	7131103	1204354	kinectin 1	Ktn1	361029	1,07	up
6099597	7131103	1204340	kinectin 1	Ktn1	361029	1,06	down
6290731	7131103	1204323	kinectin 1	Ktn1	361029	1,06	down
6067282	7131103	1204335	kinectin 1	Ktn1	361029	1,05	down
6241733	7131103	1204353	kinectin 1	Ktn1	361029	1,05	down
6514716	7131103	1204325	kinectin 1	Ktn1	361029	1,03	down

6501559	7131103	1204331	kinectin 1	Ktn1	361029	1,03	up
6306088	7131103	1204355	kinectin 1	Ktn1	361029	1,03	down
6575346	7131103	1204362	kinectin 1	Ktn1	361029	1,02	up
5903694	7131103	1204326	kinectin 1	Ktn1	361029	1,02	up
5758924	7131103	1204364	kinectin 1	Ktn1	361029	1,01	down
5897330	7131103	1204349	kinectin 1	Ktn1	361029	1,01	up
6692516	7156170	1266274	kinesin family member 13A	Kif13a	308173	2,83	up
5787938	7156170	1266278	kinesin family member 13A	Kif13a	308173	1,83	up
6626596	7156170	1266248	kinesin family member 13A	Kif13a	308173	1,65	down
5986019	7156170	1266276	kinesin family member 13A	Kif13a	308173	1,64	down
6029373	7156170	1266230	kinesin family member 13A	Kif13a	308173	1,63	up
5709711	7156170	1266255	kinesin family member 13A	Kif13a	308173	1,59	up
6148205	7156170	1266267	kinesin family member 13A	Kif13a	308173	1,48	up
6071329	7156170	1266247	kinesin family member 13A	Kif13a	308173	1,47	up
5734358	7156170	1266279	kinesin family member 13A	Kif13a	308173	1,43	down
5958685	7156170	1266282	kinesin family member 13A	Kif13a	308173	1,43	up
5873211	7156170	1266265	kinesin family member 13A	Kif13a	308173	1,40	down
5861703	7156170	1266287	kinesin family member 13A	Kif13a	308173	1,29	down
5672260	7156170	1266264	kinesin family member 13A	Kif13a	308173	1,26	up
6532536	7156170	1266245	kinesin family member 13A	Kif13a	308173	1,21	up
6254798	7156170	1266275	kinesin family member 13A	Kif13a	308173	1,15	up
5744057	7156170	1266261	kinesin family member 13A	Kif13a	308173	1,14	down
6500866	7156170	1266266	kinesin family member 13A	Kif13a	308173	1,13	down
6709693	7156170	1266246	kinesin family member 13A	Kif13a	308173	1,11	up
6511219	7156170	1266252	kinesin family member 13A	Kif13a	308173	1,11	down
5802281	7156170	1266263	kinesin family member 13A	Kif13a	308173	1,10	down
5995931	7156170	1266256	kinesin family member 13A	Kif13a	308173	1,10	up
6175233	7156170	1266254	kinesin family member 13A	Kif13a	308173	1,09	down
5770581	7156170	1266277	kinesin family member 13A	Kif13a	308173	1,09	up
6557619	7156170	1266249	kinesin family member 13A	Kif13a	308173	1,08	up
6218818	7156170	1266262	kinesin family member 13A	Kif13a	308173	1,08	up
5960253	7156170	1266257	kinesin family member 13A	Kif13a	308173	1,06	up
6088488	7156170	1266281	kinesin family member 13A	Kif13a	308173	1,04	up
6693249	7156170	1266286	kinesin family member 13A	Kif13a	308173	1,03	up
6394399	7156170	1266253	kinesin family member 13A	Kif13a	308173	1,02	up
6643886	7156170	1266267	kinesin family member 13A	Kif13a	308173	1,02	down
5652319	7156170	1266269	kinesin family member 13A	Kif13a	308173	1,01	down
6486067	7156170	1266287	kinesin family member 13A	Kif13a	308173	1,01	up
6112698	7156170	1266268	kinesin family member 13A	Kif13a	308173	1,00	up
5963002	7156170	1266280	kinesin family member 13A	Kif13a	308173	1,00	up
6062447	7156170	1266271	kinesin family member 13A	Kif13a	308173	1,00	down
6529086	7156170	1266258	kinesin family member 13A	Kif13a	308173	1,00	down
6083252	7156170	1266272	kinesin family member 13A	Kif13a	308173	1,00	up
6596123	7073563	1064716	kinesin family member 19A	Kif19a	303659	2,04	up
6193250	7073563	1064706	kinesin family member 19A	Kif19a	303659	1,84	down
5993440	7073563	1064717	kinesin family member 19A	Kif19a	303659	1,83	up
6042873	7073563	1064721	kinesin family member 19A	Kif19a	303659	1,56	down
5698183	7073563	1064722	kinesin family member 19A	Kif19a	303659	1,42	down
5889131	7073563	1064706	kinesin family member 19A	Kif19a	303659	1,27	up
6349890	7073563	1064723	kinesin family member 19A	Kif19a	303659	1,27	up
6430070	7073563	1064714	kinesin family member 19A	Kif19a	303659	1,18	up
5876536	7073563	1064710	kinesin family member 19A	Kif19a	303659	1,16	up
5973073	7073563	1064718	kinesin family member 19A	Kif19a	303659	1,15	up
5946665	7073563	1064720	kinesin family member 19A	Kif19a	303659	1,09	up
6013186	7073563	1064709	kinesin family member 19A	Kif19a	303659	1,09	up
5823787	7073563	1064719	kinesin family member 19A	Kif19a	303659	1,05	down
5654129	7073563	1064720	kinesin family member 19A	Kif19a	303659	1,04	down

6694989	7073563	1064715	kinesin family member 19A	Kif19a	303659	1,02	down
6119992	7073563	1064719	kinesin family member 19A	Kif19a	303659	1,01	up
6310984	7073563	1064711	kinesin family member 19A	Kif19a	303659	1,01	up
6312219	7155210	1263686	kinesin family member 27	Kif27	246209	2,24	down
6686057	7155210	1263687	kinesin family member 27	Kif27	246209	1,70	down
6102287	7155210	1263680	kinesin family member 27	Kif27	246209	1,65	down
5856293	7155210	1263674	kinesin family member 27	Kif27	246209	1,49	up
6549656	7155210	1263678	kinesin family member 27	Kif27	246209	1,40	down
6095492	7155210	1263672	kinesin family member 27	Kif27	246209	1,39	up
6182455	7155210	1263673	kinesin family member 27	Kif27	246209	1,34	up
5855384	7155210	1263677	kinesin family member 27	Kif27	246209	1,31	down
5789992	7155210	1263675	kinesin family member 27	Kif27	246209	1,28	up
6166944	7155210	1263681	kinesin family member 27	Kif27	246209	1,22	up
6504492	7155210	1263671	kinesin family member 27	Kif27	246209	1,22	up
6370400	7155210	1263684	kinesin family member 27	Kif27	246209	1,17	up
6700671	7155210	1263685	kinesin family member 27	Kif27	246209	1,16	down
5840990	7155210	1263676	kinesin family member 27	Kif27	246209	1,14	up
5644835	7155210	1263682	kinesin family member 27	Kif27	246209	1,11	up
6706788	7155210	1263679	kinesin family member 27	Kif27	246209	1,09	up
6735110	7155210	1263688	kinesin family member 27	Kif27	246209	1,06	down
6104028	7155210	1263683	kinesin family member 27	Kif27	246209	1,06	up
6600069	7155210	1263672	kinesin family member 27	Kif27	246209	1,05	up
5790361	7155210	1263674	kinesin family member 27	Kif27	246209	1,04	down
6161887	7290296	1597390	kinesin family member 2C	Kif2c	171529	2,00	down
5714337	7290296	1597396	kinesin family member 2C	Kif2c	171529	1,43	down
6636603	7290296	1597381	kinesin family member 2C	Kif2c	171529	1,42	up
6628780	7290296	1597393	kinesin family member 2C	Kif2c	171529	1,41	up
5910573	7290296	1597397	kinesin family member 2C	Kif2c	171529	1,38	down
5781188	7290296	1597385	kinesin family member 2C	Kif2c	171529	1,31	down
6329891	7290296	1597398	kinesin family member 2C	Kif2c	171529	1,27	down
6048526	7290296	1597400	kinesin family member 2C	Kif2c	171529	1,25	up
6244467	7290296	1597393	kinesin family member 2C	Kif2c	171529	1,24	up
6706014	7290296	1597379	kinesin family member 2C	Kif2c	171529	1,22	up
6028682	7290296	1597388	kinesin family member 2C	Kif2c	171529	1,18	down
6034956	7290296	1597392	kinesin family member 2C	Kif2c	171529	1,17	up
6081570	7290296	1597386	kinesin family member 2C	Kif2c	171529	1,09	down
6057609	7290296	1597389	kinesin family member 2C	Kif2c	171529	1,09	down
5651764	7290296	1597380	kinesin family member 2C	Kif2c	171529	1,07	up
6691779	7290296	1597383	kinesin family member 2C	Kif2c	171529	1,06	down
6369553	7290296	1597395	kinesin family member 2C	Kif2c	171529	1,06	down
6414442	7290296	1597387	kinesin family member 2C	Kif2c	171529	1,05	down
5705305	7290296	1597384	kinesin family member 2C	Kif2c	171529	1,04	down
6112452	7290296	1597379	kinesin family member 2C	Kif2c	171529	1,03	down
6313197	7290296	1597382	kinesin family member 2C	Kif2c	171529	1,03	up
6622405	7290296	1597391	kinesin family member 2C	Kif2c	171529	1,00	up
5646163	7326239	1686338	kinesin family member 5A	Kif5a	314906	2,10	up
6549342	7326239	1686332	kinesin family member 5A	Kif5a	314906	1,85	up
6008642	7326239	1686334	kinesin family member 5A	Kif5a	314906	1,68	down
6088587	7326239	1686320	kinesin family member 5A	Kif5a	314906	1,43	up
6371962	7326239	1686335	kinesin family member 5A	Kif5a	314906	1,42	down
5771277	7326239	1686322	kinesin family member 5A	Kif5a	314906	1,42	down
6493805	7326239	1686323	kinesin family member 5A	Kif5a	314906	1,33	down
5959648	7326239	1686344	kinesin family member 5A	Kif5a	314906	1,31	down
6286559	7326239	1686342	kinesin family member 5A	Kif5a	314906	1,30	up
6301013	7326239	1686345	kinesin family member 5A	Kif5a	314906	1,25	up
6147398	7326239	1686340	kinesin family member 5A	Kif5a	314906	1,23	up
6424707	7326239	1686336	kinesin family member 5A	Kif5a	314906	1,23	up

6375352	7326239	1686339	kinesin family member 5A	Kif5a	314906	1,22	up
5646495	7326239	1686338	kinesin family member 5A	Kif5a	314906	1,22	down
5750081	7326239	1686332	kinesin family member 5A	Kif5a	314906	1,20	down
5807374	7326239	1686319	kinesin family member 5A	Kif5a	314906	1,17	down
6269282	7326239	1686347	kinesin family member 5A	Kif5a	314906	1,17	up
6611072	7326239	1686321	kinesin family member 5A	Kif5a	314906	1,16	up
6030862	7326239	1686343	kinesin family member 5A	Kif5a	314906	1,14	up
6084901	7326239	1686341	kinesin family member 5A	Kif5a	314906	1,13	down
6148840	7326239	1686328	kinesin family member 5A	Kif5a	314906	1,12	up
6404331	7326239	1686348	kinesin family member 5A	Kif5a	314906	1,12	up
5747479	7326239	1686333	kinesin family member 5A	Kif5a	314906	1,11	up
5864906	7326239	1686330	kinesin family member 5A	Kif5a	314906	1,10	down
6256886	7326239	1686329	kinesin family member 5A	Kif5a	314906	1,08	down
5972426	7326239	1686346	kinesin family member 5A	Kif5a	314906	1,08	down
6204115	7326239	1686337	kinesin family member 5A	Kif5a	314906	1,05	up
6577346	7326239	1686327	kinesin family member 5A	Kif5a	314906	1,03	down
6604612	7326239	1686324	kinesin family member 5A	Kif5a	314906	1,03	down
6340664	7326239	1686331	kinesin family member 5A	Kif5a	314906	1,03	down
6170733	7326239	1686319	kinesin family member 5A	Kif5a	314906	1,03	down
5898924	7326239	1686325	kinesin family member 5A	Kif5a	314906	1,03	up
6097456	7326239	1686326	kinesin family member 5A	Kif5a	314906	1,01	up
6698589	7326239	1686348	kinesin family member 5A	Kif5a	314906	1,01	down
6253408	7359554	1768664	kinesin light chain 4	Klc4	316226	2,07	up
5936394	7359554	1768656	kinesin light chain 4	Klc4	316226	1,77	up
5975823	7359554	1768660	kinesin light chain 4	Klc4	316226	1,58	down
6578909	7359554	1768650	kinesin light chain 4	Klc4	316226	1,46	up
6743487	7359554	1768666	kinesin light chain 4	Klc4	316226	1,39	down
6352003	7359554	1768650	kinesin light chain 4	Klc4	316226	1,39	up
5915991	7359554	1768652	kinesin light chain 4	Klc4	316226	1,34	up
6325437	7359554	1768657	kinesin light chain 4	Klc4	316226	1,33	up
6147471	7359554	1768653	kinesin light chain 4	Klc4	316226	1,23	down
5967956	7359554	1768655	kinesin light chain 4	Klc4	316226	1,22	down
6406821	7359554	1768664	kinesin light chain 4	Klc4	316226	1,20	up
5822330	7359554	1768662	kinesin light chain 4	Klc4	316226	1,18	up
6491595	7359554	1768665	kinesin light chain 4	Klc4	316226	1,16	down
6423108	7359554	1768666	kinesin light chain 4	Klc4	316226	1,16	down
6679249	7359554	1768650	kinesin light chain 4	Klc4	316226	1,10	down
6341849	7359554	1768654	kinesin light chain 4	Klc4	316226	1,06	down
6279904	7359554	1768663	kinesin light chain 4	Klc4	316226	1,06	up
6282084	7359554	1768661	kinesin light chain 4	Klc4	316226	1,05	up
5960839	7359554	1768651	kinesin light chain 4	Klc4	316226	1,05	up
5931865	7359554	1768659	kinesin light chain 4	Klc4	316226	1,04	down
6166030	7359554	1768664	kinesin light chain 4	Klc4	316226	1,02	up
5875870	7359554	1768658	kinesin light chain 4	Klc4	316226	1,00	down
6467569	7102113	1132802	kinetochore associated 1	Kntc1	304477	2,60	down
5738578	7102113	1132799	kinetochore associated 1	Kntc1	304477	2,41	down
5697786	7102113	1132824	kinetochore associated 1	Kntc1	304477	1,90	down
6633492	7102113	1132804	kinetochore associated 1	Kntc1	304477	1,87	down
6332736	7102113	1132796	kinetochore associated 1	Kntc1	304477	1,78	down
5636159	7102113	1132844	kinetochore associated 1	Kntc1	304477	1,62	up
6712800	7102113	1132794	kinetochore associated 1	Kntc1	304477	1,61	up
6264939	7102113	1132812	kinetochore associated 1	Kntc1	304477	1,48	down
6134735	7102113	1132851	kinetochore associated 1	Kntc1	304477	1,42	down
5887379	7102113	1132792	kinetochore associated 1	Kntc1	304477	1,42	down
5731649	7102113	1132816	kinetochore associated 1	Kntc1	304477	1,42	up
6239657	7102113	1132817	kinetochore associated 1	Kntc1	304477	1,40	down
6528080	7102113	1132823	kinetochore associated 1	Kntc1	304477	1,31	up

6380753	7102113	1132850	kinetochore associated 1	Kntc1	304477	1,31	down
6231926	7102113	1132822	kinetochore associated 1	Kntc1	304477	1,30	down
5956305	7102113	1132848	kinetochore associated 1	Kntc1	304477	1,30	down
6410920	7102113	1132826	kinetochore associated 1	Kntc1	304477	1,29	down
6096251	7102113	1132809	kinetochore associated 1	Kntc1	304477	1,29	up
6598333	7102113	1132807	kinetochore associated 1	Kntc1	304477	1,28	down
6475953	7102113	1132806	kinetochore associated 1	Kntc1	304477	1,26	down
6730513	7102113	1132811	kinetochore associated 1	Kntc1	304477	1,26	down
6404139	7102113	1132834	kinetochore associated 1	Kntc1	304477	1,25	down
5763593	7102113	1132805	kinetochore associated 1	Kntc1	304477	1,25	down
6361982	7102113	1132814	kinetochore associated 1	Kntc1	304477	1,22	down
5916259	7102113	1132790	kinetochore associated 1	Kntc1	304477	1,20	down
5879018	7102113	1132846	kinetochore associated 1	Kntc1	304477	1,18	down
5955797	7102113	1132832	kinetochore associated 1	Kntc1	304477	1,18	down
5709465	7102113	1132830	kinetochore associated 1	Kntc1	304477	1,16	up
6624343	7102113	1132821	kinetochore associated 1	Kntc1	304477	1,15	down
6180310	7102113	1132787	kinetochore associated 1	Kntc1	304477	1,14	up
6595382	7102113	1132789	kinetochore associated 1	Kntc1	304477	1,13	up
6437085	7102113	1132797	kinetochore associated 1	Kntc1	304477	1,13	up
6368074	7102113	1132818	kinetochore associated 1	Kntc1	304477	1,12	down
6225781	7102113	1132828	kinetochore associated 1	Kntc1	304477	1,12	up
5810851	7102113	1132842	kinetochore associated 1	Kntc1	304477	1,11	up
5738793	7102113	1132843	kinetochore associated 1	Kntc1	304477	1,11	up
6323436	7102113	1132838	kinetochore associated 1	Kntc1	304477	1,10	down
6709889	7102113	1132836	kinetochore associated 1	Kntc1	304477	1,10	up
6484736	7102113	1132833	kinetochore associated 1	Kntc1	304477	1,10	down
6281190	7102113	1132831	kinetochore associated 1	Kntc1	304477	1,10	down
6243313	7102113	1132785	kinetochore associated 1	Kntc1	304477	1,10	up
6141397	7102113	1132842	kinetochore associated 1	Kntc1	304477	1,10	down
6546496	7102113	1132827	kinetochore associated 1	Kntc1	304477	1,08	down
6063602	7102113	1132849	kinetochore associated 1	Kntc1	304477	1,07	down
5841819	7102113	1132825	kinetochore associated 1	Kntc1	304477	1,07	down
6168210	7102113	1132788	kinetochore associated 1	Kntc1	304477	1,07	up
6642126	7102113	1132826	kinetochore associated 1	Kntc1	304477	1,07	down
5921868	7102113	1132847	kinetochore associated 1	Kntc1	304477	1,06	up
5877156	7102113	1132828	kinetochore associated 1	Kntc1	304477	1,05	up
6066190	7102113	1132820	kinetochore associated 1	Kntc1	304477	1,05	down
6605945	7102113	1132793	kinetochore associated 1	Kntc1	304477	1,05	down
6519393	7102113	1132795	kinetochore associated 1	Kntc1	304477	1,04	down
6416684	7102113	1132819	kinetochore associated 1	Kntc1	304477	1,04	down
6694906	7102113	1132852	kinetochore associated 1	Kntc1	304477	1,04	down
6056875	7102113	1132836	kinetochore associated 1	Kntc1	304477	1,04	down
6320390	7102113	1132803	kinetochore associated 1	Kntc1	304477	1,04	up
5861828	7102113	1132829	kinetochore associated 1	Kntc1	304477	1,02	up
5899161	7102113	1132810	kinetochore associated 1	Kntc1	304477	1,02	down
6736849	7102113	1132837	kinetochore associated 1	Kntc1	304477	1,01	down
6041665	7102113	1132800	kinetochore associated 1	Kntc1	304477	1,01	down
6724955	7102113	1132815	kinetochore associated 1	Kntc1	304477	1,00	up
5699521	7314316	1657933	KIT ligand	Kitlg	60427	2,25	down
5622635	7314316	1657925	KIT ligand	Kitlg	60427	2,05	down
6132415	7314316	1657928	KIT ligand	Kitlg	60427	1,46	up
6185781	7314316	1657926	KIT ligand	Kitlg	60427	1,40	up
5943058	7314316	1657929	KIT ligand	Kitlg	60427	1,25	up
6690842	7314316	1657935	KIT ligand	Kitlg	60427	1,20	up
5762732	7314316	1657930	KIT ligand	Kitlg	60427	1,17	down
6475667	7314316	1657934	KIT ligand	Kitlg	60427	1,15	down
5910925	7314316	1657935	KIT ligand	Kitlg	60427	1,15	down

6305879	7314316	1657931	KIT ligand	Kitlg	60427	1,14	up
6256647	7314316	1657932	KIT ligand	Kitlg	60427	1,14	down
6598598	7314316	1657927	KIT ligand	Kitlg	60427	1,03	up
6144230	7289069	1594397	KN motif and ankyrin repeat domains 4	Kank4	313385	1,53	up
5796720	7289069	1594398	KN motif and ankyrin repeat domains 4	Kank4	313385	1,44	up
6052845	7289069	1594392	KN motif and ankyrin repeat domains 4	Kank4	313385	1,26	up
5784466	7289069	1594400	KN motif and ankyrin repeat domains 4	Kank4	313385	1,19	up
6144788	7289069	1594401	KN motif and ankyrin repeat domains 4	Kank4	313385	1,17	down
6424277	7289069	1594395	KN motif and ankyrin repeat domains 4	Kank4	313385	1,14	down
6720355	7289069	1594405	KN motif and ankyrin repeat domains 4	Kank4	313385	1,11	up
6518856	7289069	1594394	KN motif and ankyrin repeat domains 4	Kank4	313385	1,06	down
5839540	7289069	1594402	KN motif and ankyrin repeat domains 4	Kank4	313385	1,04	down
6242171	7289069	1594392	KN motif and ankyrin repeat domains 4	Kank4	313385	1,01	down
6346726	7253408	1505932	KRAB-A domain containing 1	Krba1	362358	1,11	down
5689610	7253408	1505932	KRAB-A domain containing 1	Krba1	362358	1,10	up
5755244	7253408	1505954	KRAB-A domain containing 1	Krba1	362358	1,10	down
6360184	7261592	1526852	KRIT1, ankyrin repeat containing	Krit1	362317	1,45	down
6707379	7261592	1526841	KRIT1, ankyrin repeat containing	Krit1	362317	1,37	up
6304740	7261592	1526844	KRIT1, ankyrin repeat containing	Krit1	362317	1,36	down
5922063	7261592	1526854	KRIT1, ankyrin repeat containing	Krit1	362317	1,32	up
6032583	7261592	1526839	KRIT1, ankyrin repeat containing	Krit1	362317	1,27	up
6234477	7261592	1526847	KRIT1, ankyrin repeat containing	Krit1	362317	1,24	down
6253483	7261592	1526843	KRIT1, ankyrin repeat containing	Krit1	362317	1,23	up
6411693	7261592	1526849	KRIT1, ankyrin repeat containing	Krit1	362317	1,22	up
6321510	7261592	1526840	KRIT1, ankyrin repeat containing	Krit1	362317	1,21	down
5866324	7261592	1526845	KRIT1, ankyrin repeat containing	Krit1	362317	1,15	up
6494520	7261592	1526836	KRIT1, ankyrin repeat containing	Krit1	362317	1,11	up
6293750	7261592	1526848	KRIT1, ankyrin repeat containing	Krit1	362317	1,10	down
6221866	7261592	1526850	KRIT1, ankyrin repeat containing	Krit1	362317	1,09	down
6463980	7261592	1526853	KRIT1, ankyrin repeat containing	Krit1	362317	1,04	up
6494987	7261592	1526837	KRIT1, ankyrin repeat containing	Krit1	362317	1,03	down
6090626	7261592	1526843	KRIT1, ankyrin repeat containing	Krit1	362317	1,03	down
6074273	7261592	1526851	KRIT1, ankyrin repeat containing	Krit1	362317	1,01	down
5821797	7261592	1526857	KRIT1, ankyrin repeat containing	Krit1	362317	1,00	up
5844441	7141061	1228646	Kruppel-like factor 12	Klf12	306110	1,51	up
5885458	7141061	1228645	Kruppel-like factor 12	Klf12	306110	1,41	up
6085448	7141061	1228645	Kruppel-like factor 12	Klf12	306110	1,39	up
6360035	7141061	1228719	Kruppel-like factor 12	Klf12	306110	1,28	down
6302285	7141061	1228644	Kruppel-like factor 12	Klf12	306110	1,27	down
5967203	7141061	1228679	Kruppel-like factor 12	Klf12	306110	1,27	up
6137572	7141061	1228645	Kruppel-like factor 12	Klf12	306110	1,20	down
6023906	7141061	1228709	Kruppel-like factor 12	Klf12	306110	1,19	up
6202705	7141061	1228700	Kruppel-like factor 12	Klf12	306110	1,08	up
5753518	7141061	1228648	Kruppel-like factor 12	Klf12	306110	1,06	up
6727013	7141061	1228687	Kruppel-like factor 12	Klf12	306110	1,06	down
6227837	7141061	1228668	Kruppel-like factor 12	Klf12	306110	1,03	down
6028890	7149521	1249827	Kruppel-like factor 2 (lung)	Klf2	306330	2,32	up
6690360	7149521	1249826	Kruppel-like factor 2 (lung)	Klf2	306330	1,30	up
6238838	7149521	1249828	Kruppel-like factor 2 (lung)	Klf2	306330	1,27	down
6424368	7149521	1249826	Kruppel-like factor 2 (lung)	Klf2	306330	1,09	up
6355387	7149521	1249827	Kruppel-like factor 2 (lung)	Klf2	306330	1,07	up
6184381	7149521	1249827	Kruppel-like factor 2 (lung)	Klf2	306330	1,02	up
6665352	7134502	1212365	Kruppel-like factor 5	Klf5	84410	2,51	up
6736781	7134502	1212364	Kruppel-like factor 5	Klf5	84410	2,45	down
6061838	7134502	1212366	Kruppel-like factor 5	Klf5	84410	2,06	up
5746655	7134502	1212367	Kruppel-like factor 5	Klf5	84410	1,47	down
6659288	7134502	1212365	Kruppel-like factor 5	Klf5	84410	1,45	up

6357287	7166280	1289725	Kruppel-like factor 6	Klf6	58954	2,22	down
6280446	7166280	1289728	Kruppel-like factor 6	Klf6	58954	1,38	up
5789286	7166280	1289725	Kruppel-like factor 6	Klf6	58954	1,32	down
6016178	7166280	1289724	Kruppel-like factor 6	Klf6	58954	1,18	up
5759124	7166280	1289729	Kruppel-like factor 6	Klf6	58954	1,14	up
6470750	7166280	1289726	Kruppel-like factor 6	Klf6	58954	1,13	down
6693689	7166280	1289725	Kruppel-like factor 6	Klf6	58954	1,09	down
5873800	7166280	1289727	Kruppel-like factor 6	Klf6	58954	1,05	down
5994313	7244553	1484648	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	2,40	up
6100433	7244553	1484646	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	2,12	up
5771775	7244553	1484647	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	1,42	down
5735074	7244553	1484651	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	1,36	up
5746013	7244553	1484650	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	1,21	up
6290863	7244553	1484645	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	1,12	down
6141662	7244553	1484644	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	1,07	down
5680316	7244553	1484649	Kv channel interacting protein 3, calsenilin	Kcnip3	65199	1,07	up
6253430	7063140	1039027	Kv channel-interacting protein 2	Kcnip2	56817	2,44	up
6041780	7063140	1039037	Kv channel-interacting protein 2	Kcnip2	56817	1,70	down
6459080	7063140	1039029	Kv channel-interacting protein 2	Kcnip2	56817	1,46	down
5778153	7063140	1039028	Kv channel-interacting protein 2	Kcnip2	56817	1,38	down
6491972	7063140	1039033	Kv channel-interacting protein 2	Kcnip2	56817	1,35	up
6044243	7063140	1039034	Kv channel-interacting protein 2	Kcnip2	56817	1,21	up
6349941	7063140	1039027	Kv channel-interacting protein 2	Kcnip2	56817	1,17	up
5749471	7063140	1039032	Kv channel-interacting protein 2	Kcnip2	56817	1,15	down
5662150	7063140	1039035	Kv channel-interacting protein 2	Kcnip2	56817	1,14	down
6708534	7063140	1039036	Kv channel-interacting protein 2	Kcnip2	56817	1,10	up
6519233	7063140	1039031	Kv channel-interacting protein 2	Kcnip2	56817	1,08	down
6489007	7063140	1039030	Kv channel-interacting protein 2	Kcnip2	56817	1,00	down
6525563	7025670	950426	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	2,17	down
6134888	7025670	950439	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,90	up
6594350	7025670	950435	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,84	down
5725293	7025670	950407	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,68	up
6125663	7025670	950411	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,45	up
6560016	7025670	950428	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,34	up
6430336	7025670	950442	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,31	down
6470499	7025670	950418	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,26	up
5966834	7025670	950440	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,25	down
6216141	7025670	950441	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,23	down
5869486	7025670	950434	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,23	down
5791650	7025670	950417	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,22	down
6202946	7025670	950439	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,19	up
5967518	7025670	950423	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,19	down
5760915	7025670	950438	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,16	up
5846536	7025670	950414	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,15	up
5664700	7025670	950415	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,11	up
6732381	7025670	950443	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,10	up
5972676	7025670	950432	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,09	up
5736644	7025670	950420	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,05	down
6045029	7025670	950416	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,04	up
6208343	7025670	950421	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,04	down
6592229	7025670	950429	l(3)mbt-like 3 (Drosophila)	L3mbtl3	309550	1,02	down
6029717	7384956	1831736	L1 cell adhesion molecule	L1cam	50687	2,28	up
6023700	7384956	1831729	L1 cell adhesion molecule	L1cam	50687	1,65	up
6564135	7384956	1831721	L1 cell adhesion molecule	L1cam	50687	1,55	down
6436783	7384956	1831733	L1 cell adhesion molecule	L1cam	50687	1,49	up
6269718	7384956	1831732	L1 cell adhesion molecule	L1cam	50687	1,32	down
6466161	7384956	1831742	L1 cell adhesion molecule	L1cam	50687	1,30	up

6019744	7384956	1831731	L1 cell adhesion molecule	L1cam	50687	1,28	down
6010452	7384956	1831725	L1 cell adhesion molecule	L1cam	50687	1,27	down
6076648	7384956	1831724	L1 cell adhesion molecule	L1cam	50687	1,25	up
5934698	7384956	1831737	L1 cell adhesion molecule	L1cam	50687	1,24	up
6620909	7384956	1831722	L1 cell adhesion molecule	L1cam	50687	1,24	up
5854961	7384956	1831723	L1 cell adhesion molecule	L1cam	50687	1,22	down
5824066	7384956	1831717	L1 cell adhesion molecule	L1cam	50687	1,21	down
5793390	7384956	1831741	L1 cell adhesion molecule	L1cam	50687	1,20	down
5682561	7384956	1831738	L1 cell adhesion molecule	L1cam	50687	1,18	up
6268314	7384956	1831728	L1 cell adhesion molecule	L1cam	50687	1,15	down
5873326	7384956	1831719	L1 cell adhesion molecule	L1cam	50687	1,14	down
6215946	7384956	1831739	L1 cell adhesion molecule	L1cam	50687	1,13	up
5819789	7384956	1831734	L1 cell adhesion molecule	L1cam	50687	1,12	up
6608088	7384956	1831722	L1 cell adhesion molecule	L1cam	50687	1,10	up
5665377	7384956	1831720	L1 cell adhesion molecule	L1cam	50687	1,10	up
6082783	7384956	1831729	L1 cell adhesion molecule	L1cam	50687	1,09	down
6127858	7384956	1831740	L1 cell adhesion molecule	L1cam	50687	1,09	down
6122686	7384956	1831718	L1 cell adhesion molecule	L1cam	50687	1,05	down
6353696	7384956	1831727	L1 cell adhesion molecule	L1cam	50687	1,05	down
5987327	7384956	1831726	L1 cell adhesion molecule	L1cam	50687	1,05	up
6165392	7384956	1831716	L1 cell adhesion molecule	L1cam	50687	1,05	up
6535801	7384956	1831742	L1 cell adhesion molecule	L1cam	50687	1,04	up
6023163	7384956	1831728	L1 cell adhesion molecule	L1cam	50687	1,03	down
6680119	7384956	1831735	L1 cell adhesion molecule	L1cam	50687	1,01	down
6563320	7384956	1831730	L1 cell adhesion molecule	L1cam	50687	1,00	down
6316296	7067828	1050799	La ribonucleoprotein domain family, member 1	Larp1	303158	1,52	down
6631595	7067828	1050799	La ribonucleoprotein domain family, member 1	Larp1	303158	1,17	down
5757123	7067828	1050799	La ribonucleoprotein domain family, member 1	Larp1	303158	1,02	down
6475423	7340766	1721949	lactotransferrin	Ltf	301034	2,24	up
6207589	7340766	1721945	lactotransferrin	Ltf	301034	1,89	down
5767808	7340766	1721951	lactotransferrin	Ltf	301034	1,50	down
5677179	7340766	1721954	lactotransferrin	Ltf	301034	1,41	up
6280052	7340766	1721955	lactotransferrin	Ltf	301034	1,30	down
6541328	7340766	1721953	lactotransferrin	Ltf	301034	1,29	up
6330829	7340766	1721942	lactotransferrin	Ltf	301034	1,25	down
6397718	7340766	1721948	lactotransferrin	Ltf	301034	1,22	up
6050260	7340766	1721958	lactotransferrin	Ltf	301034	1,21	up
5907808	7340766	1721950	lactotransferrin	Ltf	301034	1,21	down
5931944	7340766	1721957	lactotransferrin	Ltf	301034	1,21	down
6078164	7340766	1721958	lactotransferrin	Ltf	301034	1,20	up
6271126	7340766	1721952	lactotransferrin	Ltf	301034	1,14	down
6441923	7340766	1721943	lactotransferrin	Ltf	301034	1,14	down
6736043	7340766	1721947	lactotransferrin	Ltf	301034	1,07	up
5669572	7340766	1721944	lactotransferrin	Ltf	301034	1,04	up
5884669	7340766	1721940	lactotransferrin	Ltf	301034	1,04	up
6281574	7340766	1721959	lactotransferrin	Ltf	301034	1,04	up
6297625	7340766	1721948	lactotransferrin	Ltf	301034	1,03	down
6523599	7340766	1721946	lactotransferrin	Ltf	301034	1,02	down
6483840	7340766	1721949	lactotransferrin	Ltf	301034	1,02	down
6488580	7105449	1141134	ladinin 1	Lad1	313325	1,44	down
6303329	7105449	1141130	ladinin 1	Lad1	313325	1,29	up
6012082	7105449	1141134	ladinin 1	Lad1	313325	1,22	up
6424075	7105449	1141128	ladinin 1	Lad1	313325	1,16	up
6179528	7105449	1141126	ladinin 1	Lad1	313325	1,12	up
5643674	7105449	1141134	ladinin 1	Lad1	313325	1,10	up
6580281	7105449	1141134	ladinin 1	Lad1	313325	1,08	down
6357114	7105449	1141133	ladinin 1	Lad1	313325	1,06	up

6041463	7105449	1141130	ladinin 1	Lad1	313325	1,06	down
6253683	7105449	1141127	ladinin 1	Lad1	313325	1,06	up
5960591	7105449	1141132	ladinin 1	Lad1	313325	1,04	up
6100478	7105449	1141127	ladinin 1	Lad1	313325	1,04	up
5741215	7105449	1141129	ladinin 1	Lad1	313325	1,02	up
5966384	7105449	1141134	ladinin 1	Lad1	313325	1,00	up
6408125	7210664	1400664	lamin A	Lmna	60374	2,14	down
6339725	7210664	1400676	lamin A	Lmna	60374	1,75	down
5903132	7210664	1400665	lamin A	Lmna	60374	1,46	down
6624722	7210664	1400672	lamin A	Lmna	60374	1,45	up
5822286	7210664	1400664	lamin A	Lmna	60374	1,40	down
6200751	7210664	1400666	lamin A	Lmna	60374	1,33	down
6559901	7210664	1400671	lamin A	Lmna	60374	1,31	up
6598164	7210664	1400676	lamin A	Lmna	60374	1,20	down
5632082	7210664	1400674	lamin A	Lmna	60374	1,16	up
6395250	7210664	1400675	lamin A	Lmna	60374	1,15	up
5749978	7210664	1400664	lamin A	Lmna	60374	1,10	down
6084381	7210664	1400670	lamin A	Lmna	60374	1,08	up
6199493	7210664	1400665	lamin A	Lmna	60374	1,07	up
6607551	7210664	1400668	lamin A	Lmna	60374	1,05	down
6212722	7210664	1400669	lamin A	Lmna	60374	1,03	down
6360525	7210664	1400667	lamin A	Lmna	60374	1,02	up
5838108	7210664	1400673	lamin A	Lmna	60374	1,02	up
6046643	7210664	1400676	lamin A	Lmna	60374	1,01	up
6599563	7358623	1766247	laminin, alpha 1	Lama1	316758	2,16	down
6681138	7358623	1766264	laminin, alpha 1	Lama1	316758	2,13	up
6470483	7358623	1766299	laminin, alpha 1	Lama1	316758	1,76	up
5930077	7358623	1766248	laminin, alpha 1	Lama1	316758	1,75	down
5834216	7358623	1766282	laminin, alpha 1	Lama1	316758	1,60	down
6043330	7358623	1766301	laminin, alpha 1	Lama1	316758	1,55	up
6066326	7358623	1766255	laminin, alpha 1	Lama1	316758	1,53	up
5794097	7358623	1766259	laminin, alpha 1	Lama1	316758	1,53	up
6362044	7358623	1766293	laminin, alpha 1	Lama1	316758	1,49	down
5769353	7358623	1766285	laminin, alpha 1	Lama1	316758	1,41	down
6613934	7358623	1766235	laminin, alpha 1	Lama1	316758	1,40	up
6008925	7358623	1766246	laminin, alpha 1	Lama1	316758	1,38	down
6432211	7358623	1766245	laminin, alpha 1	Lama1	316758	1,37	down
5917090	7358623	1766249	laminin, alpha 1	Lama1	316758	1,37	down
6101098	7358623	1766273	laminin, alpha 1	Lama1	316758	1,35	down
5919580	7358623	1766268	laminin, alpha 1	Lama1	316758	1,34	up
6371915	7358623	1766289	laminin, alpha 1	Lama1	316758	1,33	down
6650520	7358623	1766228	laminin, alpha 1	Lama1	316758	1,32	down
6372275	7358623	1766297	laminin, alpha 1	Lama1	316758	1,31	up
6454929	7358623	1766271	laminin, alpha 1	Lama1	316758	1,30	down
6255998	7358623	1766227	laminin, alpha 1	Lama1	316758	1,28	up
6148189	7358623	1766305	laminin, alpha 1	Lama1	316758	1,28	down
6098480	7358623	1766267	laminin, alpha 1	Lama1	316758	1,27	up
6687681	7358623	1766278	laminin, alpha 1	Lama1	316758	1,27	down
5956110	7358623	1766262	laminin, alpha 1	Lama1	316758	1,26	up
6346246	7358623	1766275	laminin, alpha 1	Lama1	316758	1,24	down
5882015	7358623	1766294	laminin, alpha 1	Lama1	316758	1,24	down
6197447	7358623	1766239	laminin, alpha 1	Lama1	316758	1,23	down
6706525	7358623	1766283	laminin, alpha 1	Lama1	316758	1,21	down
5952264	7358623	1766248	laminin, alpha 1	Lama1	316758	1,21	up
6544412	7358623	1766277	laminin, alpha 1	Lama1	316758	1,20	down
6394869	7358623	1766300	laminin, alpha 1	Lama1	316758	1,17	up
5665304	7358623	1766280	laminin, alpha 1	Lama1	316758	1,17	down

6314169	7358623	1766250	laminin, alpha 1	Lama1	316758	1,16	up
5877894	7358623	1766271	laminin, alpha 1	Lama1	316758	1,15	down
5807196	7358623	1766258	laminin, alpha 1	Lama1	316758	1,15	up
6409411	7358623	1766244	laminin, alpha 1	Lama1	316758	1,14	down
6019379	7358623	1766262	laminin, alpha 1	Lama1	316758	1,13	down
5804810	7358623	1766291	laminin, alpha 1	Lama1	316758	1,13	down
6628945	7358623	1766241	laminin, alpha 1	Lama1	316758	1,13	down
6037784	7358623	1766304	laminin, alpha 1	Lama1	316758	1,12	up
6244177	7358623	1766240	laminin, alpha 1	Lama1	316758	1,11	up
5730380	7358623	1766288	laminin, alpha 1	Lama1	316758	1,11	down
6051684	7358623	1766260	laminin, alpha 1	Lama1	316758	1,10	down
5930980	7358623	1766263	laminin, alpha 1	Lama1	316758	1,10	up
5900262	7358623	1766296	laminin, alpha 1	Lama1	316758	1,10	down
5917450	7358623	1766287	laminin, alpha 1	Lama1	316758	1,09	down
5799246	7358623	1766276	laminin, alpha 1	Lama1	316758	1,09	up
6252328	7358623	1766265	laminin, alpha 1	Lama1	316758	1,08	up
5771197	7358623	1766298	laminin, alpha 1	Lama1	316758	1,08	down
6508730	7358623	1766251	laminin, alpha 1	Lama1	316758	1,07	up
5703347	7358623	1766270	laminin, alpha 1	Lama1	316758	1,07	up
6404872	7358623	1766275	laminin, alpha 1	Lama1	316758	1,07	up
5674321	7358623	1766236	laminin, alpha 1	Lama1	316758	1,06	up
6230164	7358623	1766290	laminin, alpha 1	Lama1	316758	1,06	down
5693949	7358623	1766305	laminin, alpha 1	Lama1	316758	1,06	down
5807297	7358623	1766305	laminin, alpha 1	Lama1	316758	1,05	down
5633483	7358623	1766281	laminin, alpha 1	Lama1	316758	1,05	up
6442787	7358623	1766272	laminin, alpha 1	Lama1	316758	1,04	up
6292839	7358623	1766256	laminin, alpha 1	Lama1	316758	1,04	up
6699358	7358623	1766261	laminin, alpha 1	Lama1	316758	1,04	down
5756389	7358623	1766284	laminin, alpha 1	Lama1	316758	1,03	up
6422018	7358623	1766269	laminin, alpha 1	Lama1	316758	1,03	down
6726345	7358623	1766256	laminin, alpha 1	Lama1	316758	1,03	down
5653247	7358623	1766265	laminin, alpha 1	Lama1	316758	1,03	up
6065005	7358623	1766266	laminin, alpha 1	Lama1	316758	1,03	up
5902560	7358623	1766286	laminin, alpha 1	Lama1	316758	1,02	down
5993295	7358623	1766258	laminin, alpha 1	Lama1	316758	1,02	down
5676497	7358623	1766253	laminin, alpha 1	Lama1	316758	1,02	up
5952072	7358623	1766274	laminin, alpha 1	Lama1	316758	1,01	up
6339632	7358623	1766292	laminin, alpha 1	Lama1	316758	1,00	down
5800274	7358623	1766295	laminin, alpha 1	Lama1	316758	1,00	up
6632131	7248790	1494501	laminin, alpha 5	Lama5	140433	1,46	up
5671617	7248790	1494501	laminin, alpha 5	Lama5	140433	1,40	up
6079005	7248790	1494502	laminin, alpha 5	Lama5	140433	1,38	down
5876580	7248790	1494500	laminin, alpha 5	Lama5	140433	1,20	down
6012919	7248790	1494501	laminin, alpha 5	Lama5	140433	1,15	up
5929759	7109292	1150733	laminin, beta 3	Lamb3	305078	1,71	up
6144689	7109292	1150732	laminin, beta 3	Lamb3	305078	1,70	up
6344999	7109292	1150732	laminin, beta 3	Lamb3	305078	1,24	down
5960854	7109292	1150734	laminin, beta 3	Lamb3	305078	1,08	up
5865871	7138580	1222516	large tumor suppressor 2	Lats2	305922	1,51	down
5787956	7138580	1222519	large tumor suppressor 2	Lats2	305922	1,50	down
6065275	7138580	1222510	large tumor suppressor 2	Lats2	305922	1,50	down
6395572	7138580	1222510	large tumor suppressor 2	Lats2	305922	1,46	down
5671814	7138580	1222514	large tumor suppressor 2	Lats2	305922	1,45	up
6497011	7138580	1222519	large tumor suppressor 2	Lats2	305922	1,44	down
5842484	7138580	1222513	large tumor suppressor 2	Lats2	305922	1,37	down
5836408	7138580	1222512	large tumor suppressor 2	Lats2	305922	1,33	down
6161490	7138580	1222514	large tumor suppressor 2	Lats2	305922	1,17	up

6338848	7138580	1222511	large tumor suppressor 2	Lats2	305922	1,15	down
5876715	7138580	1222510	large tumor suppressor 2	Lats2	305922	1,06	up
6632603	7303587	1631222	latent transforming growth factor beta binding protein 1	Ltbp1	59107	3,21	up
5830893	7303587	1631225	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,66	up
6108225	7303587	1631210	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,65	down
6321122	7303587	1631226	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,61	down
6320775	7303587	1631212	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,44	down
6315431	7303587	1631226	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,36	down
6526453	7303587	1631207	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,33	down
6558117	7303587	1631198	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,28	down
5803235	7303587	1631211	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,26	up
6382755	7303587	1631195	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,26	up
5812114	7303587	1631220	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,22	down
5634681	7303587	1631222	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,21	up
6359407	7303587	1631214	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,19	up
5985764	7303587	1631200	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,16	down
6731112	7303587	1631213	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,16	up
6152830	7303587	1631203	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,16	down
6394344	7303587	1631215	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,15	up
5641436	7303587	1631208	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,14	down
6456739	7303587	1631194	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,13	up
5705046	7303587	1631216	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,13	down
6634357	7303587	1631197	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,13	down
6435606	7303587	1631218	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,11	down
5768222	7303587	1631209	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,11	up
5977606	7303587	1631206	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,08	up
5782437	7303587	1631216	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,07	down
6360861	7303587	1631201	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,07	down
6177155	7303587	1631196	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,07	down
6648260	7303587	1631202	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,06	down
6364479	7303587	1631221	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,05	down
6101540	7303587	1631226	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,05	down
6093331	7303587	1631204	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,05	down
5702987	7303587	1631219	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,04	up
5942731	7303587	1631217	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,04	up
6624556	7303587	1631226	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,04	up
6509685	7303587	1631227	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,03	up
6192378	7303587	1631223	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,03	up
5755652	7303587	1631199	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,03	up
5824454	7303587	1631205	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,02	down
5672749	7303587	1631224	latent transforming growth factor beta binding protein 1	Ltbp1	59107	1,01	up
6023729	7308754	1644460	latent transforming growth factor beta binding protein 2	Ltbp2	59106	2,45	up
5695205	7308754	1644451	latent transforming growth factor beta binding protein 2	Ltbp2	59106	2,40	up
6028148	7308754	1644466	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,75	down
6093469	7308754	1644442	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,63	down
5859117	7308754	1644454	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,54	down
5850378	7308754	1644461	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,52	down
6304858	7308754	1644457	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,43	down
5833838	7308754	1644467	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,32	up
6313877	7308754	1644456	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,31	down
5877192	7308754	1644452	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,28	up
6485827	7308754	1644450	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,24	up
6394940	7308754	1644458	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,24	up
5913494	7308754	1644462	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,21	down
5941272	7308754	1644453	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,20	up
5674176	7308754	1644463	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,20	down
5645001	7308754	1644440	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,20	up

6482195	7308754	1644443	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,17	up
6169591	7308754	1644436	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,15	down
5833073	7308754	1644439	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,14	up
6277915	7308754	1644437	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,11	up
6668701	7308754	1644464	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,10	down
6122383	7308754	1644434	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,08	up
6208447	7308754	1644449	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,08	up
6340367	7308754	1644455	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,07	down
6157849	7308754	1644459	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,05	up
6270612	7308754	1644448	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,05	up
5708585	7308754	1644465	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,05	down
6485078	7308754	1644438	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,03	up
6635559	7308754	1644447	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,03	down
6670414	7308754	1644462	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,03	down
5879287	7308754	1644435	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,02	up
6644245	7308754	1644445	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,02	up
6043129	7308754	1644444	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,02	up
6693816	7308754	1644441	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,01	down
6693993	7308754	1644446	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,01	up
6548789	7308754	1644456	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,01	up
6498879	7308754	1644467	latent transforming growth factor beta binding protein 2	Ltbp2	59106	1,00	up
6537695	7039223	983559	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,62	down
6568422	7039223	983558	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,28	up
5876702	7039223	983557	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,19	down
6138868	7039223	983557	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,11	up
6128071	7039223	983557	latent transforming growth factor beta binding protein 3	Ltbp3	83838	1,07	down
5684164	7124489	1188093	latrophilin 3	Lphn3	170641	2,13	up
6467736	7124489	1188094	latrophilin 3	Lphn3	170641	1,61	up
5667260	7124489	1188092	latrophilin 3	Lphn3	170641	1,46	up
6374239	7124489	1188085	latrophilin 3	Lphn3	170641	1,46	up
6428675	7124489	1188088	latrophilin 3	Lphn3	170641	1,46	up
6368484	7124489	1188078	latrophilin 3	Lphn3	170641	1,45	down
6743697	7124489	1188090	latrophilin 3	Lphn3	170641	1,43	up
6115722	7124489	1188081	latrophilin 3	Lphn3	170641	1,41	up
6208095	7124489	1188098	latrophilin 3	Lphn3	170641	1,37	down
6354004	7124489	1188079	latrophilin 3	Lphn3	170641	1,36	up
6715209	7124489	1188080	latrophilin 3	Lphn3	170641	1,34	up
6652980	7124489	1188100	latrophilin 3	Lphn3	170641	1,29	down
5829850	7124489	1188102	latrophilin 3	Lphn3	170641	1,29	down
5794028	7124489	1188096	latrophilin 3	Lphn3	170641	1,29	down
6409772	7124489	1188078	latrophilin 3	Lphn3	170641	1,28	down
5955678	7124489	1188103	latrophilin 3	Lphn3	170641	1,25	up
6140564	7124489	1188087	latrophilin 3	Lphn3	170641	1,23	down
6467431	7124489	1188104	latrophilin 3	Lphn3	170641	1,22	up
6460857	7124489	1188082	latrophilin 3	Lphn3	170641	1,14	down
6387412	7124489	1188104	latrophilin 3	Lphn3	170641	1,12	up
6559935	7124489	1188083	latrophilin 3	Lphn3	170641	1,10	down
6454665	7124489	1188101	latrophilin 3	Lphn3	170641	1,09	down
5912124	7124489	1188095	latrophilin 3	Lphn3	170641	1,08	down
6108076	7124489	1188099	latrophilin 3	Lphn3	170641	1,08	up
6361466	7124489	1188093	latrophilin 3	Lphn3	170641	1,08	down
6014741	7124489	1188086	latrophilin 3	Lphn3	170641	1,08	up
6465689	7124489	1188097	latrophilin 3	Lphn3	170641	1,06	up
6225425	7124489	1188084	latrophilin 3	Lphn3	170641	1,04	up
6046555	7124489	1188091	latrophilin 3	Lphn3	170641	1,02	down
5943074	7124489	1188089	latrophilin 3	Lphn3	170641	1,02	down
6428314	7124489	1188100	latrophilin 3	Lphn3	170641	1,01	up

6507045	7346687	1736700	LBXCOR1 homolog (mouse)	Lbxcor1	315748	1,53	down
5641302	7348125	1740422	Leber congenital amaurosis 5 (human)	Lca5	300866	2,30	up
6744969	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,95	down
5916797	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,68	up
6430794	7348125	1740416	Leber congenital amaurosis 5 (human)	Lca5	300866	1,58	down
5969852	7348125	1740421	Leber congenital amaurosis 5 (human)	Lca5	300866	1,55	up
6577675	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,41	down
5993620	7348125	1740423	Leber congenital amaurosis 5 (human)	Lca5	300866	1,40	up
6141350	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,40	up
5861913	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,39	up
5878797	7348125	1740419	Leber congenital amaurosis 5 (human)	Lca5	300866	1,33	down
6736732	7348125	1740420	Leber congenital amaurosis 5 (human)	Lca5	300866	1,32	down
6406573	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,18	down
5884396	7348125	1740415	Leber congenital amaurosis 5 (human)	Lca5	300866	1,18	down
6073224	7348125	1740414	Leber congenital amaurosis 5 (human)	Lca5	300866	1,14	down
6303075	7348125	1740424	Leber congenital amaurosis 5 (human)	Lca5	300866	1,05	up
5694462	7348125	1740418	Leber congenital amaurosis 5 (human)	Lca5	300866	1,05	up
6248626	7348125	1740417	Leber congenital amaurosis 5 (human)	Lca5	300866	1,03	down
6732478	7348125	1740416	Leber congenital amaurosis 5 (human)	Lca5	300866	1,03	down
6170599	7348125	1740425	Leber congenital amaurosis 5 (human)	Lca5	300866	1,03	down
5691613	7348125	1740423	Leber congenital amaurosis 5 (human)	Lca5	300866	1,02	up
5966188	7080131	1079792	lectin, galactose binding, soluble 5	Lgals5	25475	2,38	up
6257488	7080131	1079794	lectin, galactose binding, soluble 5	Lgals5	25475	1,94	up
6337592	7080131	1079796	lectin, galactose binding, soluble 5	Lgals5	25475	1,91	down
5981956	7080131	1079795	lectin, galactose binding, soluble 5	Lgals5	25475	1,15	up
5620316	7080131	1079793	lectin, galactose binding, soluble 5	Lgals5	25475	1,07	down
6145439	7080134	1079805	lectin, galactoside-binding, soluble, 9	Lgals9	25476	3,63	down
5716369	7080134	1079804	lectin, galactoside-binding, soluble, 9	Lgals9	25476	3,50	up
6725448	7080134	1079810	lectin, galactoside-binding, soluble, 9	Lgals9	25476	2,52	down
5929969	7080134	1079810	lectin, galactoside-binding, soluble, 9	Lgals9	25476	2,32	down
5970110	7080134	1079800	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,91	up
5674768	7080134	1079807	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,59	up
6717738	7080134	1079808	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,50	down
6194270	7080134	1079802	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,28	down
5696134	7080134	1079803	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,16	up
6032786	7080134	1079801	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,09	down
6150360	7080134	1079809	lectin, galactoside-binding, soluble, 9	Lgals9	25476	1,06	down
5857702	7100307	1128398	lemur tyrosine kinase 2	Lmtk2	304286	1,58	up
6608260	7100307	1128408	lemur tyrosine kinase 2	Lmtk2	304286	1,36	up
5898299	7100307	1128403	lemur tyrosine kinase 2	Lmtk2	304286	1,30	up
5673991	7100307	1128393	lemur tyrosine kinase 2	Lmtk2	304286	1,12	up
6285056	7100307	1128402	lemur tyrosine kinase 2	Lmtk2	304286	1,11	up
6066627	7100307	1128391	lemur tyrosine kinase 2	Lmtk2	304286	1,11	down
6414644	7100307	1128390	lemur tyrosine kinase 2	Lmtk2	304286	1,11	down
6211437	7100307	1128408	lemur tyrosine kinase 2	Lmtk2	304286	1,10	up
6265169	7100307	1128399	lemur tyrosine kinase 2	Lmtk2	304286	1,08	down
6211774	7100307	1128395	lemur tyrosine kinase 2	Lmtk2	304286	1,05	down
6699152	7100307	1128401	lemur tyrosine kinase 2	Lmtk2	304286	1,05	down
6301051	7100307	1128400	lemur tyrosine kinase 2	Lmtk2	304286	1,02	up
5697150	7100307	1128388	lemur tyrosine kinase 2	Lmtk2	304286	1,02	down
6164261	7100307	1128387	lemur tyrosine kinase 2	Lmtk2	304286	1,01	up
5936574	7277745	1567233	leptin receptor	Lepr	24536	1,99	down
6211967	7277745	1567232	leptin receptor	Lepr	24536	1,55	up
5890414	7277745	1567231	leptin receptor	Lepr	24536	1,53	up
5618521	7277745	1567227	leptin receptor	Lepr	24536	1,50	up
5684413	7277745	1567221	leptin receptor	Lepr	24536	1,49	up
5826939	7277745	1567230	leptin receptor	Lepr	24536	1,39	down

6510961	7277745	1567229	leptin receptor	Lepr	24536	1,36	down
6716692	7277745	1567224	leptin receptor	Lepr	24536	1,31	up
6115388	7277745	1567220	leptin receptor	Lepr	24536	1,26	up
6691340	7277745	1567223	leptin receptor	Lepr	24536	1,22	up
6525817	7277745	1567225	leptin receptor	Lepr	24536	1,20	up
5943315	7277745	1567222	leptin receptor	Lepr	24536	1,18	down
5900566	7277745	1567219	leptin receptor	Lepr	24536	1,16	down
5858497	7277745	1567228	leptin receptor	Lepr	24536	1,16	up
6083002	7277745	1567225	leptin receptor	Lepr	24536	1,14	down
6360297	7277745	1567233	leptin receptor	Lepr	24536	1,13	down
5758362	7277745	1567234	leptin receptor	Lepr	24536	1,09	down
6259502	7277745	1567220	leptin receptor	Lepr	24536	1,06	down
6143612	7277745	1567226	leptin receptor	Lepr	24536	1,01	up
6597387	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	2,02	up
6213432	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,83	down
6183583	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,43	up
6695876	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,32	up
6074695	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,17	up
6531276	7277745	1567218	leptin receptor overlapping transcript	Leprot	56766	1,16	down
6075890	7277745	1567217	leptin receptor overlapping transcript	Leprot	56766	1,09	up
6051622	7277745	1567216	leptin receptor overlapping transcript	Leprot	56766	1,08	up
6632327	7277745	1567215	leptin receptor overlapping transcript	Leprot	56766	1,05	up
6044372	7277745	1567214	leptin receptor overlapping transcript /// leptin receptor	Leprot /// Lepr	56766 /// 24536	1,03	up
6601203	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	2,37	down
5956712	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	2,08	down
5865594	7357599	1763608	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,92	down
5792635	7357599	1763607	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,68	up
5982181	7357599	1763612	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,63	down
6124157	7357599	1763616	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,60	up
6719551	7357599	1763613	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,38	up
5760509	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,31	down
6606626	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,30	up
5919777	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,25	down
5643528	7357599	1763610	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,17	up
6457884	7357599	1763611	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,12	down
5994890	7357599	1763615	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,03	up
5626075	7357599	1763614	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,02	down
5670415	7357599	1763609	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,01	down
6311886	7357599	1763615	leucine rich repeat (in FLII) interacting protein 1	Lrrfip1	367314	1,00	up
6224998	7196769	1367278	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,65	down
5686982	7196769	1367277	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,47	down
6025624	7196769	1367266	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,40	down
6121238	7196769	1367265	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,36	up
5756242	7196769	1367276	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,27	down
6219418	7196769	1367268	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,14	up
6006809	7196769	1367269	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,09	down
5835907	7196769	1367267	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,09	up
6035218	7196769	1367261	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,07	down
5741970	7196769	1367277	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,07	down
6279073	7196769	1367276	leucine rich repeat and Ig domain containing 4	Lingo4	499668	1,01	up
5934831	7237699	1467384	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	2,00	up
6435261	7237699	1467371	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,82	down
6303742	7237699	1467397	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,66	down
5684275	7237699	1467378	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,65	down
6672400	7237699	1467381	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,55	up
6447362	7237699	1467391	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,52	down
5900624	7237699	1467396	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,52	down

6101111	7237699	1467374	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,50	down
6551117	7237699	1467389	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,49	up
6627023	7237699	1467371	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,35	up
6348109	7237699	1467399	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,35	down
6633928	7237699	1467400	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,31	down
5622342	7237699	1467387	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,26	up
6266014	7237699	1467382	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,26	up
6528664	7237699	1467375	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,23	down
5629660	7237699	1467372	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,22	down
6197862	7237699	1467383	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,19	down
5767510	7237699	1467373	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,17	up
6304845	7237699	1467386	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,17	down
5940556	7237699	1467376	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,13	up
6342844	7237699	1467388	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,12	up
6050371	7237699	1467377	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,08	up
5760086	7237699	1467385	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,08	up
5936941	7237699	1467401	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,07	up
6296634	7237699	1467395	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,06	down
5700104	7237699	1467401	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,05	down
6144617	7237699	1467394	leucine rich repeat and sterile alpha motif containing 1	Lrsam1	311866	1,05	down
6488372	7290174	1597130	leucine rich repeat containing 41	Lrrc41	362566	2,43	down
6429507	7290174	1597130	leucine rich repeat containing 41	Lrrc41	362566	1,42	up
6432989	7290174	1597125	leucine rich repeat containing 41	Lrrc41	362566	1,22	up
6359756	7290174	1597122	leucine rich repeat containing 41	Lrrc41	362566	1,19	down
6138510	7290174	1597120	leucine rich repeat containing 41	Lrrc41	362566	1,15	up
6362283	7290174	1597126	leucine rich repeat containing 41	Lrrc41	362566	1,15	down
5865738	7290174	1597128	leucine rich repeat containing 41	Lrrc41	362566	1,14	up
5932828	7290174	1597129	leucine rich repeat containing 41	Lrrc41	362566	1,08	down
6689647	7290174	1597124	leucine rich repeat containing 41	Lrrc41	362566	1,03	down
6602085	7290174	1597121	leucine rich repeat containing 41	Lrrc41	362566	1,03	up
6734608	7290174	1597123	leucine rich repeat containing 41	Lrrc41	362566	1,03	down
6151845	7290174	1597127	leucine rich repeat containing 41	Lrrc41	362566	1,01	up
6593567	7181584	1329415	leucine rich repeat containing 50	Lrrc50	361419	2,14	up
6492726	7181584	1329416	leucine rich repeat containing 50	Lrrc50	361419	1,79	down
6117261	7181584	1329407	leucine rich repeat containing 50	Lrrc50	361419	1,63	up
5932063	7181584	1329418	leucine rich repeat containing 50	Lrrc50	361419	1,35	down
6028591	7181584	1329410	leucine rich repeat containing 50	Lrrc50	361419	1,33	up
5691595	7181584	1329412	leucine rich repeat containing 50	Lrrc50	361419	1,32	up
5936375	7181584	1329413	leucine rich repeat containing 50	Lrrc50	361419	1,30	down
5990259	7181584	1329417	leucine rich repeat containing 50	Lrrc50	361419	1,20	down
6513686	7181584	1329414	leucine rich repeat containing 50	Lrrc50	361419	1,18	up
6652785	7181584	1329417	leucine rich repeat containing 50	Lrrc50	361419	1,12	down
5672560	7181584	1329411	leucine rich repeat containing 50	Lrrc50	361419	1,08	down
6237703	7181584	1329417	leucine rich repeat containing 50	Lrrc50	361419	1,08	down
5844773	7181584	1329408	leucine rich repeat containing 50	Lrrc50	361419	1,06	up
6263058	7181584	1329409	leucine rich repeat containing 50	Lrrc50	361419	1,03	up
6342356	7181584	1329417	leucine rich repeat containing 50	Lrrc50	361419	1,02	down
6076344	7241163	1476822	leucine rich repeat containing 55	Lrrc55	311171	1,90	up
6317124	7241163	1476823	leucine rich repeat containing 55	Lrrc55	311171	1,79	up
6064538	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,71	up
6094946	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,50	down
5805767	7241163	1476822	leucine rich repeat containing 55	Lrrc55	311171	1,44	down
5785236	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,12	up
5903329	7241163	1476820	leucine rich repeat containing 55	Lrrc55	311171	1,07	down
6309630	7241163	1476819	leucine rich repeat containing 55	Lrrc55	311171	1,06	down
6513574	7257038	1515288	leucine rich repeat neuronal 1	Lrrn1	500280	2,36	down
6018261	7257038	1515288	leucine rich repeat neuronal 1	Lrrn1	500280	1,77	down

6650684	7105057	1140309	leucine rich repeat neuronal 2	Lrrn2	289020	1,22	up
6336039	7255120	1510366	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	2,70	down
6436029	7255120	1510369	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	2,12	down
6478510	7255120	1510374	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,53	up
6463627	7255120	1510367	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,21	up
5918747	7255120	1510366	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,18	down
6491227	7255120	1510366	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,11	up
6675985	7255120	1510368	leucine rich repeat transmembrane neuronal 1	LRRTM1	679668	1,02	down
6595790	7302327	1627696	leucine zipper protein 5	Luzp5	362798	1,46	up
6725219	7302327	1627669	leucine zipper protein 5	Luzp5	362798	1,32	down
6258427	7120275	1178073	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	2,19	down
6234892	7120275	1178081	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,77	up
5824736	7120275	1178083	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,59	down
5966719	7120275	1178079	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,57	up
6536168	7120275	1178073	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,26	down
6003311	7120275	1178074	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,20	down
6116322	7120275	1178086	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,20	up
6246093	7120275	1178077	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,19	up
6742649	7120275	1178076	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,19	up
6732732	7120275	1178075	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,17	up
6538553	7120275	1178086	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,14	down
6312301	7120275	1178075	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,10	down
5995165	7120275	1178086	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,10	down
6030657	7120275	1178075	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,08	down
6744594	7120275	1178078	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,06	up
6110036	7120275	1178082	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,05	down
5828560	7120275	1178075	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,05	down
5994733	7120275	1178084	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,03	down
6744446	7120275	1178080	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,02	up
6058352	7120275	1178085	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,02	up
6632397	7120275	1178075	leucine zipper-EF-hand containing transmembrane protein 1	Letm1	305457	1,00	up
5781081	7052385	1014769	leucine-rich repeat kinase 1	Lrrk1	308703	3,57	up
5986973	7052385	1014770	leucine-rich repeat kinase 1	Lrrk1	308703	1,71	up
5830327	7052385	1014770	leucine-rich repeat kinase 1	Lrrk1	308703	1,25	down
6700621	7052385	1014816	leucine-rich repeat kinase 1	Lrrk1	308703	1,19	up
6428450	7052385	1014769	leucine-rich repeat kinase 1	Lrrk1	308703	1,03	up
5739317	7052385	1014770	leucine-rich repeat kinase 1	Lrrk1	308703	1,02	down
6610509	7052385	1014816	leucine-rich repeat kinase 1	Lrrk1	308703	1,01	down
6275849	7140113	1226072	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	2,32	up
6394000	7140113	1226089	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,78	down
6135163	7140113	1226077	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,60	up
6653709	7140113	1226061	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,51	down
6635526	7140113	1226074	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,48	up
6140819	7140113	1226046	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,46	up
6062388	7140113	1226067	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,42	up
6000783	7140113	1226046	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,41	down
6233365	7140113	1226073	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,38	up
6192717	7140113	1226062	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,26	up
6291083	7140113	1226071	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,22	up
6188854	7140113	1226069	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,21	up
6463975	7140113	1226058	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,19	up
6612775	7140113	1226049	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,18	up
6574775	7140113	1226052	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,16	down
6025874	7140113	1226056	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,16	up
6234125	7140113	1226078	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,15	up
6139434	7140113	1226051	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,09	down
5801651	7140113	1226060	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,06	down

5694014	7140113	1226064	leucine-rich repeats and calponin homology (CH) domain containing 1	Lrch1	502020	1,02	up
5661753	7155340	1264090	leukocyte cell-derived chemotaxin 2	Lect2	361205	2,15	up
6669035	7155340	1264096	leukocyte cell-derived chemotaxin 2	Lect2	361205	1,59	up
6396366	7155340	1264089	leukocyte cell-derived chemotaxin 2	Lect2	361205	1,13	down
6236115	7155340	1264092	leukocyte cell-derived chemotaxin 2	Lect2	361205	1,08	up
6508123	7155340	1264095	leukocyte cell-derived chemotaxin 2	Lect2	361205	1,01	up
6661761	7155340	1264095	leukocyte cell-derived chemotaxin 2	Lect2	361205	1,01	down
5878139	7155340	1264091	leukocyte cell-derived chemotaxin 2	Lect2	361205	1,01	down
6590846	7028278	957322	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	2,32	down
6209022	7028278	957316	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,45	up
6105975	7028278	957323	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,30	up
6590097	7028278	957317	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,22	down
6402544	7028278	957321	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,18	down
6566374	7028278	957319	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,18	down
6066845	7028278	957320	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,07	up
6075041	7028278	957318	leukocyte immunoglobulin-like receptor, subfamily B (with TM and ITIM domains), member 3-like	Lilrb3l	361493	1,02	down
6067567	7048014	1005627	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,67	down
6548857	7048014	1005629	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,45	down
6731204	7048014	1005622	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,37	down
6235432	7048014	1005628	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,31	down
6259526	7048014	1005630	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,19	up
6603632	7048014	1005621	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,15	down
6254247	7048014	1005631	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,13	up
6491908	7048014	1005637	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,11	up
6126140	7048014	1005626	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,06	up
6028582	7048014	1005621	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,06	up
6242467	7048014	1005621	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,05	down
6400784	7048014	1005632	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,04	up
5636563	7048014	1005633	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,03	down
6034464	7048014	1005623	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,03	down
5678178	7048014	1005621	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,02	down
6596765	7048014	1005621	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,01	up
6097297	7048014	1005625	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,01	down
5933284	7048014	1005621	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,00	down
5990464	7048014	1005624	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,00	up
6722586	7048014	1005634	leukocyte receptor cluster (LRC) member 8	Leng8	361506	1,00	up
5774359	7243627	1482345	leukocyte receptor tyrosine kinase	Ltk	311337	2,23	up
6103507	7243627	1482348	leukocyte receptor tyrosine kinase	Ltk	311337	1,94	up
6665038	7243627	1482351	leukocyte receptor tyrosine kinase	Ltk	311337	1,50	up
6572304	7243627	1482354	leukocyte receptor tyrosine kinase	Ltk	311337	1,48	up
6585552	7243627	1482346	leukocyte receptor tyrosine kinase	Ltk	311337	1,43	up
6171356	7243627	1482350	leukocyte receptor tyrosine kinase	Ltk	311337	1,39	up
6327855	7243627	1482350	leukocyte receptor tyrosine kinase	Ltk	311337	1,33	down
5643250	7243627	1482348	leukocyte receptor tyrosine kinase	Ltk	311337	1,31	up
6673892	7243627	1482349	leukocyte receptor tyrosine kinase	Ltk	311337	1,21	up
5899951	7243627	1482346	leukocyte receptor tyrosine kinase	Ltk	311337	1,18	up
5624901	7243627	1482345	leukocyte receptor tyrosine kinase	Ltk	311337	1,14	down
6337065	7243627	1482357	leukocyte receptor tyrosine kinase	Ltk	311337	1,13	down
5915773	7243627	1482356	leukocyte receptor tyrosine kinase	Ltk	311337	1,13	up
6593295	7243627	1482352	leukocyte receptor tyrosine kinase	Ltk	311337	1,11	down
6684058	7243627	1482352	leukocyte receptor tyrosine kinase	Ltk	311337	1,10	down
5746927	7243627	1482347	leukocyte receptor tyrosine kinase	Ltk	311337	1,06	down
6550235	7243627	1482353	leukocyte receptor tyrosine kinase	Ltk	311337	1,03	down
6047185	7243627	1482346	leukocyte receptor tyrosine kinase	Ltk	311337	1,02	up
6355154	7243627	1482356	leukocyte receptor tyrosine kinase	Ltk	311337	1,00	up
6060175	7100600	1129122	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	2,35	up
6033761	7100600	1129120	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	2,04	down

5626933	7100600	1129118	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,54	down
6009447	7100600	1129117	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,35	up
6489668	7100600	1129121	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,31	down
5734031	7100600	1129115	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,19	down
6385579	7100600	1129116	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,12	down
5690451	7100600	1129123	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,12	up
6727955	7100600	1129115	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,10	down
6063713	7100600	1129119	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,09	down
5665624	7100600	1129123	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,04	up
6460647	7100600	1129123	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,02	up
6622937	7100600	1129123	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase	Lfng	170905	1,02	up
6076972	7117951	1172092	ligand of numb-protein X 1	Lnx1	360926	2,18	down
5933779	7117951	1172093	ligand of numb-protein X 1	Lnx1	360926	1,54	up
6604265	7117951	1172081	ligand of numb-protein X 1	Lnx1	360926	1,50	up
6136792	7117951	1172085	ligand of numb-protein X 1	Lnx1	360926	1,38	up
6057836	7117951	1172089	ligand of numb-protein X 1	Lnx1	360926	1,29	down
5899331	7117951	1172068	ligand of numb-protein X 1	Lnx1	360926	1,24	down
5848454	7117951	1172072	ligand of numb-protein X 1	Lnx1	360926	1,22	up
6280538	7117951	1172079	ligand of numb-protein X 1	Lnx1	360926	1,21	up
6434035	7117951	1172088	ligand of numb-protein X 1	Lnx1	360926	1,19	up
6442845	7117951	1172089	ligand of numb-protein X 1	Lnx1	360926	1,17	down
5665777	7117951	1172079	ligand of numb-protein X 1	Lnx1	360926	1,16	up
6242191	7117951	1172081	ligand of numb-protein X 1	Lnx1	360926	1,15	up
6388986	7117951	1172071	ligand of numb-protein X 1	Lnx1	360926	1,11	up
6593993	7117951	1172080	ligand of numb-protein X 1	Lnx1	360926	1,09	up
6015668	7117951	1172087	ligand of numb-protein X 1	Lnx1	360926	1,08	up
5856062	7117951	1172072	ligand of numb-protein X 1	Lnx1	360926	1,05	down
5780944	7117951	1172070	ligand of numb-protein X 1	Lnx1	360926	1,03	down
5679708	7168876	1296929	LIM and senescent cell antigen like domains 2	Lims2	361303	2,10	up
6223696	7168876	1296926	LIM and senescent cell antigen like domains 2	Lims2	361303	1,54	up
5930248	7168876	1296928	LIM and senescent cell antigen like domains 2	Lims2	361303	1,42	down
6249489	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,38	down
6296837	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,31	up
5713278	7168876	1296927	LIM and senescent cell antigen like domains 2	Lims2	361303	1,22	up
5909114	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,20	down
5674407	7168876	1296930	LIM and senescent cell antigen like domains 2	Lims2	361303	1,17	down
6436883	7168876	1296931	LIM and senescent cell antigen like domains 2	Lims2	361303	1,13	down
6485534	7168876	1296922	LIM and senescent cell antigen like domains 2	Lims2	361303	1,10	up
6045857	7168876	1296924	LIM and senescent cell antigen like domains 2	Lims2	361303	1,09	up
6436846	7168876	1296931	LIM and senescent cell antigen like domains 2	Lims2	361303	1,07	down
6649842	7168876	1296925	LIM and senescent cell antigen like domains 2	Lims2	361303	1,07	up
5847785	7168876	1296923	LIM and senescent cell antigen like domains 2	Lims2	361303	1,05	down
6710069	7168876	1296929	LIM and senescent cell antigen like domains 2	Lims2	361303	1,05	down
6134655	7331757	1700034	LIM domain and actin binding 1	Lima1	300228	1,92	up
5958580	7331757	1700032	LIM domain and actin binding 1	Lima1	300228	1,11	down
6737107	7331757	1700036	LIM domain and actin binding 1	Lima1	300228	1,09	down
6307426	7094687	1114327	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	2,08	down
6504962	7094687	1114317	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,90	down
5837325	7094687	1114324	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,43	up
6167860	7094687	1114319	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,42	up
6650810	7094687	1114326	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,36	down
6420027	7094687	1114325	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,30	up
6735594	7094687	1114323	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,26	up
6104386	7094687	1114321	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,21	down
6112881	7094687	1114320	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,15	up
5635142	7094687	1114325	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,06	up
5855915	7094687	1114322	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,05	down

5948026	7094687	1114318	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,04	up
6372464	7094687	1114323	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,02	down
5895758	7094687	1114323	LIM domain containing preferred translocation partner in lipoma	Lpp	288010	1,01	down
6440377	7097556	1121213	LIM domain kinase 1	Limk1	65172	2,32	up
5631967	7097556	1121222	LIM domain kinase 1	Limk1	65172	1,76	down
5806541	7097556	1121220	LIM domain kinase 1	Limk1	65172	1,49	up
5687757	7097556	1121207	LIM domain kinase 1	Limk1	65172	1,32	down
5623107	7097556	1121217	LIM domain kinase 1	Limk1	65172	1,29	up
5834365	7097556	1121219	LIM domain kinase 1	Limk1	65172	1,29	down
6482851	7097556	1121216	LIM domain kinase 1	Limk1	65172	1,25	down
6670637	7097556	1121210	LIM domain kinase 1	Limk1	65172	1,18	down
5870420	7097556	1121215	LIM domain kinase 1	Limk1	65172	1,18	up
5951297	7097556	1121214	LIM domain kinase 1	Limk1	65172	1,17	up
5809712	7097556	1121211	LIM domain kinase 1	Limk1	65172	1,16	down
6665404	7097556	1121206	LIM domain kinase 1	Limk1	65172	1,16	down
6133072	7097556	1121205	LIM domain kinase 1	Limk1	65172	1,15	down
6323831	7097556	1121209	LIM domain kinase 1	Limk1	65172	1,10	up
6118247	7097556	1121212	LIM domain kinase 1	Limk1	65172	1,09	down
6346066	7097556	1121208	LIM domain kinase 1	Limk1	65172	1,08	up
6416501	7097556	1121205	LIM domain kinase 1	Limk1	65172	1,06	up
6305899	7097556	1121218	LIM domain kinase 1	Limk1	65172	1,05	down
6257608	7097556	1121221	LIM domain kinase 1	Limk1	65172	1,03	up
6377013	7230698	1449073	LIM domain only 2	Lmo2	362176	1,82	up
6501126	7230698	1449073	LIM domain only 2	Lmo2	362176	1,79	up
6032821	7230698	1449067	LIM domain only 2	Lmo2	362176	1,54	down
5709706	7230698	1449070	LIM domain only 2	Lmo2	362176	1,39	up
6689357	7230698	1449067	LIM domain only 2	Lmo2	362176	1,27	up
6446894	7230698	1449067	LIM domain only 2	Lmo2	362176	1,20	down
5742552	7112606	1158754	LIM homeobox 4	Lhx4	360858	2,26	up
6431597	7112606	1158786	LIM homeobox 4	Lhx4	360858	1,51	up
6139108	7112606	1158752	LIM homeobox 4	Lhx4	360858	1,48	down
5923469	7112606	1158751	LIM homeobox 4	Lhx4	360858	1,46	up
6122165	7112606	1158754	LIM homeobox 4	Lhx4	360858	1,44	down
5919006	7112606	1158751	LIM homeobox 4	Lhx4	360858	1,30	down
5945493	7112606	1158768	LIM homeobox 4	Lhx4	360858	1,24	up
6529875	7112606	1158786	LIM homeobox 4	Lhx4	360858	1,22	down
6681122	7112606	1158752	LIM homeobox 4	Lhx4	360858	1,09	up
6023210	7112606	1158757	LIM homeobox 4	Lhx4	360858	1,08	up
6408720	7112606	1158786	LIM homeobox 4	Lhx4	360858	1,08	down
5803805	7112606	1158751	LIM homeobox 4	Lhx4	360858	1,02	down
6549182	7112606	1158751	LIM homeobox 4	Lhx4	360858	1,01	down
6078912	7107503	1145767	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,75	down
5808917	7107503	1145767	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,48	down
6555717	7107503	1145767	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,46	up
6287434	7107503	1145805	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,40	up
5794624	7107503	1145803	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,31	up
6269366	7107503	1145804	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,26	down
5694096	7107503	1145767	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,24	up
6044514	7107503	1145770	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,23	up
5638464	7107503	1145799	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,20	down
5818935	7107503	1145792	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,13	down
6708804	7107503	1145805	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,09	down
6364438	7107503	1145802	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,03	down
6214589	7107503	1145792	LIM homeobox transcription factor 1 alpha	Lmx1a	289201	1,03	up
6433488	7225317	1435361	lipocalin 10	Lcn10	499756	1,27	down
6658397	7225317	1435362	lipocalin 10	Lcn10	499756	1,22	down
5833224	7225317	1435354	lipocalin 10	Lcn10	499756	1,17	up

6447730	7225317	1435355	lipocalin 10	Lcn10	499756	1,16	down
6601901	7225317	1435360	lipocalin 10	Lcn10	499756	1,11	down
6305506	7225317	1435359	lipocalin 10	Lcn10	499756	1,10	up
5969550	7225317	1435357	lipocalin 10	Lcn10	499756	1,05	up
6736095	7237648	1467244	lipocalin 2	Lcn2	170496	36,23	down
5850941	7237648	1467244	lipocalin 2	Lcn2	170496	4,12	down
5705579	7237648	1467240	lipocalin 2	Lcn2	170496	3,07	up
6498785	7237648	1467241	lipocalin 2	Lcn2	170496	2,42	up
6086593	7237648	1467242	lipocalin 2	Lcn2	170496	1,86	up
5929350	7237648	1467243	lipocalin 2	Lcn2	170496	1,73	up
6240332	7237648	1467239	lipocalin 2	Lcn2	170496	1,02	up
6700359	7260636	1524367	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	2,08	down
6597424	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,30	up
6105560	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,08	down
5724600	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,07	up
6535977	7260636	1524332	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,01	up
6546515	7260636	1524325	lipoma HMGIC fusion partner-like 3	Lhfp13	499977	1,01	down
6426431	7098175	1123133	LOC360807	LOC360807	360807	2,34	down
5988937	7098175	1123125	LOC360807	LOC360807	360807	1,86	down
5828792	7098175	1123129	LOC360807	LOC360807	360807	1,69	down
5831334	7098175	1123128	LOC360807	LOC360807	360807	1,52	down
6017527	7098175	1123130	LOC360807	LOC360807	360807	1,37	up
6319468	7098175	1123126	LOC360807	LOC360807	360807	1,25	up
6484243	7098175	1123127	LOC360807	LOC360807	360807	1,14	down
6231456	7098175	1123137	LOC360807	LOC360807	360807	1,12	up
5946684	7098175	1123136	LOC360807	LOC360807	360807	1,11	up
6664028	7098175	1123135	LOC360807	LOC360807	360807	1,07	up
6686700	7098175	1123132	LOC360807	LOC360807	360807	1,03	down
6393957	7098175	1123134	LOC360807	LOC360807	360807	1,03	up
6680922	7098175	1123130	LOC360807	LOC360807	360807	1,03	up
6448759	7098175	1123131	LOC360807	LOC360807	360807	1,00	up
5669969	7306629	1639457	LOC500651	MGC112883	500651	1,46	down
5751440	7306629	1639456	LOC500651	MGC112883	500651	1,08	down
5969870	7306629	1639456	LOC500651	MGC112883	500651	1,07	down
6130603	7367969	1789105	lon peptidase 1, mitochondrial	Lonp1	170916	2,66	down
6263106	7367969	1789099	lon peptidase 1, mitochondrial	Lonp1	170916	1,54	up
6431954	7367969	1789088	lon peptidase 1, mitochondrial	Lonp1	170916	1,36	down
6023605	7367969	1789091	lon peptidase 1, mitochondrial	Lonp1	170916	1,25	down
6104963	7367969	1789090	lon peptidase 1, mitochondrial	Lonp1	170916	1,25	up
6173497	7367969	1789101	lon peptidase 1, mitochondrial	Lonp1	170916	1,24	up
6022174	7367969	1789095	lon peptidase 1, mitochondrial	Lonp1	170916	1,24	down
6479094	7367969	1789087	lon peptidase 1, mitochondrial	Lonp1	170916	1,22	down
6194718	7367969	1789103	lon peptidase 1, mitochondrial	Lonp1	170916	1,18	up
6414782	7367969	1789100	lon peptidase 1, mitochondrial	Lonp1	170916	1,16	up
6036187	7367969	1789093	lon peptidase 1, mitochondrial	Lonp1	170916	1,16	up
6604495	7367969	1789094	lon peptidase 1, mitochondrial	Lonp1	170916	1,15	up
6264914	7367969	1789104	lon peptidase 1, mitochondrial	Lonp1	170916	1,12	up
6305909	7367969	1789102	lon peptidase 1, mitochondrial	Lonp1	170916	1,11	up
5899658	7367969	1789092	lon peptidase 1, mitochondrial	Lonp1	170916	1,10	down
5640404	7367969	1789103	lon peptidase 1, mitochondrial	Lonp1	170916	1,04	down
6665246	7367969	1789105	lon peptidase 1, mitochondrial	Lonp1	170916	1,04	down
6228511	7367969	1789094	lon peptidase 1, mitochondrial	Lonp1	170916	1,03	down
6082057	7367969	1789105	lon peptidase 1, mitochondrial	Lonp1	170916	1,02	down
6642405	7367969	1789097	lon peptidase 1, mitochondrial	Lonp1	170916	1,01	down
6176023	7378981	1818537	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	2,97	up
5659523	7378981	1818553	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	2,72	down
5673134	7378981	1818536	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	2,08	up

6288356	7378981	1818543	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,90	up
5731338	7378981	1818538	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,81	up
6281895	7378981	1818545	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,48	up
6671178	7378981	1818539	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,46	down
6377183	7378981	1818541	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,43	up
6511757	7378981	1818548	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,40	down
6138296	7378981	1818545	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,36	up
6124245	7378981	1818553	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,32	down
6714539	7378981	1818554	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,26	down
6226851	7378981	1818533	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,25	down
6140431	7378981	1818546	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,23	down
6547979	7378981	1818553	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,20	down
5799332	7378981	1818551	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,20	up
6714204	7378981	1818534	LON peptidase N-terminal domain and ring finger 3	Lonrf3	298322	1,06	down
5720411	7230017	1447459	low density lipoprotein receptor-related protein 4	Lrp4	83469	4,05	up
5938428	7230017	1447440	low density lipoprotein receptor-related protein 4	Lrp4	83469	2,40	up
6047868	7230017	1447437	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,77	down
6057267	7230017	1447432	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,71	up
6348580	7230017	1447444	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,63	down
6291009	7230017	1447464	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,48	down
5979647	7230017	1447435	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,43	up
5638682	7230017	1447452	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,39	up
6312146	7230017	1447441	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,33	down
5939938	7230017	1447461	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,31	up
6426653	7230017	1447457	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,30	down
5658261	7230017	1447428	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,28	down
6278375	7230017	1447461	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,26	up
6553650	7230017	1447443	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,22	up
5721915	7230017	1447449	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,21	down
6389226	7230017	1447447	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,20	down
6424539	7230017	1447429	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,18	down
6442275	7230017	1447441	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,18	up
6448241	7230017	1447445	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,15	up
6094461	7230017	1447434	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,15	down
5965632	7230017	1447453	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,14	down
6407906	7230017	1447463	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,14	down
5917942	7230017	1447459	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,14	down
6406294	7230017	1447456	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,13	up
6247363	7230017	1447455	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,12	up
6446123	7230017	1447464	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,11	down
5851977	7230017	1447431	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,11	up
6373741	7230017	1447462	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,09	up
6559403	7230017	1447430	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,09	up
6735012	7230017	1447442	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,09	up
6579441	7230017	1447439	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,08	down
6576969	7230017	1447448	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,07	up
6325618	7230017	1447440	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,06	down
6167817	7230017	1447450	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,06	down
6371891	7230017	1447451	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,05	up
6270827	7230017	1447460	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,05	up
6548899	7230017	1447458	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,05	up
6340691	7230017	1447433	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,04	down
6307504	7230017	1447432	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,04	up
6415257	7230017	1447436	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,02	up
5683726	7230017	1447438	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,02	down
6223672	7230017	1447427	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,02	up
6482041	7230017	1447446	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	up

6334988	7230017	1447464	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	down
6270232	7230017	1447426	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	up
6062595	7230017	1447454	low density lipoprotein receptor-related protein 4	Lrp4	83469	1,01	up
6551234	7326271	1686453	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	2,07	up
6222483	7326271	1686454	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,83	up
5966852	7326271	1686456	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,59	up
6017867	7326271	1686455	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,54	down
6275360	7326271	1686457	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,22	down
5917682	7326271	1686458	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,16	up
5860263	7326271	1686458	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,12	up
5894592	7326271	1686453	low density lipoprotein-related protein 1 (alpha-2-macroglobulin receptor)	Lrp1	299858	1,04	down
5855204	7238252	1469192	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	2,57	up
6719285	7238252	1469173	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	2,18	down
5628551	7238252	1469165	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	2,00	down
5695607	7238252	1469138	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,93	up
6603280	7238252	1469103	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,87	down
6184171	7238252	1469136	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,80	up
6129854	7238252	1469107	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,79	down
5696816	7238252	1469203	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,72	down
6557361	7238252	1469245	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,68	down
6112602	7238252	1469097	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,68	up
6163526	7238252	1469223	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,50	down
6028197	7238252	1469205	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,47	up
6365964	7238252	1469222	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,45	down
6011816	7238252	1469200	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,44	down
5731248	7238252	1469256	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,39	up
5739997	7238252	1469235	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,37	down
5703403	7238252	1469106	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,34	down
6537743	7238252	1469221	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,33	down
5910494	7238252	1469152	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,32	down
6611435	7238252	1469224	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,30	up
6076265	7238252	1469240	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,30	up
5678825	7238252	1469195	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,30	down
6617790	7238252	1469098	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,28	down
5934386	7238252	1469085	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,27	down
5793289	7238252	1469132	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,27	up
6714724	7238252	1469132	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,26	down
5618667	7238252	1469118	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,25	down
6576022	7238252	1469293	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,25	down
6047191	7238252	1469122	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,25	down
6611128	7238252	1469100	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	down
6414541	7238252	1469204	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	down
5949965	7238252	1469112	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	down
6053733	7238252	1469110	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,21	down
5671328	7238252	1469181	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,19	up
6578946	7238252	1469206	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,18	down
6313661	7238252	1469224	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,17	up
6443747	7238252	1469136	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,17	down
6427665	7238252	1469095	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,17	down
5841412	7238252	1469244	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,16	down
6237994	7238252	1469104	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,16	down
5695000	7238252	1469213	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,15	down
6144650	7238252	1469214	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,15	down
6673221	7238252	1469088	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,15	down
6528566	7238252	1469197	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,15	down
6577648	7238252	1469087	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,14	down
6496034	7238252	1469216	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,14	up

6010827	7238252	1469175	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,14	up
6029978	7238252	1469164	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,13	down
6114321	7238252	1469166	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,12	down
5995370	7238252	1469096	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,12	down
6112728	7238252	1469085	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,11	down
5738146	7238252	1469099	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,11	down
5752702	7238252	1469086	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,11	up
6481078	7238252	1469102	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,11	down
6193440	7238252	1469093	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,11	down
6603210	7238252	1469105	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,10	up
5720443	7238252	1469153	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,10	down
5867359	7238252	1469131	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,09	up
5820909	7238252	1469174	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,08	up
6202854	7238252	1469201	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,08	down
6284958	7238252	1469163	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,08	up
6264104	7238252	1469191	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	up
5995793	7238252	1469143	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	down
6530153	7238252	1469141	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,07	down
6659588	7238252	1469113	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	up
6619401	7238252	1469120	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	down
6524210	7238252	1469196	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	up
6645923	7238252	1469092	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,06	up
6740420	7238252	1469126	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,05	up
5680816	7238252	1469257	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,05	down
6699133	7238252	1469202	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,04	down
6495311	7238252	1469152	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,04	up
6379417	7238252	1469199	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,04	up
6335297	7238252	1469182	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	up
5684574	7238252	1469121	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	up
6159591	7238252	1469168	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	up
6426334	7238252	1469089	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	down
5977384	7238252	1469192	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,03	down
6028623	7238252	1469196	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	up
6697158	7238252	1469271	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
6710672	7238252	1469140	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
6615822	7238252	1469108	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
5968084	7238252	1469135	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	up
6357664	7238252	1469198	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,02	down
6319851	7238252	1469142	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	up
5833551	7238252	1469144	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down
5884529	7238252	1469139	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down
6281145	7238252	1469132	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	down
5769587	7238252	1469175	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,01	up
6056268	7238252	1469122	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	down
5862882	7238252	1469109	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6217371	7238252	1469127	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
5672926	7238252	1469211	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
5706610	7238252	1469178	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
5793520	7238252	1469140	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6067155	7238252	1469137	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6183215	7238252	1469181	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6344375	7238252	1469101	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6476270	7238252	1469153	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6485438	7238252	1469168	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6581465	7238252	1469123	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
6535280	7238252	1469167	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up
5627327	7238252	1469119	low density lipoprotein-related protein 1B (deleted in tumors)	Lrp1b	311926	1,00	up

6473019	7361037	1772248	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	3,11	down
6694026	7361037	1772248	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	2,95	down
6708226	7361037	1772248	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	2,92	down
5723708	7361037	1772245	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	2,16	up
5644958	7361037	1772245	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,78	up
6301953	7361037	1772246	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,56	up
5817475	7361037	1772247	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,12	down
6050269	7361037	1772244	lung-inducible neuralized-related C3HC4 RING domain protein	Linc	316326	1,01	up
6080555	7328985	1693171	lymphocyte antigen 6 complex, locus H	Ly6h	300025	2,14	up
6649667	7328985	1693170	lymphocyte antigen 6 complex, locus H	Ly6h	300025	1,99	up
5973588	7328985	1693167	lymphocyte antigen 6 complex, locus H	Ly6h	300025	1,43	up
5714016	7328985	1693168	lymphocyte antigen 6 complex, locus H	Ly6h	300025	1,08	up
6348016	7328985	1693167	lymphocyte antigen 6 complex, locus H	Ly6h	300025	1,06	up
6447706	7328985	1693169	lymphocyte antigen 6 complex, locus H	Ly6h	300025	1,05	up
6112328	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	2,65	down
6075979	7133474	1209887	lymphocyte cytosolic protein 1	Lcp1	306071	2,19	up
6409005	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	2,02	down
5652083	7133474	1209895	lymphocyte cytosolic protein 1	Lcp1	306071	1,80	up
5905385	7133474	1209885	lymphocyte cytosolic protein 1	Lcp1	306071	1,73	down
6469278	7133474	1209892	lymphocyte cytosolic protein 1	Lcp1	306071	1,64	down
6232466	7133474	1209898	lymphocyte cytosolic protein 1	Lcp1	306071	1,61	down
5887999	7133474	1209885	lymphocyte cytosolic protein 1	Lcp1	306071	1,60	down
6453663	7133474	1209894	lymphocyte cytosolic protein 1	Lcp1	306071	1,49	up
5802081	7133474	1209884	lymphocyte cytosolic protein 1	Lcp1	306071	1,47	down
6610099	7133474	1209898	lymphocyte cytosolic protein 1	Lcp1	306071	1,43	down
6315499	7133474	1209888	lymphocyte cytosolic protein 1	Lcp1	306071	1,42	up
6574507	7133474	1209886	lymphocyte cytosolic protein 1	Lcp1	306071	1,40	up
6502996	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	1,38	down
6576702	7133474	1209897	lymphocyte cytosolic protein 1	Lcp1	306071	1,38	down
6206278	7133474	1209889	lymphocyte cytosolic protein 1	Lcp1	306071	1,32	up
6432854	7133474	1209890	lymphocyte cytosolic protein 1	Lcp1	306071	1,28	down
6185152	7133474	1209899	lymphocyte cytosolic protein 1	Lcp1	306071	1,21	down
6538703	7133474	1209891	lymphocyte cytosolic protein 1	Lcp1	306071	1,17	up
6351118	7133474	1209893	lymphocyte cytosolic protein 1	Lcp1	306071	1,08	up
5902768	7133474	1209883	lymphocyte cytosolic protein 1	Lcp1	306071	1,06	up
6578651	7133474	1209896	lymphocyte cytosolic protein 1	Lcp1	306071	1,03	up
5621228	7066185	1046521	lymphocyte cytosolic protein 2	Lcp2	155918	2,12	down
5780965	7066185	1046527	lymphocyte cytosolic protein 2	Lcp2	155918	1,74	down
5930099	7066185	1046523	lymphocyte cytosolic protein 2	Lcp2	155918	1,57	down
6299575	7066185	1046525	lymphocyte cytosolic protein 2	Lcp2	155918	1,54	up
6680781	7066185	1046515	lymphocyte cytosolic protein 2	Lcp2	155918	1,43	up
6187993	7066185	1046522	lymphocyte cytosolic protein 2	Lcp2	155918	1,35	down
5725168	7066185	1046528	lymphocyte cytosolic protein 2	Lcp2	155918	1,30	down
6515576	7066185	1046520	lymphocyte cytosolic protein 2	Lcp2	155918	1,25	up
6695862	7066185	1046519	lymphocyte cytosolic protein 2	Lcp2	155918	1,22	down
5852754	7066185	1046529	lymphocyte cytosolic protein 2	Lcp2	155918	1,18	up
5839280	7066185	1046526	lymphocyte cytosolic protein 2	Lcp2	155918	1,12	up
5847042	7066185	1046530	lymphocyte cytosolic protein 2	Lcp2	155918	1,11	up
6733468	7066185	1046514	lymphocyte cytosolic protein 2	Lcp2	155918	1,08	up
5767074	7066185	1046516	lymphocyte cytosolic protein 2	Lcp2	155918	1,07	up
6445757	7066185	1046517	lymphocyte cytosolic protein 2	Lcp2	155918	1,07	up
6450781	7066185	1046518	lymphocyte cytosolic protein 2	Lcp2	155918	1,04	up
5801380	7066185	1046524	lymphocyte cytosolic protein 2	Lcp2	155918	1,04	down
6162743	7066185	1046531	lymphocyte cytosolic protein 2	Lcp2	155918	1,04	up
6005811	7259807	1522250	lymphoid-restricted membrane protein	Lrmp	500361	2,04	down
5782093	7259807	1522250	lymphoid-restricted membrane protein	Lrmp	500361	1,71	up
6230557	7259807	1522229	lymphoid-restricted membrane protein	Lrmp	500361	1,47	down

5964630	7259807	1522227	lymphoid-restricted membrane protein	Lrmp	500361	1,25	down
6142656	7259807	1522241	lymphoid-restricted membrane protein	Lrmp	500361	1,24	down
5936764	7259807	1522248	lymphoid-restricted membrane protein	Lrmp	500361	1,16	up
5886601	7259807	1522249	lymphoid-restricted membrane protein	Lrmp	500361	1,15	down
6146139	7259807	1522243	lymphoid-restricted membrane protein	Lrmp	500361	1,14	up
6162015	7259807	1522223	lymphoid-restricted membrane protein	Lrmp	500361	1,09	up
6246375	7259807	1522228	lymphoid-restricted membrane protein	Lrmp	500361	1,08	up
6166346	7259807	1522247	lymphoid-restricted membrane protein	Lrmp	500361	1,07	up
6469839	7259807	1522244	lymphoid-restricted membrane protein	Lrmp	500361	1,06	down
6438050	7259807	1522236	lymphoid-restricted membrane protein	Lrmp	500361	1,05	up
6270101	7259807	1522245	lymphoid-restricted membrane protein	Lrmp	500361	1,04	up
6726200	7259807	1522240	lymphoid-restricted membrane protein	Lrmp	500361	1,04	up
6149738	7259807	1522246	lymphoid-restricted membrane protein	Lrmp	500361	1,04	down
6228662	7259807	1522223	lymphoid-restricted membrane protein	Lrmp	500361	1,04	up
6125387	7259807	1522242	lymphoid-restricted membrane protein	Lrmp	500361	1,03	up
5633021	7259807	1522234	lymphoid-restricted membrane protein	Lrmp	500361	1,02	up
5761287	7259807	1522227	lymphoid-restricted membrane protein	Lrmp	500361	1,01	up
6064818	7259807	1522230	lymphoid-restricted membrane protein	Lrmp	500361	1,01	up
6585513	7259807	1522235	lymphoid-restricted membrane protein	Lrmp	500361	1,00	down
6104205	7220595	1424379	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	5,55	up
6596502	7220595	1424381	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	2,10	up
5974639	7220595	1424382	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,76	down
6192648	7220595	1424380	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,65	up
6398560	7220595	1424382	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,41	down
5620873	7220595	1424382	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,11	down
5793016	7220595	1424381	lymphotoxin beta (TNF superfamily, member 3)	Ltb	361795	1,08	up
5713025	7338101	1715195	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,22	up
5887965	7338101	1715196	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,18	up
6702080	7338101	1715192	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,15	up
6734805	7338101	1715196	LysM, putative peptidoglycan-binding, domain containing 2	Lysmd2	300839	1,01	up
6499140	7150043	1250730	lysophosphatidic acid receptor 2	Lpar2	498609	2,02	down
5793988	7150043	1250733	lysophosphatidic acid receptor 2	Lpar2	498609	1,65	down
5722122	7150043	1250732	lysophosphatidic acid receptor 2	Lpar2	498609	1,28	up
6685340	7150043	1250729	lysophosphatidic acid receptor 2	Lpar2	498609	1,19	up
5702191	7150043	1250730	lysophosphatidic acid receptor 2	Lpar2	498609	1,04	down
5801631	7183182	1333552	lysophosphatidylcholine acyltransferase 2	Lpcat2	307713	1,86	up
6302817	7231137	1450204	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,58	down
6064122	7231137	1450194	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,55	down
6335482	7231137	1450208	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,27	up
6421159	7231137	1450198	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,27	down
5872415	7231137	1450208	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,24	down
5737179	7231137	1450196	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,18	down
6314423	7231137	1450207	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,18	down
6150087	7231137	1450197	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,16	down
6696183	7231137	1450205	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,10	down
6348085	7231137	1450206	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,08	down
6225612	7231137	1450199	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,06	up
6053595	7231137	1450198	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,04	down
6405761	7231137	1450201	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,03	up
6171285	7231137	1450198	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,02	up
6379296	7231137	1450203	lysophosphatidylcholine acyltransferase 4	Lpcat4	296048	1,01	up
6074920	7302020	1627011	lysophospholipase	LOC246266	246266	2,15	up
6621492	7302020	1627006	lysophospholipase	LOC246266	246266	1,87	up
6711793	7302020	1627000	lysophospholipase	LOC246266	246266	1,67	down
5719286	7302020	1627007	lysophospholipase	LOC246266	246266	1,48	down
5725283	7302020	1627004	lysophospholipase	LOC246266	246266	1,44	up
5888845	7302020	1627008	lysophospholipase	LOC246266	246266	1,39	down

6505541	7302020	1626998	lysophospholipase	LOC246266	246266	1,33	down
6419310	7302020	1626999	lysophospholipase	LOC246266	246266	1,26	down
6292967	7302020	1627009	lysophospholipase	LOC246266	246266	1,19	down
6062694	7302020	1627001	lysophospholipase	LOC246266	246266	1,18	down
6323672	7302020	1627013	lysophospholipase	LOC246266	246266	1,14	down
5965745	7302020	1627003	lysophospholipase	LOC246266	246266	1,12	up
6237136	7302020	1627002	lysophospholipase	LOC246266	246266	1,07	up
5902989	7302020	1626998	lysophospholipase	LOC246266	246266	1,07	down
6052111	7302020	1627012	lysophospholipase	LOC246266	246266	1,07	down
6084801	7302020	1627010	lysophospholipase	LOC246266	246266	1,02	up
5841907	7302020	1627005	lysophospholipase	LOC246266	246266	1,00	up
6640558	7283161	1580641	lysophospholipase 1	Lypla1	25514	2,61	up
5862860	7283161	1580643	lysophospholipase 1	Lypla1	25514	1,60	down
5882469	7283161	1580643	lysophospholipase 1	Lypla1	25514	1,39	down
5685521	7283161	1580636	lysophospholipase 1	Lypla1	25514	1,18	down
5715875	7283161	1580634	lysophospholipase 1	Lypla1	25514	1,16	up
5776072	7283161	1580635	lysophospholipase 1	Lypla1	25514	1,13	up
6720135	7283161	1580639	lysophospholipase 1	Lypla1	25514	1,11	up
5997471	7283161	1580640	lysophospholipase 1	Lypla1	25514	1,11	down
5998638	7283161	1580638	lysophospholipase 1	Lypla1	25514	1,09	up
5652535	7283161	1580637	lysophospholipase 1	Lypla1	25514	1,05	down
6184800	7283161	1580642	lysophospholipase 1	Lypla1	25514	1,04	down
6165568	7283161	1580634	lysophospholipase 1	Lypla1	25514	1,04	down
6604407	7283161	1580634	lysophospholipase 1	Lypla1	25514	1,00	up
6104010	7165825	1288434	lysosomal trafficking regulator	Lyst	85419	1,76	up
6637960	7165825	1288464	lysosomal trafficking regulator	Lyst	85419	1,71	down
6458440	7165825	1288466	lysosomal trafficking regulator	Lyst	85419	1,69	up
5685216	7165825	1288466	lysosomal trafficking regulator	Lyst	85419	1,61	up
6402653	7165825	1288449	lysosomal trafficking regulator	Lyst	85419	1,48	up
6032138	7165825	1288433	lysosomal trafficking regulator	Lyst	85419	1,47	down
5692747	7165825	1288431	lysosomal trafficking regulator	Lyst	85419	1,45	up
6193147	7165825	1288445	lysosomal trafficking regulator	Lyst	85419	1,41	down
6225563	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,41	down
6120895	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,41	up
6338195	7165825	1288422	lysosomal trafficking regulator	Lyst	85419	1,38	down
6365911	7165825	1288466	lysosomal trafficking regulator	Lyst	85419	1,36	up
5650463	7165825	1288430	lysosomal trafficking regulator	Lyst	85419	1,36	down
6417646	7165825	1288436	lysosomal trafficking regulator	Lyst	85419	1,36	up
6673340	7165825	1288419	lysosomal trafficking regulator	Lyst	85419	1,36	up
6114991	7165825	1288435	lysosomal trafficking regulator	Lyst	85419	1,35	up
5959619	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,34	up
6363044	7165825	1288423	lysosomal trafficking regulator	Lyst	85419	1,31	down
5820926	7165825	1288447	lysosomal trafficking regulator	Lyst	85419	1,29	down
5924546	7165825	1288442	lysosomal trafficking regulator	Lyst	85419	1,28	down
6729568	7165825	1288449	lysosomal trafficking regulator	Lyst	85419	1,28	up
5636776	7165825	1288459	lysosomal trafficking regulator	Lyst	85419	1,28	down
6102601	7165825	1288449	lysosomal trafficking regulator	Lyst	85419	1,27	up
5662272	7165825	1288466	lysosomal trafficking regulator	Lyst	85419	1,25	down
6519054	7165825	1288441	lysosomal trafficking regulator	Lyst	85419	1,22	down
5629167	7165825	1288468	lysosomal trafficking regulator	Lyst	85419	1,19	up
5733478	7165825	1288428	lysosomal trafficking regulator	Lyst	85419	1,18	up
6122042	7165825	1288425	lysosomal trafficking regulator	Lyst	85419	1,18	up
6331274	7165825	1288451	lysosomal trafficking regulator	Lyst	85419	1,17	down
6008427	7165825	1288444	lysosomal trafficking regulator	Lyst	85419	1,17	down
5972574	7165825	1288458	lysosomal trafficking regulator	Lyst	85419	1,17	up
6166212	7165825	1288466	lysosomal trafficking regulator	Lyst	85419	1,17	up
6022973	7165825	1288449	lysosomal trafficking regulator	Lyst	85419	1,17	down

6018928	7165825	1288424	lysosomal trafficking regulator	Lyst	85419	1,16	down
6279814	7165825	1288444	lysosomal trafficking regulator	Lyst	85419	1,16	up
6082531	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,15	up
6627008	7165825	1288424	lysosomal trafficking regulator	Lyst	85419	1,15	down
6462613	7165825	1288455	lysosomal trafficking regulator	Lyst	85419	1,15	up
5671751	7165825	1288450	lysosomal trafficking regulator	Lyst	85419	1,15	up
5860449	7165825	1288418	lysosomal trafficking regulator	Lyst	85419	1,14	up
5852766	7165825	1288455	lysosomal trafficking regulator	Lyst	85419	1,14	down
6366573	7165825	1288443	lysosomal trafficking regulator	Lyst	85419	1,14	down
5946694	7165825	1288462	lysosomal trafficking regulator	Lyst	85419	1,13	up
5710997	7165825	1288460	lysosomal trafficking regulator	Lyst	85419	1,12	down
6171236	7165825	1288456	lysosomal trafficking regulator	Lyst	85419	1,11	up
5667162	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,10	down
6688308	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,10	down
5855081	7165825	1288437	lysosomal trafficking regulator	Lyst	85419	1,10	down
6519408	7165825	1288431	lysosomal trafficking regulator	Lyst	85419	1,10	up
5752946	7165825	1288425	lysosomal trafficking regulator	Lyst	85419	1,09	down
6481985	7165825	1288425	lysosomal trafficking regulator	Lyst	85419	1,08	down
6442625	7165825	1288464	lysosomal trafficking regulator	Lyst	85419	1,08	up
5661011	7165825	1288461	lysosomal trafficking regulator	Lyst	85419	1,08	down
6540373	7165825	1288448	lysosomal trafficking regulator	Lyst	85419	1,08	up
5687405	7165825	1288446	lysosomal trafficking regulator	Lyst	85419	1,07	down
5758956	7165825	1288452	lysosomal trafficking regulator	Lyst	85419	1,07	down
6362483	7165825	1288465	lysosomal trafficking regulator	Lyst	85419	1,07	up
6540177	7165825	1288437	lysosomal trafficking regulator	Lyst	85419	1,06	down
6561598	7165825	1288426	lysosomal trafficking regulator	Lyst	85419	1,06	up
6244794	7165825	1288456	lysosomal trafficking regulator	Lyst	85419	1,06	down
6671905	7165825	1288440	lysosomal trafficking regulator	Lyst	85419	1,05	up
5681166	7165825	1288463	lysosomal trafficking regulator	Lyst	85419	1,05	up
6549515	7165825	1288429	lysosomal trafficking regulator	Lyst	85419	1,04	down
6302480	7165825	1288421	lysosomal trafficking regulator	Lyst	85419	1,04	up
6060826	7165825	1288467	lysosomal trafficking regulator	Lyst	85419	1,04	up
5856002	7165825	1288420	lysosomal trafficking regulator	Lyst	85419	1,04	down
6244502	7165825	1288467	lysosomal trafficking regulator	Lyst	85419	1,04	up
6161449	7165825	1288466	lysosomal trafficking regulator	Lyst	85419	1,03	up
6349939	7165825	1288453	lysosomal trafficking regulator	Lyst	85419	1,03	down
6230840	7165825	1288439	lysosomal trafficking regulator	Lyst	85419	1,03	down
6094781	7165825	1288438	lysosomal trafficking regulator	Lyst	85419	1,03	up
5848552	7165825	1288431	lysosomal trafficking regulator	Lyst	85419	1,03	up
6319377	7165825	1288449	lysosomal trafficking regulator	Lyst	85419	1,03	up
6038919	7165825	1288432	lysosomal trafficking regulator	Lyst	85419	1,02	up
5932101	7165825	1288427	lysosomal trafficking regulator	Lyst	85419	1,01	up
6283279	7165825	1288457	lysosomal trafficking regulator	Lyst	85419	1,01	up
6637703	7165825	1288457	lysosomal trafficking regulator	Lyst	85419	1,01	down
5767556	7165825	1288454	lysosomal trafficking regulator	Lyst	85419	1,00	up
6471778	7039352	984004	MACRO domain containing 1	Macrodl	246233	2,07	down
5713896	7039352	984009	MACRO domain containing 1	Macrodl	246233	1,58	up
6445007	7039352	984002	MACRO domain containing 1	Macrodl	246233	1,43	up
5970109	7039352	984001	MACRO domain containing 1	Macrodl	246233	1,37	up
6136939	7039352	984003	MACRO domain containing 1	Macrodl	246233	1,33	down
6509358	7039352	984007	MACRO domain containing 1	Macrodl	246233	1,32	down
5817122	7039352	984011	MACRO domain containing 1	Macrodl	246233	1,23	down
6680579	7039352	984010	MACRO domain containing 1	Macrodl	246233	1,20	up
6290791	7039352	984008	MACRO domain containing 1	Macrodl	246233	1,20	down
6720522	7039352	984006	MACRO domain containing 1	Macrodl	246233	1,12	up
6596087	7039352	984011	MACRO domain containing 1	Macrodl	246233	1,12	up
6513411	7039352	984005	MACRO domain containing 1	Macrodl	246233	1,01	down

5795929	7340333	1720933	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	2,09	down
6741169	7340333	1720927	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,94	down
5819712	7340333	1720923	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,78	up
6043927	7340333	1720925	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,75	up
6154608	7340333	1720919	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,37	down
6457729	7340333	1720934	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,36	down
5900550	7340333	1720927	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,31	up
6443148	7340333	1720922	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,29	up
5643179	7340333	1720937	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,23	down
6519377	7340333	1720929	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,22	down
5959411	7340333	1720936	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,18	up
5716639	7340333	1720921	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,17	down
5913073	7340333	1720922	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,17	down
6426361	7340333	1720930	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,12	up
6728949	7340333	1720931	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,10	up
6024507	7340333	1720935	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,07	down
6396302	7340333	1720928	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,06	down
6380481	7340333	1720938	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,05	down
5709106	7340333	1720926	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,05	up
5714471	7340333	1720924	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,04	down
5688483	7340333	1720920	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,03	down
5714595	7340333	1720932	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,03	up
6440712	7340333	1720937	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,01	up
6089947	7340333	1720927	Macrophage stimulating 1 (hepatocyte growth factor-like)	Mst1	24566	1,01	down
5877948	7340263	1720768	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	2,68	down
6306823	7340263	1720751	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,90	down
6484668	7340263	1720757	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,81	down
6419459	7340263	1720756	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,74	down
6099511	7340263	1720748	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,53	up
5639157	7340263	1720761	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,48	down
6741636	7340263	1720748	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,45	down
6342303	7340263	1720754	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,35	up
6444565	7340263	1720764	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,34	up
6733902	7340263	1720755	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,26	down
6151470	7340263	1720765	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,25	up
6681593	7340263	1720763	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,22	up
6338778	7340263	1720750	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,18	down
6680601	7340263	1720763	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,18	down
6074219	7340263	1720758	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,17	down
6640151	7340263	1720761	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,10	up
6237417	7340263	1720759	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,09	up
5821560	7340263	1720762	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,08	down
6708086	7340263	1720758	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,06	down
6099036	7340263	1720767	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,06	up
5894202	7340263	1720753	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,06	down
6011402	7340263	1720767	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,06	down
6249944	7340263	1720752	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,01	down
6357674	7340263	1720761	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,01	up
5877109	7340263	1720749	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,01	down
5957609	7340263	1720768	macrophage stimulating 1 receptor (c-met-related tyrosine kinase)	Mst1r	300999	1,00	up
6423759	7281451	1576379	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	3,86	down
6455026	7281451	1576379	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	2,24	down
5851897	7281451	1576378	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	1,68	up
5712877	7281451	1576379	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	1,46	down
6383971	7281451	1576378	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	1,37	up
6744059	7281451	1576376	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	1,36	up
6515469	7281451	1576372	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2I2	313702	1,36	down

6439584	7281451	1576371	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2l2	313702	1,29	down
6140466	7281451	1576377	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2l2	313702	1,28	up
6555818	7281451	1576375	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2l2	313702	1,28	up
6009337	7281451	1576373	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2l2	313702	1,07	up
5724318	7281451	1576374	MAD2 mitotic arrest deficient-like 2 (yeast)	Mad2l2	313702	1,01	up
6400635	7290775	1598603	major facilitator superfamily domain containing 2	Mfsd2	298504	2,33	down
6104144	7290775	1598596	major facilitator superfamily domain containing 2	Mfsd2	298504	1,45	down
6291203	7290775	1598593	major facilitator superfamily domain containing 2	Mfsd2	298504	1,43	down
6442958	7290775	1598592	major facilitator superfamily domain containing 2	Mfsd2	298504	1,36	up
6440440	7290775	1598595	major facilitator superfamily domain containing 2	Mfsd2	298504	1,29	down
5845901	7290775	1598591	major facilitator superfamily domain containing 2	Mfsd2	298504	1,24	up
6568630	7290775	1598597	major facilitator superfamily domain containing 2	Mfsd2	298504	1,24	down
6412345	7290775	1598593	major facilitator superfamily domain containing 2	Mfsd2	298504	1,23	down
6587660	7290775	1598600	major facilitator superfamily domain containing 2	Mfsd2	298504	1,21	down
6049689	7290775	1598604	major facilitator superfamily domain containing 2	Mfsd2	298504	1,20	down
6590552	7290775	1598602	major facilitator superfamily domain containing 2	Mfsd2	298504	1,18	down
6532438	7290775	1598599	major facilitator superfamily domain containing 2	Mfsd2	298504	1,17	up
6426589	7290775	1598598	major facilitator superfamily domain containing 2	Mfsd2	298504	1,13	down
5933108	7290775	1598590	major facilitator superfamily domain containing 2	Mfsd2	298504	1,04	up
6029568	7290775	1598590	major facilitator superfamily domain containing 2	Mfsd2	298504	1,02	up
5784307	7115907	1166944	major facilitator superfamily domain containing 7	Mfsd7	305625	2,31	down
5822256	7115907	1166941	major facilitator superfamily domain containing 7	Mfsd7	305625	1,77	down
5921355	7115907	1166953	major facilitator superfamily domain containing 7	Mfsd7	305625	1,57	down
5962206	7115907	1166941	major facilitator superfamily domain containing 7	Mfsd7	305625	1,24	up
6595803	7115907	1166954	major facilitator superfamily domain containing 7	Mfsd7	305625	1,20	down
6001193	7115907	1166943	major facilitator superfamily domain containing 7	Mfsd7	305625	1,20	down
6207791	7115907	1166952	major facilitator superfamily domain containing 7	Mfsd7	305625	1,19	up
6080261	7115907	1166950	major facilitator superfamily domain containing 7	Mfsd7	305625	1,12	up
6264089	7115907	1166947	major facilitator superfamily domain containing 7	Mfsd7	305625	1,12	down
6508677	7115907	1166941	major facilitator superfamily domain containing 7	Mfsd7	305625	1,11	up
5855944	7115907	1166953	major facilitator superfamily domain containing 7	Mfsd7	305625	1,04	up
5928401	7115907	1166945	major facilitator superfamily domain containing 7	Mfsd7	305625	1,03	up
6396211	7115907	1166948	major facilitator superfamily domain containing 7	Mfsd7	305625	1,02	down
6545130	7115907	1166949	major facilitator superfamily domain containing 7	Mfsd7	305625	1,01	up
6660203	7207971	1394319	major facilitator superfamily domain containing 8	Mfsd8	361939	1,58	up
6627759	7207971	1394326	major facilitator superfamily domain containing 8	Mfsd8	361939	1,53	down
5845519	7207971	1394314	major facilitator superfamily domain containing 8	Mfsd8	361939	1,26	up
5665049	7207971	1394323	major facilitator superfamily domain containing 8	Mfsd8	361939	1,21	down
5762470	7207971	1394327	major facilitator superfamily domain containing 8	Mfsd8	361939	1,20	up
5656925	7207971	1394327	major facilitator superfamily domain containing 8	Mfsd8	361939	1,14	up
6285929	7207971	1394331	major facilitator superfamily domain containing 8	Mfsd8	361939	1,11	down
5729173	7207971	1394323	major facilitator superfamily domain containing 8	Mfsd8	361939	1,11	up
6647505	7207971	1394318	major facilitator superfamily domain containing 8	Mfsd8	361939	1,09	down
6072957	7207971	1394317	major facilitator superfamily domain containing 8	Mfsd8	361939	1,07	up
6638316	7207971	1394332	major facilitator superfamily domain containing 8	Mfsd8	361939	1,06	up
6212424	7207971	1394322	major facilitator superfamily domain containing 8	Mfsd8	361939	1,05	up
6068751	7207971	1394326	major facilitator superfamily domain containing 8	Mfsd8	361939	1,03	up
6136158	7207971	1394313	major facilitator superfamily domain containing 8	Mfsd8	361939	1,03	down
5714569	7220942	1425094	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	2,42	up
6675680	7220942	1425092	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,19	down
5737701	7220942	1425095	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,15	down
5811293	7220942	1425095	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,08	up
6568267	7220942	1425093	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,04	down
5915079	7220942	1425096	major histocompatibility complex, class II, DM alpha	Hla-dma	294274	1,00	down
6226039	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	2,71	down
5992700	7311773	1651615	major intrinsic protein of lens fiber	Mip	25480	1,56	down
6625474	7311773	1651619	major intrinsic protein of lens fiber	Mip	25480	1,32	down

5786906	7311773	1651619	major intrinsic protein of lens fiber	Mip	25480	1,22	down
5752499	7311773	1651621	major intrinsic protein of lens fiber	Mip	25480	1,16	up
5958561	7311773	1651623	major intrinsic protein of lens fiber	Mip	25480	1,12	up
6529899	7311773	1651618	major intrinsic protein of lens fiber	Mip	25480	1,09	down
5913454	7311773	1651622	major intrinsic protein of lens fiber	Mip	25480	1,07	down
6604759	7311773	1651616	major intrinsic protein of lens fiber	Mip	25480	1,07	up
5756964	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	1,03	up
5848190	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	1,03	down
6643719	7311773	1651620	major intrinsic protein of lens fiber	Mip	25480	1,02	up
5706016	7287119	1589562	major urinary protein 4 /// alpha-2u globulin PGCL2 /// alpha-2u globulin PGCL1 /// alpha-2u-globul LOC259246 /// LO 09 /// 259246 /// 29			1,07	up
6585458	7287119	1589556	major urinary protein 4 /// alpha-2u globulin PGCL2 /// alpha-2u globulin PGCL1 /// alpha-2u-globul // LOC259246 /// 09 /// 259246 /// 29			1,20	up
6222440	7146459	1241986	MAK16 homolog (S. cerevisiae)	Mak16	306526	2,00	up
6115510	7146459	1241985	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,35	down
6470818	7146459	1241989	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,28	down
5683991	7146459	1241987	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,24	up
5641464	7146459	1241993	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,22	down
5896225	7146459	1241994	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,18	down
6547714	7146459	1241991	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,09	up
6429452	7146459	1241988	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,06	down
6276778	7146459	1241992	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,05	up
6646559	7146459	1241990	MAK16 homolog (S. cerevisiae)	Mak16	306526	1,01	down
6244857	7257576	1516739	makorin, ring finger protein, 2	Mkrm2	297525	2,48	up
6066603	7257576	1516744	makorin, ring finger protein, 2	Mkrm2	297525	1,63	up
6217034	7257576	1516740	makorin, ring finger protein, 2	Mkrm2	297525	1,51	down
5648054	7257576	1516743	makorin, ring finger protein, 2	Mkrm2	297525	1,36	up
6105886	7257576	1516748	makorin, ring finger protein, 2	Mkrm2	297525	1,25	down
6068654	7257576	1516741	makorin, ring finger protein, 2	Mkrm2	297525	1,24	down
6677259	7257576	1516747	makorin, ring finger protein, 2	Mkrm2	297525	1,16	down
5917850	7257576	1516742	makorin, ring finger protein, 2	Mkrm2	297525	1,16	up
5676664	7257576	1516746	makorin, ring finger protein, 2	Mkrm2	297525	1,13	up
6637215	7257576	1516742	makorin, ring finger protein, 2	Mkrm2	297525	1,11	up
6651170	7257576	1516741	makorin, ring finger protein, 2	Mkrm2	297525	1,02	up
6126873	7257576	1516745	makorin, ring finger protein, 2	Mkrm2	297525	1,00	up
6222928	7317026	1664874	mal, T-cell differentiation protein 2	Mal2	362911	2,10	down
6104913	7317026	1664875	mal, T-cell differentiation protein 2	Mal2	362911	1,29	up
5672119	7317026	1664875	mal, T-cell differentiation protein 2	Mal2	362911	1,14	down
6462534	7317026	1664877	mal, T-cell differentiation protein 2	Mal2	362911	1,10	down
6437081	7317026	1664875	mal, T-cell differentiation protein 2	Mal2	362911	1,08	up
6410172	7317026	1664876	mal, T-cell differentiation protein 2	Mal2	362911	1,07	down
6193248	7317026	1664877	mal, T-cell differentiation protein 2	Mal2	362911	1,07	up
6660035	7317026	1664874	mal, T-cell differentiation protein 2	Mal2	362911	1,05	up
5852003	7317026	1664877	mal, T-cell differentiation protein 2	Mal2	362911	1,01	up
6228164	7378878	1818320	malignant T cell amplified sequence 1	Mcts1	302500	1,57	up
6274632	7378878	1818319	malignant T cell amplified sequence 1	Mcts1	302500	1,54	up
6274679	7378878	1818321	malignant T cell amplified sequence 1	Mcts1	302500	1,39	up
6652490	7378878	1818328	malignant T cell amplified sequence 1	Mcts1	302500	1,29	up
6142714	7378878	1818326	malignant T cell amplified sequence 1	Mcts1	302500	1,24	up
6651804	7378878	1818327	malignant T cell amplified sequence 1	Mcts1	302500	1,18	down
6291962	7378878	1818328	malignant T cell amplified sequence 1	Mcts1	302500	1,16	up
6207308	7378878	1818325	malignant T cell amplified sequence 1	Mcts1	302500	1,15	down
6679052	7378878	1818328	malignant T cell amplified sequence 1	Mcts1	302500	1,00	down
5873223	7307276	1640817	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	2,45	down
5843918	7307276	1640812	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,60	down
6619507	7307276	1640815	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,49	down
5668117	7307276	1640801	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,48	down
6258186	7307276	1640810	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,31	up
6314300	7307276	1640808	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,25	up

6502749	7307276	1640806	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,21	up
6190236	7307276	1640802	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,16	down
6044391	7307276	1640811	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,15	down
6293913	7307276	1640805	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,13	down
5868392	7307276	1640806	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,09	up
5979351	7307276	1640803	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,09	up
6516493	7307276	1640809	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,09	up
6461394	7307276	1640816	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,08	down
5821497	7307276	1640807	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,05	up
6017551	7307276	1640813	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,03	up
6116543	7307276	1640817	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,02	up
5687527	7307276	1640804	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,01	down
6214080	7307276	1640817	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,01	up
5767829	7307276	1640814	MAM domain containing glycosylphosphatidylinositol anchor 2	Mdga2	314180	1,00	down
6493968	7160415	1276227	mannose receptor, C type 1	Mrc1	291327	2,30	up
6622437	7160415	1276193	mannose receptor, C type 1	Mrc1	291327	1,54	up
6454638	7160415	1276224	mannose receptor, C type 1	Mrc1	291327	1,44	up
6618398	7160415	1276190	mannose receptor, C type 1	Mrc1	291327	1,44	up
6420214	7160415	1276231	mannose receptor, C type 1	Mrc1	291327	1,37	up
6199937	7160415	1276221	mannose receptor, C type 1	Mrc1	291327	1,36	up
6160225	7160415	1276199	mannose receptor, C type 1	Mrc1	291327	1,35	down
6740147	7160415	1276196	mannose receptor, C type 1	Mrc1	291327	1,26	up
6203223	7160415	1276204	mannose receptor, C type 1	Mrc1	291327	1,22	up
5736887	7160415	1276202	mannose receptor, C type 1	Mrc1	291327	1,20	down
6411135	7160415	1276200	mannose receptor, C type 1	Mrc1	291327	1,16	down
6548423	7160415	1276226	mannose receptor, C type 1	Mrc1	291327	1,15	up
6588273	7160415	1276203	mannose receptor, C type 1	Mrc1	291327	1,14	up
6094068	7160415	1276215	mannose receptor, C type 1	Mrc1	291327	1,14	down
5679067	7160415	1276210	mannose receptor, C type 1	Mrc1	291327	1,14	down
6422238	7160415	1276225	mannose receptor, C type 1	Mrc1	291327	1,13	down
6521554	7160415	1276213	mannose receptor, C type 1	Mrc1	291327	1,12	up
6015181	7160415	1276198	mannose receptor, C type 1	Mrc1	291327	1,11	down
6190047	7160415	1276197	mannose receptor, C type 1	Mrc1	291327	1,09	down
5872139	7160415	1276228	mannose receptor, C type 1	Mrc1	291327	1,09	up
6384016	7160415	1276204	mannose receptor, C type 1	Mrc1	291327	1,09	down
6021772	7160415	1276231	mannose receptor, C type 1	Mrc1	291327	1,09	up
6461368	7160415	1276229	mannose receptor, C type 1	Mrc1	291327	1,07	up
6513459	7160415	1276217	mannose receptor, C type 1	Mrc1	291327	1,06	up
6686545	7160415	1276216	mannose receptor, C type 1	Mrc1	291327	1,06	down
6055153	7160415	1276219	mannose receptor, C type 1	Mrc1	291327	1,05	up
6626097	7160415	1276222	mannose receptor, C type 1	Mrc1	291327	1,04	down
5953870	7160415	1276218	mannose receptor, C type 1	Mrc1	291327	1,04	down
6646573	7160415	1276201	mannose receptor, C type 1	Mrc1	291327	1,02	down
6610994	7160415	1276195	mannose receptor, C type 1	Mrc1	291327	1,02	down
6706732	7160415	1276230	mannose receptor, C type 1	Mrc1	291327	1,01	up
6628602	7160415	1276208	mannose receptor, C type 1	Mrc1	291327	1,01	down
5684185	7160415	1276231	mannose receptor, C type 1	Mrc1	291327	1,00	up
6058891	7367990	1789220	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,76	down
6023894	7367990	1789223	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,35	down
6078960	7367990	1789217	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,15	down
6522616	7367990	1789219	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,09	down
6641959	7367990	1789227	mannose-6-phosphate receptor binding protein 1	M6prbp1	316130	1,00	down
6635501	7291909	1601133	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,89	down
5660012	7291909	1601133	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,32	down
5898928	7291909	1601106	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,23	down
6642975	7291909	1601094	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,16	down
5695190	7291909	1601092	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,12	down

6257853	7291909	1601091	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,12	up
6219599	7291909	1601098	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,11	down
5627068	7291909	1601102	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,09	down
6029822	7291909	1601119	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,06	down
6630960	7291909	1601105	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,04	up
5887837	7291909	1601093	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,04	down
5865173	7291909	1601096	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,02	down
6133211	7291909	1601103	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,01	down
6379945	7291909	1601133	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,01	up
6708697	7291909	1601095	mannosidase, alpha, class 1C, member 1	Man1c1	362625	1,00	up
6742362	7183904	1335464	mannosidase, alpha, class 2B, member 1	Man2b1	361378	2,45	up
6616565	7183904	1335441	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,80	up
6464170	7183904	1335449	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,51	up
6656996	7183904	1335452	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,42	down
6005358	7183904	1335442	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,37	up
6453748	7183904	1335459	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,35	down
5876460	7183904	1335460	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,35	down
5622591	7183904	1335454	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,31	down
6050946	7183904	1335443	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,31	down
5843301	7183904	1335441	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,31	up
5984509	7183904	1335453	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,30	down
5963838	7183904	1335455	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,22	down
6368185	7183904	1335457	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,21	up
6133533	7183904	1335445	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,17	up
5864494	7183904	1335456	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,17	down
6639713	7183904	1335451	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,16	up
6137696	7183904	1335464	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,14	down
6543932	7183904	1335458	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,12	up
6706127	7183904	1335446	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,12	down
6534929	7183904	1335463	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,12	down
5971993	7183904	1335449	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,10	up
5674234	7183904	1335461	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,07	down
5690085	7183904	1335462	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,07	down
6307707	7183904	1335448	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,06	up
6322600	7183904	1335450	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,06	down
6567985	7183904	1335447	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,02	down
6173643	7183904	1335452	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,01	up
5821855	7183904	1335444	mannosidase, alpha, class 2B, member 1	Man2b1	361378	1,00	down
5805703	7199536	1374690	mannosidase, beta A, lysosomal	Manba	310864	2,22	down
6375518	7199536	1374695	mannosidase, beta A, lysosomal	Manba	310864	1,60	down
6451243	7199536	1374693	mannosidase, beta A, lysosomal	Manba	310864	1,56	down
6159576	7199536	1374690	mannosidase, beta A, lysosomal	Manba	310864	1,52	down
6694656	7199536	1374702	mannosidase, beta A, lysosomal	Manba	310864	1,42	up
5998852	7199536	1374706	mannosidase, beta A, lysosomal	Manba	310864	1,30	up
6213343	7199536	1374710	mannosidase, beta A, lysosomal	Manba	310864	1,28	down
6684857	7199536	1374694	mannosidase, beta A, lysosomal	Manba	310864	1,25	down
6297346	7199536	1374701	mannosidase, beta A, lysosomal	Manba	310864	1,25	down
6519904	7199536	1374704	mannosidase, beta A, lysosomal	Manba	310864	1,20	up
5880662	7199536	1374705	mannosidase, beta A, lysosomal	Manba	310864	1,10	up
6084013	7199536	1374702	mannosidase, beta A, lysosomal	Manba	310864	1,09	up
6613729	7199536	1374713	mannosidase, beta A, lysosomal	Manba	310864	1,09	up
5750515	7199536	1374713	mannosidase, beta A, lysosomal	Manba	310864	1,07	down
5989168	7199536	1374703	mannosidase, beta A, lysosomal	Manba	310864	1,06	down
6526620	7199536	1374712	mannosidase, beta A, lysosomal	Manba	310864	1,05	up
6730244	7199536	1374699	mannosidase, beta A, lysosomal	Manba	310864	1,05	up
6295066	7199536	1374698	mannosidase, beta A, lysosomal	Manba	310864	1,04	down
6565416	7199536	1374705	mannosidase, beta A, lysosomal	Manba	310864	1,02	down

5789614	7199536	1374711	mannosidase, beta A, lysosomal	Manba	310864	1,01	down
5631545	7199536	1374697	mannosidase, beta A, lysosomal	Manba	310864	1,00	down
6528106	7115090	1164829	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	2,30	down
6581077	7115090	1164825	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,74	up
6179162	7115090	1164835	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,73	up
6579022	7115090	1164831	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,55	down
5955193	7115090	1164828	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,48	up
6373001	7115090	1164831	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,45	down
5701992	7115090	1164826	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,39	up
6519968	7115090	1164832	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,31	up
5946213	7115090	1164831	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,29	down
6339918	7115090	1164822	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,28	up
6154766	7115090	1164821	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,23	down
5757497	7115090	1164824	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,17	up
6332222	7115090	1164826	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,15	down
5991262	7115090	1164827	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,14	up
6411778	7115090	1164833	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,13	down
6202901	7115090	1164834	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,13	down
5938203	7115090	1164836	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,10	down
6198782	7115090	1164825	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,10	up
6356548	7115090	1164823	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,09	up
6684752	7115090	1164823	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,08	up
5890429	7115090	1164838	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,07	down
5723161	7115090	1164830	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,02	down
5716802	7115090	1164837	MAP/microtubule affinity-regulating kinase 1	Mark1	117016	1,01	down
6695888	7060100	1031762	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	2,13	down
6530808	7060100	1031747	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,52	down
6684040	7060100	1031748	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,39	down
5773648	7060100	1031746	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,34	up
5681713	7060100	1031751	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,32	up
6133418	7060100	1031760	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,28	up
5808818	7060100	1031756	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,27	up
6623050	7060100	1031759	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,26	down
6257080	7060100	1031748	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,25	up
6656279	7060100	1031745	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,24	up
6516398	7060100	1031758	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,22	up
6178463	7060100	1031754	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,22	up
6670194	7060100	1031757	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,20	down
6249258	7060100	1031762	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,16	down
6334887	7060100	1031755	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,15	up
5875752	7060100	1031748	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,14	down
6406908	7060100	1031753	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,13	up
6198699	7060100	1031761	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,12	down
6594647	7060100	1031750	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,09	up
6514867	7060100	1031755	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,05	down
5944634	7060100	1031752	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,03	up
6408121	7060100	1031761	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,03	up
6325633	7060100	1031749	MAP/microtubule affinity-regulating kinase 2	Mark2	60328	1,01	up
6678332	7291032	1599343	MAP7 domain containing 1	Map7d1	681287	2,18	up
5741742	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	2,04	up
5645949	7291032	1599330	MAP7 domain containing 1	Map7d1	681287	1,76	up
6511484	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,71	down
6173305	7291032	1599339	MAP7 domain containing 1	Map7d1	681287	1,41	down
6014186	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,40	up
6342458	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,38	down
6623784	7291032	1599335	MAP7 domain containing 1	Map7d1	681287	1,34	up
6616044	7291032	1599340	MAP7 domain containing 1	Map7d1	681287	1,33	up

6117812	7291032	1599345	MAP7 domain containing 1	Map7d1	681287	1,32	up
6099112	7291032	1599340	MAP7 domain containing 1	Map7d1	681287	1,22	down
5840112	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,22	down
6243741	7291032	1599339	MAP7 domain containing 1	Map7d1	681287	1,21	up
6341219	7291032	1599332	MAP7 domain containing 1	Map7d1	681287	1,20	down
5691978	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,15	down
5627288	7291032	1599333	MAP7 domain containing 1	Map7d1	681287	1,13	up
6489881	7291032	1599336	MAP7 domain containing 1	Map7d1	681287	1,13	up
6033294	7291032	1599341	MAP7 domain containing 1	Map7d1	681287	1,13	down
6708579	7291032	1599346	MAP7 domain containing 1	Map7d1	681287	1,12	down
5913750	7291032	1599342	MAP7 domain containing 1	Map7d1	681287	1,05	up
5953769	7291032	1599333	MAP7 domain containing 1	Map7d1	681287	1,05	up
6745202	7291032	1599344	MAP7 domain containing 1	Map7d1	681287	1,05	up
6540106	7291032	1599334	MAP7 domain containing 1	Map7d1	681287	1,02	down
5825995	7291032	1599347	MAP7 domain containing 1	Map7d1	681287	1,01	up
6379159	7291032	1599346	MAP7 domain containing 1	Map7d1	681287	1,01	down
5721856	7291032	1599337	MAP7 domain containing 1	Map7d1	681287	1,00	up
6552214	7208436	1395316	mastermind like 3 (Drosophila)	Maml3	310405	1,62	down
6450990	7208436	1395318	mastermind like 3 (Drosophila)	Maml3	310405	1,55	down
5734825	7208436	1395347	mastermind like 3 (Drosophila)	Maml3	310405	1,35	up
6209947	7208436	1395320	mastermind like 3 (Drosophila)	Maml3	310405	1,25	up
6619837	7208436	1395347	mastermind like 3 (Drosophila)	Maml3	310405	1,17	down
6133085	7208436	1395321	mastermind like 3 (Drosophila)	Maml3	310405	1,14	up
6080211	7208436	1395316	mastermind like 3 (Drosophila)	Maml3	310405	1,10	up
6569462	7208436	1395347	mastermind like 3 (Drosophila)	Maml3	310405	1,09	up
5640128	7208436	1395347	mastermind like 3 (Drosophila)	Maml3	310405	1,08	up
5740902	7208436	1395316	mastermind like 3 (Drosophila)	Maml3	310405	1,06	up
6295317	7208436	1395347	mastermind like 3 (Drosophila)	Maml3	310405	1,02	down
5796330	7208436	1395347	mastermind like 3 (Drosophila)	Maml3	310405	1,01	down
6347833	7316054	1662262	matrilin 2	Matn2	299996	2,65	up
5766573	7316054	1662283	matrilin 2	Matn2	299996	2,32	down
6398650	7316054	1662300	matrilin 2	Matn2	299996	1,97	up
6463940	7316054	1662299	matrilin 2	Matn2	299996	1,92	down
6738318	7316054	1662271	matrilin 2	Matn2	299996	1,62	down
5679590	7316054	1662295	matrilin 2	Matn2	299996	1,45	down
6272973	7316054	1662298	matrilin 2	Matn2	299996	1,36	down
6619103	7316054	1662284	matrilin 2	Matn2	299996	1,20	down
5997659	7316054	1662293	matrilin 2	Matn2	299996	1,18	down
6460929	7316054	1662286	matrilin 2	Matn2	299996	1,18	down
5970062	7316054	1662289	matrilin 2	Matn2	299996	1,18	up
6651210	7316054	1662288	matrilin 2	Matn2	299996	1,15	up
6066756	7316054	1662297	matrilin 2	Matn2	299996	1,14	up
5985316	7316054	1662302	matrilin 2	Matn2	299996	1,13	up
6661784	7316054	1662301	matrilin 2	Matn2	299996	1,12	down
6484059	7316054	1662301	matrilin 2	Matn2	299996	1,10	up
6651362	7316054	1662282	matrilin 2	Matn2	299996	1,06	up
5652341	7332679	1701943	matrix metallopeptidase 10	Mmp10	117061	3,38	up
6630900	7332679	1701947	matrix metallopeptidase 10	Mmp10	117061	1,66	down
6646371	7332679	1701942	matrix metallopeptidase 10	Mmp10	117061	1,53	up
6556471	7332679	1701947	matrix metallopeptidase 10	Mmp10	117061	1,37	up
6215455	7332679	1701942	matrix metallopeptidase 10	Mmp10	117061	1,29	down
5788488	7332679	1701951	matrix metallopeptidase 10	Mmp10	117061	1,25	up
6202247	7332679	1701951	matrix metallopeptidase 10	Mmp10	117061	1,24	up
6056728	7332679	1701946	matrix metallopeptidase 10	Mmp10	117061	1,22	up
5731796	7332679	1701948	matrix metallopeptidase 10	Mmp10	117061	1,18	down
5675506	7332679	1701944	matrix metallopeptidase 10	Mmp10	117061	1,18	up
6605788	7332679	1701949	matrix metallopeptidase 10	Mmp10	117061	1,11	down

6601780	7332679	1701951	matrix metallopeptidase 10	Mmp10	117061	1,09	down
5981654	7332679	1701948	matrix metallopeptidase 10	Mmp10	117061	1,06	down
5781442	7332679	1701950	matrix metallopeptidase 10	Mmp10	117061	1,03	up
6448968	7332679	1701945	matrix metallopeptidase 10	Mmp10	117061	1,01	up
6363354	7332650	1701872	matrix metallopeptidase 13	Mmp13	171052	2,67	down
6654844	7332650	1701882	matrix metallopeptidase 13	Mmp13	171052	1,43	up
5831259	7332650	1701874	matrix metallopeptidase 13	Mmp13	171052	1,31	up
5763760	7332650	1701878	matrix metallopeptidase 13	Mmp13	171052	1,25	down
5991651	7332650	1701880	matrix metallopeptidase 13	Mmp13	171052	1,22	down
6034946	7332650	1701875	matrix metallopeptidase 13	Mmp13	171052	1,15	up
6431302	7332650	1701882	matrix metallopeptidase 13	Mmp13	171052	1,15	up
6618067	7332650	1701876	matrix metallopeptidase 13	Mmp13	171052	1,14	up
6314326	7332650	1701876	matrix metallopeptidase 13	Mmp13	171052	1,14	down
5698905	7332650	1701881	matrix metallopeptidase 13	Mmp13	171052	1,08	down
5886760	7332650	1701873	matrix metallopeptidase 13	Mmp13	171052	1,07	up
5806797	7332650	1701879	matrix metallopeptidase 13	Mmp13	171052	1,05	down
6433172	7332650	1701880	matrix metallopeptidase 13	Mmp13	171052	1,02	down
6210728	7273057	1555532	matrix metallopeptidase 16	Mmp16	65205	2,18	down
6472672	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,93	down
6023750	7273057	1555529	matrix metallopeptidase 16	Mmp16	65205	1,64	down
6417101	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,34	down
5750191	7273057	1555537	matrix metallopeptidase 16	Mmp16	65205	1,30	down
6176017	7273057	1555531	matrix metallopeptidase 16	Mmp16	65205	1,23	down
6435561	7273057	1555534	matrix metallopeptidase 16	Mmp16	65205	1,17	up
5841192	7273057	1555535	matrix metallopeptidase 16	Mmp16	65205	1,13	up
6342847	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,13	up
6059443	7273057	1555536	matrix metallopeptidase 16	Mmp16	65205	1,12	down
5817429	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,08	up
6593983	7273057	1555537	matrix metallopeptidase 16	Mmp16	65205	1,08	up
6130287	7273057	1555528	matrix metallopeptidase 16	Mmp16	65205	1,07	up
6690916	7273057	1555537	matrix metallopeptidase 16	Mmp16	65205	1,07	down
5818668	7273057	1555529	matrix metallopeptidase 16	Mmp16	65205	1,05	up
6599435	7273057	1555533	matrix metallopeptidase 16	Mmp16	65205	1,02	up
5624656	7273057	1555530	matrix metallopeptidase 16	Mmp16	65205	1,02	up
6719292	7183186	1333591	matrix metallopeptidase 2	Mmp2	81686	2,13	up
5885304	7183186	1333587	matrix metallopeptidase 2	Mmp2	81686	1,59	up
5648823	7183186	1333586	matrix metallopeptidase 2	Mmp2	81686	1,24	down
6351823	7183186	1333592	matrix metallopeptidase 2	Mmp2	81686	1,21	up
5824387	7183186	1333597	matrix metallopeptidase 2	Mmp2	81686	1,20	down
6283215	7183186	1333596	matrix metallopeptidase 2	Mmp2	81686	1,19	down
6253302	7183186	1333588	matrix metallopeptidase 2	Mmp2	81686	1,18	up
5712575	7183186	1333593	matrix metallopeptidase 2	Mmp2	81686	1,16	down
5850744	7183186	1333590	matrix metallopeptidase 2	Mmp2	81686	1,15	down
6327512	7183186	1333597	matrix metallopeptidase 2	Mmp2	81686	1,12	down
6539240	7183186	1333594	matrix metallopeptidase 2	Mmp2	81686	1,08	down
5834180	7183186	1333584	matrix metallopeptidase 2	Mmp2	81686	1,05	down
6462553	7183186	1333589	matrix metallopeptidase 2	Mmp2	81686	1,05	down
6459507	7183186	1333585	matrix metallopeptidase 2	Mmp2	81686	1,04	down
5869126	7183186	1333595	matrix metallopeptidase 2	Mmp2	81686	1,02	up
6469361	7332664	1701917	matrix metallopeptidase 3	Mmp3	171045	2,38	down
5818900	7332664	1701912	matrix metallopeptidase 3	Mmp3	171045	1,75	down
6461907	7332664	1701911	matrix metallopeptidase 3	Mmp3	171045	1,60	up
6594885	7332664	1701916	matrix metallopeptidase 3	Mmp3	171045	1,50	down
5666039	7332664	1701914	matrix metallopeptidase 3	Mmp3	171045	1,47	down
5723961	7332664	1701915	matrix metallopeptidase 3	Mmp3	171045	1,47	up
6029585	7332664	1701912	matrix metallopeptidase 3	Mmp3	171045	1,33	down
5881980	7332664	1701917	matrix metallopeptidase 3	Mmp3	171045	1,23	up

6213504	7332664	1701911	matrix metallopeptidase 3	Mmp3	171045	1,20	up
5704401	7332664	1701913	matrix metallopeptidase 3	Mmp3	171045	1,18	up
5707623	7332664	1701910	matrix metallopeptidase 3	Mmp3	171045	1,09	up
5768959	7332664	1701908	matrix metallopeptidase 3	Mmp3	171045	1,07	up
6286224	7332664	1701918	matrix metallopeptidase 3	Mmp3	171045	1,06	up
6212996	7332664	1701909	matrix metallopeptidase 3	Mmp3	171045	1,03	down
6334035	7235378	1461642	matrix metallopeptidase 9	Mmp9	81687	3,60	up
6745559	7235378	1461641	matrix metallopeptidase 9	Mmp9	81687	1,81	up
6317790	7235378	1461652	matrix metallopeptidase 9	Mmp9	81687	1,62	down
5898562	7235378	1461646	matrix metallopeptidase 9	Mmp9	81687	1,47	down
6292411	7235378	1461638	matrix metallopeptidase 9	Mmp9	81687	1,37	down
5769552	7235378	1461645	matrix metallopeptidase 9	Mmp9	81687	1,30	up
6174505	7235378	1461649	matrix metallopeptidase 9	Mmp9	81687	1,19	down
6272964	7235378	1461647	matrix metallopeptidase 9	Mmp9	81687	1,16	up
6598826	7235378	1461650	matrix metallopeptidase 9	Mmp9	81687	1,14	down
6609566	7235378	1461640	matrix metallopeptidase 9	Mmp9	81687	1,11	down
5935259	7235378	1461648	matrix metallopeptidase 9	Mmp9	81687	1,09	down
6582190	7235378	1461643	matrix metallopeptidase 9	Mmp9	81687	1,09	up
6127485	7235378	1461652	matrix metallopeptidase 9	Mmp9	81687	1,08	down
6407444	7235378	1461639	matrix metallopeptidase 9	Mmp9	81687	1,08	down
5862708	7235378	1461651	matrix metallopeptidase 9	Mmp9	81687	1,06	up
6078094	7235378	1461644	matrix metallopeptidase 9	Mmp9	81687	1,05	up
5670040	7235378	1461642	matrix metallopeptidase 9	Mmp9	81687	1,03	down
5972249	7043189	993061	MAX interactor 1	Mxi1	25701	2,17	up
6573734	7043189	993067	MAX interactor 1	Mxi1	25701	1,26	down
6089514	7043189	993066	MAX interactor 1	Mxi1	25701	1,14	up
6349756	7043189	993065	MAX interactor 1	Mxi1	25701	1,12	down
5787771	7043189	993064	MAX interactor 1	Mxi1	25701	1,09	down
6364926	7043189	993063	MAX interactor 1	Mxi1	25701	1,07	down
5882982	7043189	993067	MAX interactor 1	Mxi1	25701	1,03	up
5781661	7043189	993062	MAX interactor 1	Mxi1	25701	1,03	down
6249054	7072225	1061401	MAX-like protein X	MLx	360631	1,45	down
6226958	7072225	1061402	MAX-like protein X	MLx	360631	1,27	down
6455550	7072225	1061404	MAX-like protein X	MLx	360631	1,22	down
6421553	7072225	1061405	MAX-like protein X	MLx	360631	1,16	down
5921393	7072225	1061403	MAX-like protein X	MLx	360631	1,14	up
6333065	7072225	1061405	MAX-like protein X	MLx	360631	1,13	down
6204334	7072225	1061407	MAX-like protein X	MLx	360631	1,13	down
6374605	7072225	1061406	MAX-like protein X	MLx	360631	1,06	down
5958294	7072225	1061401	MAX-like protein X	MLx	360631	1,03	up
6050836	7072225	1061401	MAX-like protein X	MLx	360631	1,03	up
6150680	7072225	1061401	MAX-like protein X	MLx	360631	1,02	up
6272173	7072225	1061401	MAX-like protein X	MLx	360631	1,00	up
5944865	7322009	1676622	megakaryocyte-associated tyrosine kinase	Matk	60450	2,31	up
6389875	7322009	1676616	megakaryocyte-associated tyrosine kinase	Matk	60450	1,82	down
6513752	7322009	1676617	megakaryocyte-associated tyrosine kinase	Matk	60450	1,46	up
6536935	7322009	1676612	megakaryocyte-associated tyrosine kinase	Matk	60450	1,40	down
6468543	7322009	1676613	megakaryocyte-associated tyrosine kinase	Matk	60450	1,31	down
6382177	7322009	1676618	megakaryocyte-associated tyrosine kinase	Matk	60450	1,19	down
6488446	7322009	1676610	megakaryocyte-associated tyrosine kinase	Matk	60450	1,15	down
5720324	7322009	1676615	megakaryocyte-associated tyrosine kinase	Matk	60450	1,13	up
6486630	7322009	1676621	megakaryocyte-associated tyrosine kinase	Matk	60450	1,13	up
6493822	7322009	1676614	megakaryocyte-associated tyrosine kinase	Matk	60450	1,11	up
6691537	7322009	1676620	megakaryocyte-associated tyrosine kinase	Matk	60450	1,09	down
6062521	7322009	1676611	megakaryocyte-associated tyrosine kinase	Matk	60450	1,08	down
5630894	7322009	1676612	megakaryocyte-associated tyrosine kinase	Matk	60450	1,08	down
6269917	7322009	1676619	megakaryocyte-associated tyrosine kinase	Matk	60450	1,03	up

6108010	7322009	1676618	megakaryocyte-associated tyrosine kinase	Matk	60450	1,02	down
6221341	7330623	1696953	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	2,27	down
6633191	7330623	1696946	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,85	up
6312723	7330623	1696956	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,83	down
5848794	7330623	1696955	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,52	up
5857724	7330623	1696951	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,51	down
5872842	7330623	1696949	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,39	down
6038510	7330623	1696960	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,33	up
5806761	7330623	1696945	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,30	up
5916715	7330623	1696952	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,27	down
6697086	7330623	1696958	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,24	down
6340058	7330623	1696946	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,15	down
5632095	7330623	1696950	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,11	up
6009397	7330623	1696957	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,10	up
5629428	7330623	1696946	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,05	down
5892766	7330623	1696944	megalencephalic leukoencephalopathy with subcortical cysts 1 homolog (human)	Mlc1	315215	1,00	up
6298303	7128539	1197674	Meis homeobox 1	Meis1	686117	1,51	down
6001830	7128539	1197667	Meis homeobox 1	Meis1	686117	1,36	down
6343650	7128539	1197667	Meis homeobox 1	Meis1	686117	1,31	down
5810813	7128539	1197667	Meis homeobox 1	Meis1	686117	1,29	up
6530358	7128539	1197669	Meis homeobox 1	Meis1	686117	1,27	down
6369212	7128539	1197665	Meis homeobox 1	Meis1	686117	1,26	up
6561869	7128539	1197692	Meis homeobox 1	Meis1	686117	1,26	down
6344881	7128539	1197664	Meis homeobox 1	Meis1	686117	1,25	up
5841723	7128539	1197697	Meis homeobox 1	Meis1	686117	1,22	up
5988713	7128539	1197702	Meis homeobox 1	Meis1	686117	1,17	up
6045376	7128539	1197695	Meis homeobox 1	Meis1	686117	1,17	down
5728217	7128539	1197677	Meis homeobox 1	Meis1	686117	1,10	up
6196433	7128539	1197699	Meis homeobox 1	Meis1	686117	1,05	down
6680837	7128539	1197688	Meis homeobox 1	Meis1	686117	1,01	up
6389586	7029078	958875	Meis homeobox 3	Meis3	361514	1,42	up
6417268	7029078	958878	Meis homeobox 3	Meis3	361514	1,32	down
5939755	7029078	958875	Meis homeobox 3	Meis3	361514	1,22	down
5749769	7029078	958884	Meis homeobox 3	Meis3	361514	1,22	down
6045129	7029078	958883	Meis homeobox 3	Meis3	361514	1,21	up
6534120	7029078	958876	Meis homeobox 3	Meis3	361514	1,20	up
5767945	7029078	958872	Meis homeobox 3	Meis3	361514	1,12	up
6402186	7029078	958875	Meis homeobox 3	Meis3	361514	1,11	down
6127606	7029078	958879	Meis homeobox 3	Meis3	361514	1,10	down
6322770	7029078	958877	Meis homeobox 3	Meis3	361514	1,09	down
5740671	7029078	958880	Meis homeobox 3	Meis3	361514	1,08	up
5962574	7029078	958881	Meis homeobox 3	Meis3	361514	1,06	up
6662186	7029078	958882	Meis homeobox 3	Meis3	361514	1,00	down
5643493	7243363	1481615	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	2,98	down
6466614	7243363	1481624	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,75	down
6306492	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,62	up
6728310	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,59	up
5787533	7243363	1481603	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,57	up
6264492	7243363	1481615	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,50	down
6481807	7243363	1481620	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,50	up
6198261	7243363	1481619	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,43	down
6553353	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,38	down
6606393	7243363	1481624	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,36	down
6056491	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,33	up
6152648	7243363	1481587	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,26	down
6295724	7243363	1481584	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,26	down
5792471	7243363	1481594	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,26	down

5704531	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,24	down
6310451	7243363	1481623	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,23	down
6353800	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,20	up
5951238	7243363	1481582	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,16	down
5868010	7243363	1481621	Meis1, myeloid ecotropic viral integration site 1 homolog 2	Meis2	311311	1,06	up
5945900	7322260	1677067	melanoma associated antigen (mutated) 1	Mum1	362838	2,28	down
6068330	7322260	1677065	melanoma associated antigen (mutated) 1	Mum1	362838	1,27	up
5818389	7322260	1677068	melanoma associated antigen (mutated) 1	Mum1	362838	1,26	down
5706482	7322260	1677069	melanoma associated antigen (mutated) 1	Mum1	362838	1,14	up
6378262	7322260	1677074	melanoma associated antigen (mutated) 1	Mum1	362838	1,12	up
6610317	7322260	1677064	melanoma associated antigen (mutated) 1	Mum1	362838	1,11	down
6047552	7322260	1677066	melanoma associated antigen (mutated) 1	Mum1	362838	1,11	down
6676705	7322260	1677062	melanoma associated antigen (mutated) 1	Mum1	362838	1,11	up
6355605	7322260	1677070	melanoma associated antigen (mutated) 1	Mum1	362838	1,08	up
6234210	7322260	1677073	melanoma associated antigen (mutated) 1	Mum1	362838	1,05	down
5930832	7322260	1677071	melanoma associated antigen (mutated) 1	Mum1	362838	1,04	up
6183282	7322260	1677062	melanoma associated antigen (mutated) 1	Mum1	362838	1,02	down
5978838	7322260	1677066	melanoma associated antigen (mutated) 1	Mum1	362838	1,02	up
5801959	7322260	1677067	melanoma associated antigen (mutated) 1	Mum1	362838	1,01	down
6530208	7363568	1778141	melanoregulin	Mreg	501162	1,16	up
6658914	7151519	1254303	melatonin receptor 1A	Mtnr1a	114211	1,16	down
6319821	7151519	1254297	melatonin receptor 1A	Mtnr1a	114211	1,07	up
6519359	7312575	1653360	membralin	Mbrl	299608	1,72	down
5853559	7312575	1653360	membralin	Mbrl	299608	1,36	up
6678663	7312575	1653355	membralin	Mbrl	299608	1,31	down
6064749	7312575	1653359	membralin	Mbrl	299608	1,30	up
6261964	7312575	1653354	membralin	Mbrl	299608	1,30	down
6675432	7312575	1653357	membralin	Mbrl	299608	1,14	down
6088829	7312575	1653356	membralin	Mbrl	299608	1,07	up
6535082	7312575	1653358	membralin	Mbrl	299608	1,07	up
6475156	7312575	1653353	membralin	Mbrl	299608	1,06	down
6019793	7312575	1653359	membralin	Mbrl	299608	1,03	up
6064020	7312575	1653359	membralin	Mbrl	299608	1,01	up
6343851	7312575	1653359	membralin	Mbrl	299608	1,01	down
6424905	7212308	1404019	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	2,45	down
6294277	7212308	1404034	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	2,02	up
6279125	7212308	1404024	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,92	up
6170654	7212308	1404015	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,64	down
5674835	7212308	1404023	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,56	down
6067736	7212308	1404015	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,44	up
6621989	7212308	1404022	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,39	up
6151160	7212308	1404030	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,30	down
6682420	7212308	1404025	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,29	down
6578232	7212308	1404028	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,28	up
5668216	7212308	1404016	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,28	up
5929301	7212308	1404027	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,25	up
5812062	7212308	1404033	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,16	down
6367868	7212308	1404017	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,13	up
6728002	7212308	1404035	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,12	down
5745527	7212308	1404018	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,12	down
6502643	7212308	1404015	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,11	down
6272516	7212308	1404031	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,08	down
5685599	7212308	1404021	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,07	down
6543030	7212308	1404020	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,06	down
6418477	7212308	1404026	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,05	up
5986838	7212308	1404035	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,05	down
6165642	7212308	1404032	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,04	down

6639766	7212308	1404029	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,03	down
6410237	7212308	1404034	membrane associated guanylate kinase, WW and PDZ domain containing 3	Magi3	245903	1,00	down
5820981	7253602	1506480	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	2,17	down
6299979	7253602	1506480	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,60	down
6560436	7253602	1506491	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,32	down
5860613	7253602	1506484	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,29	up
6239645	7253602	1506488	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,23	up
6243181	7253602	1506487	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,13	up
5644188	7253602	1506485	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,09	up
6744905	7253602	1506492	membrane protein, palmitoylated 6 (MAGUK p55 subfamily member 6)	Mpp6	362359	1,09	up
6511620	7150348	1251398	membrane-associated ring finger (C3HC4) 1	March1	361135	2,06	down
5854394	7150348	1251382	membrane-associated ring finger (C3HC4) 1	March1	361135	1,05	up
5724497	7150348	1251385	membrane-associated ring finger (C3HC4) 1	March1	361135	1,04	down
6591212	7150348	1251393	membrane-associated ring finger (C3HC4) 1	March1	361135	1,03	up
6236003	7150348	1251405	membrane-associated ring finger (C3HC4) 1	March1	361135	1,01	down
6271869	7150348	1251382	membrane-associated ring finger (C3HC4) 1	March1	361135	1,01	down
5829594	7363576	1778170	membrane-associated ring finger (C3HC4) 4	March4	367295	1,02	down
6195248	7041635	989633	membrane-associated ring finger (C3HC4) 5	March5	294079	1,79	down
6369937	7041635	989637	membrane-associated ring finger (C3HC4) 5	March5	294079	1,69	up
6184117	7041635	989636	membrane-associated ring finger (C3HC4) 5	March5	294079	1,57	up
6687094	7041635	989639	membrane-associated ring finger (C3HC4) 5	March5	294079	1,22	up
6080410	7041635	989641	membrane-associated ring finger (C3HC4) 5	March5	294079	1,19	down
5948811	7041635	989638	membrane-associated ring finger (C3HC4) 5	March5	294079	1,18	up
6248620	7041635	989640	membrane-associated ring finger (C3HC4) 5	March5	294079	1,06	up
6613259	7227870	1442102	membrane-associated ring finger (C3HC4) 7	March7	311059	2,10	down
6710304	7227870	1442105	membrane-associated ring finger (C3HC4) 7	March7	311059	1,99	up
6217376	7227870	1442110	membrane-associated ring finger (C3HC4) 7	March7	311059	1,66	down
6480847	7227870	1442109	membrane-associated ring finger (C3HC4) 7	March7	311059	1,20	up
5711015	7227870	1442103	membrane-associated ring finger (C3HC4) 7	March7	311059	1,10	down
5846326	7227870	1442107	membrane-associated ring finger (C3HC4) 7	March7	311059	1,09	up
6175827	7227870	1442106	membrane-associated ring finger (C3HC4) 7	March7	311059	1,09	up
5930234	7227870	1442108	membrane-associated ring finger (C3HC4) 7	March7	311059	1,04	up
6108318	7227870	1442104	membrane-associated ring finger (C3HC4) 7	March7	311059	1,03	up
5661049	7251414	1501010	met proto-oncogene	Met	24553	2,26	down
6016380	7251414	1501011	met proto-oncogene	Met	24553	1,79	down
6485700	7251414	1501012	met proto-oncogene	Met	24553	1,47	up
6312786	7251414	1501018	met proto-oncogene	Met	24553	1,45	down
5908798	7251414	1501022	met proto-oncogene	Met	24553	1,35	up
5920172	7251414	1501013	met proto-oncogene	Met	24553	1,34	down
6222122	7251414	1501013	met proto-oncogene	Met	24553	1,29	down
6234437	7251414	1501009	met proto-oncogene	Met	24553	1,27	up
5716522	7251414	1501023	met proto-oncogene	Met	24553	1,26	down
6183552	7251414	1501017	met proto-oncogene	Met	24553	1,26	up
6421056	7251414	1501023	met proto-oncogene	Met	24553	1,18	down
5763549	7251414	1501004	met proto-oncogene	Met	24553	1,17	down
6139728	7251414	1501021	met proto-oncogene	Met	24553	1,15	up
5723306	7251414	1501016	met proto-oncogene	Met	24553	1,15	up
5896979	7251414	1501007	met proto-oncogene	Met	24553	1,13	up
5706038	7251414	1501010	met proto-oncogene	Met	24553	1,11	down
6441448	7251414	1501005	met proto-oncogene	Met	24553	1,10	down
5774937	7251414	1501004	met proto-oncogene	Met	24553	1,10	up
6208688	7251414	1501015	met proto-oncogene	Met	24553	1,09	up
5620600	7251414	1501019	met proto-oncogene	Met	24553	1,08	up
5736422	7251414	1501007	met proto-oncogene	Met	24553	1,07	down
5924834	7251414	1501006	met proto-oncogene	Met	24553	1,06	down
6645522	7251414	1501008	met proto-oncogene	Met	24553	1,06	up
5795919	7251414	1501014	met proto-oncogene	Met	24553	1,05	up

5695180	7251414	1501015	met proto-oncogene	Met	24553	1,03	up
6417161	7251414	1501020	met proto-oncogene	Met	24553	1,02	down
6580390	7182917	1332974	metallothionein 1a	Mt1a	24567	5,97	down
6510346	7182917	1332972	metallothionein 1a	Mt1a	24567	1,19	up
6433979	7182917	1332971	metallothionein 1a	Mt1a	24567	1,10	up
6254479	7182917	1332973	metallothionein 1a	Mt1a	24567	1,10	up
6108822	7143867	1235736	methionine adenosyltransferase I, alpha	Mat1a	25331	2,57	down
5692870	7143867	1235729	methionine adenosyltransferase I, alpha	Mat1a	25331	1,38	down
6188657	7143867	1235731	methionine adenosyltransferase I, alpha	Mat1a	25331	1,35	down
6719369	7143867	1235736	methionine adenosyltransferase I, alpha	Mat1a	25331	1,29	down
5955206	7143867	1235735	methionine adenosyltransferase I, alpha	Mat1a	25331	1,29	up
5693203	7143867	1235735	methionine adenosyltransferase I, alpha	Mat1a	25331	1,21	up
6666788	7143867	1235730	methionine adenosyltransferase I, alpha	Mat1a	25331	1,16	up
6370235	7143867	1235732	methionine adenosyltransferase I, alpha	Mat1a	25331	1,16	down
5984361	7143867	1235734	methionine adenosyltransferase I, alpha	Mat1a	25331	1,08	up
6151923	7143867	1235733	methionine adenosyltransferase I, alpha	Mat1a	25331	1,03	down
6737932	7143867	1235736	methionine adenosyltransferase I, alpha	Mat1a	25331	1,03	up
6375963	7228656	1444225	methionine aminopeptidase 1D	Map1d	311748	2,36	up
5733020	7228656	1444244	methionine aminopeptidase 1D	Map1d	311748	1,74	up
6460675	7228656	1444251	methionine aminopeptidase 1D	Map1d	311748	1,60	up
6517097	7228656	1444252	methionine aminopeptidase 1D	Map1d	311748	1,39	down
6219559	7228656	1444225	methionine aminopeptidase 1D	Map1d	311748	1,27	up
6218279	7228656	1444245	methionine aminopeptidase 1D	Map1d	311748	1,15	down
5952630	7228656	1444254	methionine aminopeptidase 1D	Map1d	311748	1,14	down
6398489	7228656	1444247	methionine aminopeptidase 1D	Map1d	311748	1,09	down
5882865	7228656	1444253	methionine aminopeptidase 1D	Map1d	311748	1,08	down
6387600	7228656	1444242	methionine aminopeptidase 1D	Map1d	311748	1,05	up
6076477	7228656	1444254	methionine aminopeptidase 1D	Map1d	311748	1,00	down
6146385	7228656	1444243	methionine aminopeptidase 1D	Map1d	311748	1,00	up
5634551	7202917	1382490	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	2,56	up
6556138	7202917	1382488	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	2,02	up
6684114	7202917	1382493	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,65	down
6259639	7202917	1382504	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,43	down
5634010	7202917	1382498	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,40	down
5882029	7202917	1382503	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,35	up
5899687	7202917	1382489	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,30	up
5981085	7202917	1382497	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,24	down
6573750	7202917	1382502	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,20	down
6569457	7202917	1382501	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,19	up
6742751	7202917	1382493	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,15	up
5983633	7202917	1382496	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,14	down
6450162	7202917	1382504	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,13	up
6192964	7202917	1382494	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,13	up
6250638	7202917	1382500	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,12	down
5884251	7202917	1382495	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,11	up
6018390	7202917	1382499	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,10	up
6190923	7202917	1382487	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,07	up
6634765	7202917	1382491	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,04	up
6289402	7202917	1382492	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)	Mccc2	361884	1,03	up
6333422	7299481	1620434	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	2,07	down
6549202	7299481	1620440	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,96	up
6088471	7299481	1620457	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,82	up
5942183	7299481	1620453	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,80	up
6491103	7299481	1620439	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,50	down
5874617	7299481	1620433	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,50	down
6741361	7299481	1620435	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,44	down
6040027	7299481	1620441	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,40	down

5979545	7299481	1620458	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,39	down
6697482	7299481	1620460	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,38	down
6198243	7299481	1620450	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,37	down
6517378	7299481	1620456	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,36	up
5736719	7299481	1620444	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,36	down
6030492	7299481	1620448	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,33	up
6256326	7299481	1620454	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,32	down
6661938	7299481	1620459	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,32	up
6641603	7299481	1620446	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,27	up
6696546	7299481	1620443	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,20	up
6013473	7299481	1620436	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,16	down
6531673	7299481	1620447	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,15	up
6729463	7299481	1620445	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,10	down
5843108	7299481	1620452	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,10	up
5710904	7299481	1620451	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,09	up
6572777	7299481	1620433	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,09	down
5994076	7299481	1620442	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,07	up
6006228	7299481	1620438	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,06	up
5754108	7299481	1620437	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,03	down
6527787	7299481	1620449	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,01	up
6285440	7299481	1620455	methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 1, methenyltetrahydrofolate cyclohyd	Mthfd1	64300	1,01	up
6549930	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,99	down
5734197	7180243	1325503	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,91	up
5753349	7180243	1325514	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,49	up
6411786	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,26	up
6072887	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,11	up
6355657	7180243	1325506	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,09	up
5661170	7180243	1325514	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,07	down
6094451	7180243	1325503	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,06	up
6288199	7180243	1325510	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,04	down
6315817	7180243	1325511	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,04	down
6092102	7180243	1325513	methylmalonic aciduria (cobalamin deficiency) cblA type	Mmaa	291939	1,02	up
5820442	7226099	1437318	methyltransferase like 11A	Mettl1a	362103	2,16	down
6200177	7226099	1437317	methyltransferase like 11A	Mettl1a	362103	1,86	up
6111108	7226099	1437316	methyltransferase like 11A	Mettl1a	362103	1,48	up
6376456	7226099	1437315	methyltransferase like 11A	Mettl1a	362103	1,39	down
6221032	7226099	1437314	methyltransferase like 11A	Mettl1a	362103	1,32	down
5730463	7226099	1437315	methyltransferase like 11A	Mettl1a	362103	1,17	down
6596416	7226099	1437314	methyltransferase like 11A	Mettl1a	362103	1,14	up
6353573	7072748	1062585	methyltransferase like 2	Mettl2	363687	2,29	down
6634958	7072748	1062592	methyltransferase like 2	Mettl2	363687	1,45	up
6509193	7072748	1062585	methyltransferase like 2	Mettl2	363687	1,39	down
5724969	7072748	1062588	methyltransferase like 2	Mettl2	363687	1,37	down
5874514	7072748	1062593	methyltransferase like 2	Mettl2	363687	1,35	up
6214590	7072748	1062589	methyltransferase like 2	Mettl2	363687	1,34	up
6134278	7072748	1062586	methyltransferase like 2	Mettl2	363687	1,30	down
6232727	7072748	1062593	methyltransferase like 2	Mettl2	363687	1,29	down
5655078	7072748	1062593	methyltransferase like 2	Mettl2	363687	1,17	up
5918179	7072748	1062591	methyltransferase like 2	Mettl2	363687	1,17	down
5921831	7072748	1062590	methyltransferase like 2	Mettl2	363687	1,10	up
6450258	7072748	1062587	methyltransferase like 2	Mettl2	363687	1,09	up
6073732	7216994	1415204	MHC class I RT1.Aa alpha-chain /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locu /// RT1-Aw2 /// R'09627 /// 24737 ///			1,05	down
6068621	7216994	1415204	MHC class I RT1.Aa alpha-chain /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locu /// RT1-Aw2 /// R'09627 /// 24737 ///			1,03	down
5858952	7153136	1258016	microcephalin 1	Mcph1	306594	1,23	down
6260408	7179756	1324356	microtubule associated serine/threonine kinase 1	MAST1	353118	2,10	down
6188231	7179756	1324373	microtubule associated serine/threonine kinase 1	MAST1	353118	1,96	down
5843898	7179756	1324361	microtubule associated serine/threonine kinase 1	MAST1	353118	1,82	up

6055356	7179756	1324372	microtubule associated serine/threonine kinase 1	MAST1	353118	1,68	down
5668014	7179756	1324359	microtubule associated serine/threonine kinase 1	MAST1	353118	1,62	up
6489628	7179756	1324357	microtubule associated serine/threonine kinase 1	MAST1	353118	1,56	up
5965253	7179756	1324366	microtubule associated serine/threonine kinase 1	MAST1	353118	1,55	down
5843522	7179756	1324365	microtubule associated serine/threonine kinase 1	MAST1	353118	1,51	down
6572872	7179756	1324378	microtubule associated serine/threonine kinase 1	MAST1	353118	1,49	down
6609990	7179756	1324358	microtubule associated serine/threonine kinase 1	MAST1	353118	1,45	down
5700249	7179756	1324362	microtubule associated serine/threonine kinase 1	MAST1	353118	1,45	down
6652540	7179756	1324373	microtubule associated serine/threonine kinase 1	MAST1	353118	1,43	up
6615196	7179756	1324377	microtubule associated serine/threonine kinase 1	MAST1	353118	1,43	down
6098540	7179756	1324353	microtubule associated serine/threonine kinase 1	MAST1	353118	1,40	down
5701508	7179756	1324363	microtubule associated serine/threonine kinase 1	MAST1	353118	1,36	down
6673512	7179756	1324355	microtubule associated serine/threonine kinase 1	MAST1	353118	1,35	down
5953205	7179756	1324354	microtubule associated serine/threonine kinase 1	MAST1	353118	1,25	down
5789284	7179756	1324352	microtubule associated serine/threonine kinase 1	MAST1	353118	1,23	up
5960411	7179756	1324371	microtubule associated serine/threonine kinase 1	MAST1	353118	1,21	up
5893962	7179756	1324364	microtubule associated serine/threonine kinase 1	MAST1	353118	1,21	up
6379046	7179756	1324367	microtubule associated serine/threonine kinase 1	MAST1	353118	1,20	up
5648405	7179756	1324370	microtubule associated serine/threonine kinase 1	MAST1	353118	1,19	up
6629455	7179756	1324378	microtubule associated serine/threonine kinase 1	MAST1	353118	1,14	up
6669566	7179756	1324374	microtubule associated serine/threonine kinase 1	MAST1	353118	1,14	up
5944135	7179756	1324378	microtubule associated serine/threonine kinase 1	MAST1	353118	1,06	up
5970990	7179756	1324375	microtubule associated serine/threonine kinase 1	MAST1	353118	1,05	down
5715603	7179756	1324369	microtubule associated serine/threonine kinase 1	MAST1	353118	1,05	down
5843237	7179756	1324368	microtubule associated serine/threonine kinase 1	MAST1	353118	1,02	up
5763123	7179756	1324360	microtubule associated serine/threonine kinase 1	MAST1	353118	1,01	up
6573409	7355552	1758778	microtubule-associated protein 2	Map2	25595	3,43	up
6085930	7355552	1758769	microtubule-associated protein 2	Map2	25595	2,56	up
6732301	7355552	1758771	microtubule-associated protein 2	Map2	25595	2,07	up
5786355	7355552	1758770	microtubule-associated protein 2	Map2	25595	1,73	up
6050102	7355552	1758774	microtubule-associated protein 2	Map2	25595	1,57	down
5720857	7355552	1758776	microtubule-associated protein 2	Map2	25595	1,54	down
6167937	7355552	1758779	microtubule-associated protein 2	Map2	25595	1,42	down
5732759	7355552	1758771	microtubule-associated protein 2	Map2	25595	1,32	up
5853125	7355552	1758778	microtubule-associated protein 2	Map2	25595	1,24	down
5624204	7355552	1758774	microtubule-associated protein 2	Map2	25595	1,20	down
6324804	7355552	1758781	microtubule-associated protein 2	Map2	25595	1,19	down
6235843	7355552	1758773	microtubule-associated protein 2	Map2	25595	1,16	down
6445063	7355552	1758783	microtubule-associated protein 2	Map2	25595	1,14	up
6102156	7355552	1758777	microtubule-associated protein 2	Map2	25595	1,08	down
5720084	7355552	1758775	microtubule-associated protein 2	Map2	25595	1,08	down
5775358	7355552	1758782	microtubule-associated protein 2	Map2	25595	1,06	down
6625718	7355552	1758780	microtubule-associated protein 2	Map2	25595	1,04	up
6546989	7355552	1758772	microtubule-associated protein 2	Map2	25595	1,03	down
6209380	7355552	1758783	microtubule-associated protein 2	Map2	25595	1,01	down
6054564	7072614	1062317	microtubule-associated protein tau	Mapt	29477	2,52	down
5649076	7072614	1062326	microtubule-associated protein tau	Mapt	29477	2,25	up
6270440	7072614	1062315	microtubule-associated protein tau	Mapt	29477	1,78	down
6031211	7072614	1062320	microtubule-associated protein tau	Mapt	29477	1,48	up
6195183	7072614	1062320	microtubule-associated protein tau	Mapt	29477	1,44	down
6045706	7072614	1062322	microtubule-associated protein tau	Mapt	29477	1,43	up
6066316	7072614	1062318	microtubule-associated protein tau	Mapt	29477	1,29	up
5662762	7072614	1062325	microtubule-associated protein tau	Mapt	29477	1,25	up
6645191	7072614	1062319	microtubule-associated protein tau	Mapt	29477	1,24	down
5942606	7072614	1062316	microtubule-associated protein tau	Mapt	29477	1,19	up
6226692	7072614	1062328	microtubule-associated protein tau	Mapt	29477	1,17	up
6472865	7072614	1062329	microtubule-associated protein tau	Mapt	29477	1,12	down

5910727	7072614	1062324	microtubule-associated protein tau	Mapt	29477	1,05	up
6244899	7072614	1062321	microtubule-associated protein tau	Mapt	29477	1,04	up
6558641	7072614	1062327	microtubule-associated protein tau	Mapt	29477	1,03	down
6467631	7072614	1062323	microtubule-associated protein tau	Mapt	29477	1,03	down
6058023	7072614	1062320	microtubule-associated protein tau	Mapt	29477	1,02	down
6741657	7167823	1293863	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,95	up
5934944	7167823	1293892	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,62	up
6049932	7167823	1293890	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,34	up
5757604	7167823	1293875	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,32	down
6606959	7167823	1293891	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,30	up
5937411	7167823	1293863	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,25	down
6549353	7167823	1293877	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,19	down
6102899	7167823	1293867	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,18	up
6223192	7167823	1293873	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,17	down
6638582	7167823	1293879	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,13	down
5759164	7167823	1293868	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,11	down
5948002	7167823	1293888	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,11	down
5725625	7167823	1293885	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,10	down
6374644	7167823	1293869	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,09	up
5848616	7167823	1293889	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,08	up
6724620	7167823	1293871	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,07	down
5639410	7167823	1293872	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,06	up
6265415	7167823	1293876	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,06	up
5632153	7167823	1293894	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,05	up
5816914	7167823	1293883	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,03	down
6301405	7167823	1293877	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,03	up
5896783	7167823	1293882	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,03	up
5710130	7167823	1293888	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,02	down
6302957	7167823	1293885	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,01	up
6045540	7167823	1293874	mindbomb homolog 1 (Drosophila)	Mib1	307594	1,00	down
6342492	7160053	1275380	minichromosome maintenance complex component 10	Mcm10	307126	2,43	down
6541620	7160053	1275391	minichromosome maintenance complex component 10	Mcm10	307126	1,62	down
5923720	7160053	1275389	minichromosome maintenance complex component 10	Mcm10	307126	1,57	up
5768760	7160053	1275396	minichromosome maintenance complex component 10	Mcm10	307126	1,53	down
6639109	7160053	1275398	minichromosome maintenance complex component 10	Mcm10	307126	1,42	up
6595489	7160053	1275378	minichromosome maintenance complex component 10	Mcm10	307126	1,31	down
6658972	7160053	1275383	minichromosome maintenance complex component 10	Mcm10	307126	1,29	up
6386602	7160053	1275386	minichromosome maintenance complex component 10	Mcm10	307126	1,22	down
6473226	7160053	1275381	minichromosome maintenance complex component 10	Mcm10	307126	1,19	up
6745249	7160053	1275400	minichromosome maintenance complex component 10	Mcm10	307126	1,17	down
6228999	7160053	1275381	minichromosome maintenance complex component 10	Mcm10	307126	1,15	down
6548781	7160053	1275397	minichromosome maintenance complex component 10	Mcm10	307126	1,13	up
6135151	7160053	1275395	minichromosome maintenance complex component 10	Mcm10	307126	1,09	up
5642336	7160053	1275392	minichromosome maintenance complex component 10	Mcm10	307126	1,08	down
5879035	7160053	1275392	minichromosome maintenance complex component 10	Mcm10	307126	1,07	down
5804441	7160053	1275390	minichromosome maintenance complex component 10	Mcm10	307126	1,07	up
6236758	7160053	1275393	minichromosome maintenance complex component 10	Mcm10	307126	1,05	up
5704933	7160053	1275381	minichromosome maintenance complex component 10	Mcm10	307126	1,05	up
6215403	7160053	1275384	minichromosome maintenance complex component 10	Mcm10	307126	1,05	up
6036614	7160053	1275385	minichromosome maintenance complex component 10	Mcm10	307126	1,02	down
6686719	7160053	1275394	minichromosome maintenance complex component 10	Mcm10	307126	1,02	down
6002980	7160053	1275379	minichromosome maintenance complex component 10	Mcm10	307126	1,01	up
5679862	7160053	1275399	minichromosome maintenance complex component 10	Mcm10	307126	1,01	down
5719226	7210713	1400748	misato homolog 1 (Drosophila)	Msto1	295237	2,00	down
5944287	7210713	1400758	misato homolog 1 (Drosophila)	Msto1	295237	2,00	down
6405129	7210713	1400753	misato homolog 1 (Drosophila)	Msto1	295237	1,77	up
5901916	7210713	1400757	misato homolog 1 (Drosophila)	Msto1	295237	1,71	up

6434333	7210713	1400754	misato homolog 1 (Drosophila)	Msto1	295237	1,57	up
6722361	7210713	1400758	misato homolog 1 (Drosophila)	Msto1	295237	1,54	up
5953729	7210713	1400747	misato homolog 1 (Drosophila)	Msto1	295237	1,43	up
5737711	7210713	1400750	misato homolog 1 (Drosophila)	Msto1	295237	1,38	up
6254835	7210713	1400753	misato homolog 1 (Drosophila)	Msto1	295237	1,26	up
6579254	7210713	1400755	misato homolog 1 (Drosophila)	Msto1	295237	1,24	down
6619931	7210713	1400747	misato homolog 1 (Drosophila)	Msto1	295237	1,10	down
5915695	7210713	1400749	misato homolog 1 (Drosophila)	Msto1	295237	1,08	up
6743938	7210713	1400751	misato homolog 1 (Drosophila)	Msto1	295237	1,06	up
5731912	7210713	1400756	misato homolog 1 (Drosophila)	Msto1	295237	1,05	down
6460335	7210713	1400754	misato homolog 1 (Drosophila)	Msto1	295237	1,04	down
6422226	7210713	1400753	misato homolog 1 (Drosophila)	Msto1	295237	1,01	up
6064021	7361254	1772683	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	2,22	down
6300861	7361254	1772682	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	2,20	down
5699463	7361254	1772685	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,54	up
6051730	7361254	1772684	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,51	up
6444475	7361254	1772686	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,44	down
5766422	7361254	1772680	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,39	up
5643041	7361254	1772679	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,37	down
5917467	7361254	1772681	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,21	up
6134501	7361254	1772683	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,21	up
6509746	7361254	1772680	MIT, microtubule interacting and transport, domain containing 1	Mitd1	363219	1,06	down
6739774	7221256	1425886	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,60	down
6510655	7221256	1425886	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,53	up
5696450	7221256	1425874	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,30	down
6287369	7221256	1425876	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,26	down
6711379	7221256	1425877	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,24	down
6262014	7221256	1425875	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,18	up
6535461	7221256	1425873	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,17	down
6196782	7221256	1425877	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,11	up
6607422	7221256	1425884	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,09	down
6434301	7221256	1425879	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,09	up
6372140	7221256	1425873	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,09	down
5768571	7221256	1425883	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,08	up
6349285	7221256	1425874	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,06	down
5652392	7221256	1425881	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,06	up
6037438	7221256	1425882	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,03	down
5943880	7221256	1425878	mitochondrial carrier homolog 1 (C. elegans)	Mtch1	294313	1,02	up
6077078	7084557	1089844	mitochondrial ribosomal protein L38	Mrpl38	303685	2,03	down
6400317	7084557	1089844	mitochondrial ribosomal protein L38	Mrpl38	303685	1,60	down
6554353	7084557	1089839	mitochondrial ribosomal protein L38	Mrpl38	303685	1,45	up
6218410	7084557	1089843	mitochondrial ribosomal protein L38	Mrpl38	303685	1,35	down
6430733	7084557	1089840	mitochondrial ribosomal protein L38	Mrpl38	303685	1,26	up
5635682	7084557	1089838	mitochondrial ribosomal protein L38	Mrpl38	303685	1,18	down
6265995	7084557	1089841	mitochondrial ribosomal protein L38	Mrpl38	303685	1,14	up
6373585	7084557	1089837	mitochondrial ribosomal protein L38	Mrpl38	303685	1,11	up
6463441	7084557	1089836	mitochondrial ribosomal protein L38	Mrpl38	303685	1,09	up
6366316	7084557	1089839	mitochondrial ribosomal protein L38	Mrpl38	303685	1,06	down
6157671	7084557	1089842	mitochondrial ribosomal protein L38	Mrpl38	303685	1,04	up
6188207	7324071	1681448	mitochondrial ribosomal protein L42	Mrpl42	299743	1,78	down
5757011	7324071	1681444	mitochondrial ribosomal protein L42	Mrpl42	299743	1,70	down
5969500	7324071	1681447	mitochondrial ribosomal protein L42	Mrpl42	299743	1,48	up
5880318	7324071	1681447	mitochondrial ribosomal protein L42	Mrpl42	299743	1,24	up
6277039	7324071	1681446	mitochondrial ribosomal protein L42	Mrpl42	299743	1,23	down
5619873	7324071	1681445	mitochondrial ribosomal protein L42	Mrpl42	299743	1,17	up
6335535	7324071	1681443	mitochondrial ribosomal protein L42	Mrpl42	299743	1,13	down
6527481	7359683	1768871	mitochondrial ribosomal protein S18A	Mrps18a	301249	2,15	up

6090627	7359683	1768870	mitochondrial ribosomal protein S18A	Mrps18a	301249	1,25	up
5971400	7359683	1768874	mitochondrial ribosomal protein S18A	Mrps18a	301249	1,25	down
6670974	7359683	1768873	mitochondrial ribosomal protein S18A	Mrps18a	301249	1,16	up
6123929	7359683	1768871	mitochondrial ribosomal protein S18A	Mrps18a	301249	1,14	up
5678769	7359683	1768869	mitochondrial ribosomal protein S18A	Mrps18a	301249	1,13	down
6102224	7359683	1768872	mitochondrial ribosomal protein S18A	Mrps18a	301249	1,01	down
6001573	7267344	1540264	mitochondrial ribosomal protein S25	Mrps25	297459	2,09	down
5845489	7267344	1540264	mitochondrial ribosomal protein S25	Mrps25	297459	1,51	up
6658342	7267344	1540266	mitochondrial ribosomal protein S25	Mrps25	297459	1,11	down
6236975	7267344	1540267	mitochondrial ribosomal protein S25	Mrps25	297459	1,08	down
5793353	7267344	1540268	mitochondrial ribosomal protein S25	Mrps25	297459	1,04	up
5878816	7267344	1540265	mitochondrial ribosomal protein S25	Mrps25	297459	1,01	down
6481158	7188829	1346657	mitochondrial ribosomal protein S27	Mrps27	361883	2,16	down
6117824	7188829	1346652	mitochondrial ribosomal protein S27	Mrps27	361883	1,59	up
5643422	7188829	1346650	mitochondrial ribosomal protein S27	Mrps27	361883	1,42	down
6060035	7188829	1346653	mitochondrial ribosomal protein S27	Mrps27	361883	1,41	up
6133239	7188829	1346651	mitochondrial ribosomal protein S27	Mrps27	361883	1,30	up
6326259	7152974	1257663	mitochondrial ribosomal protein S31	Mrps31	290850	2,24	down
5780709	7152974	1257662	mitochondrial ribosomal protein S31	Mrps31	290850	1,55	down
6379275	7152974	1257654	mitochondrial ribosomal protein S31	Mrps31	290850	1,45	down
6004728	7152974	1257662	mitochondrial ribosomal protein S31	Mrps31	290850	1,37	up
5810637	7152974	1257662	mitochondrial ribosomal protein S31	Mrps31	290850	1,19	down
6179267	7152974	1257663	mitochondrial ribosomal protein S31	Mrps31	290850	1,17	up
6072365	7152974	1257660	mitochondrial ribosomal protein S31	Mrps31	290850	1,16	up
6069465	7152974	1257655	mitochondrial ribosomal protein S31	Mrps31	290850	1,08	up
6740482	7152974	1257659	mitochondrial ribosomal protein S31	Mrps31	290850	1,06	up
5730932	7152974	1257655	mitochondrial ribosomal protein S31	Mrps31	290850	1,05	down
6255341	7152974	1257663	mitochondrial ribosomal protein S31	Mrps31	290850	1,03	up
6405239	7152974	1257661	mitochondrial ribosomal protein S31	Mrps31	290850	1,02	down
5915680	7152974	1257656	mitochondrial ribosomal protein S31	Mrps31	290850	1,00	up
6272463	7353997	1754692	mitochondrial ribosomal protein S9	Mrps9	301371	2,16	down
6651820	7353997	1754703	mitochondrial ribosomal protein S9	Mrps9	301371	1,62	up
6589014	7353997	1754696	mitochondrial ribosomal protein S9	Mrps9	301371	1,26	up
5681732	7353997	1754700	mitochondrial ribosomal protein S9	Mrps9	301371	1,26	down
5809725	7353997	1754709	mitochondrial ribosomal protein S9	Mrps9	301371	1,19	down
5662193	7353997	1754709	mitochondrial ribosomal protein S9	Mrps9	301371	1,17	down
6422476	7353997	1754703	mitochondrial ribosomal protein S9	Mrps9	301371	1,17	up
6448976	7353997	1754684	mitochondrial ribosomal protein S9	Mrps9	301371	1,17	down
6614600	7353997	1754686	mitochondrial ribosomal protein S9	Mrps9	301371	1,14	down
6540972	7353997	1754699	mitochondrial ribosomal protein S9	Mrps9	301371	1,12	up
5631043	7353997	1754710	mitochondrial ribosomal protein S9	Mrps9	301371	1,11	up
6288530	7353997	1754691	mitochondrial ribosomal protein S9	Mrps9	301371	1,08	down
5783905	7353997	1754711	mitochondrial ribosomal protein S9	Mrps9	301371	1,06	up
6670724	7192885	1357724	mitofusin 1	Mfn1	192647	2,31	down
5673124	7192885	1357712	mitofusin 1	Mfn1	192647	1,53	up
6719130	7192885	1357717	mitofusin 1	Mfn1	192647	1,35	down
6383614	7192885	1357714	mitofusin 1	Mfn1	192647	1,29	up
5975785	7192885	1357711	mitofusin 1	Mfn1	192647	1,27	up
6219390	7192885	1357718	mitofusin 1	Mfn1	192647	1,19	down
6050085	7192885	1357712	mitofusin 1	Mfn1	192647	1,14	up
6488604	7192885	1357716	mitofusin 1	Mfn1	192647	1,13	down
5984383	7192885	1357721	mitofusin 1	Mfn1	192647	1,13	down
6518045	7192885	1357723	mitofusin 1	Mfn1	192647	1,12	up
6227351	7192885	1357722	mitofusin 1	Mfn1	192647	1,11	down
6670994	7192885	1357715	mitofusin 1	Mfn1	192647	1,11	up
5879845	7192885	1357713	mitofusin 1	Mfn1	192647	1,05	up
5888827	7192885	1357719	mitofusin 1	Mfn1	192647	1,03	down

6169275	7192885	1357720	mitofusin 1	Mfn1	192647	1,02	up
6556630	7116263	1167990	mitogen activated protein kinase 10	Mapk10	25272	2,03	up
5988101	7116263	1167994	mitogen activated protein kinase 10	Mapk10	25272	1,82	up
5859926	7116263	1167992	mitogen activated protein kinase 10	Mapk10	25272	1,65	down
6054120	7116263	1167989	mitogen activated protein kinase 10	Mapk10	25272	1,52	up
6072167	7116263	1167997	mitogen activated protein kinase 10	Mapk10	25272	1,36	up
5905270	7116263	1167987	mitogen activated protein kinase 10	Mapk10	25272	1,33	down
6017655	7116263	1167993	mitogen activated protein kinase 10	Mapk10	25272	1,29	down
6248339	7116263	1167989	mitogen activated protein kinase 10	Mapk10	25272	1,25	up
5968097	7116263	1167995	mitogen activated protein kinase 10	Mapk10	25272	1,18	up
5941829	7116263	1167988	mitogen activated protein kinase 10	Mapk10	25272	1,15	down
5880773	7116263	1167991	mitogen activated protein kinase 10	Mapk10	25272	1,14	down
6225405	7116263	1167996	mitogen activated protein kinase 10	Mapk10	25272	1,11	down
6523636	7116263	1167988	mitogen activated protein kinase 10	Mapk10	25272	1,09	up
6356667	7116263	1167995	mitogen activated protein kinase 10	Mapk10	25272	1,09	down
6432561	7116263	1167987	mitogen activated protein kinase 10	Mapk10	25272	1,08	up
6113212	7116263	1167994	mitogen activated protein kinase 10	Mapk10	25272	1,05	down
5837850	7116263	1167998	mitogen activated protein kinase 10	Mapk10	25272	1,02	down
6364208	7116263	1167999	mitogen activated protein kinase 10	Mapk10	25272	1,01	down
5760106	7116263	1167990	mitogen activated protein kinase 10	Mapk10	25272	1,00	down
5685883	7217257	1415847	mitogen activated protein kinase 13	Mapk13	29513	2,12	down
5887577	7217257	1415839	mitogen activated protein kinase 13	Mapk13	29513	1,40	down
6082507	7217257	1415846	mitogen activated protein kinase 13	Mapk13	29513	1,39	up
6114834	7217257	1415845	mitogen activated protein kinase 13	Mapk13	29513	1,34	down
6182622	7217257	1415837	mitogen activated protein kinase 13	Mapk13	29513	1,27	down
6429546	7217257	1415841	mitogen activated protein kinase 13	Mapk13	29513	1,21	up
6262721	7217257	1415835	mitogen activated protein kinase 13	Mapk13	29513	1,17	up
5887654	7217257	1415842	mitogen activated protein kinase 13	Mapk13	29513	1,15	up
5728064	7217257	1415840	mitogen activated protein kinase 13	Mapk13	29513	1,13	up
5640407	7217257	1415838	mitogen activated protein kinase 13	Mapk13	29513	1,09	down
5734561	7217257	1415836	mitogen activated protein kinase 13	Mapk13	29513	1,09	down
6478441	7217257	1415844	mitogen activated protein kinase 13	Mapk13	29513	1,07	up
6367829	7217257	1415843	mitogen activated protein kinase 13	Mapk13	29513	1,02	down
6485439	7231653	1451899	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,89	up
6062713	7231653	1451895	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,82	down
5895398	7231653	1451879	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,78	down
6493901	7231653	1451894	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,62	down
5886061	7231653	1451877	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,46	up
6416869	7231653	1451884	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,43	down
6011350	7231653	1451898	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,42	down
6178145	7231653	1451871	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,40	down
6404489	7231653	1451899	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,37	up
6089218	7231653	1451901	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,36	up
6712046	7231653	1451875	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,34	up
6217595	7231653	1451879	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,33	up
6161673	7231653	1451878	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,30	up
5814748	7231653	1451885	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,29	down
6690687	7231653	1451890	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,29	down
5633951	7231653	1451880	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,28	down
6736896	7231653	1451882	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,24	down
6343525	7231653	1451876	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,22	up
5961058	7231653	1451892	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,21	down
5855687	7231653	1451866	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,19	down
6558372	7231653	1451886	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,17	up
5792963	7231653	1451900	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,16	up
6612139	7231653	1451874	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,15	down
5738054	7231653	1451887	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,13	up

5629442	7231653	1451880	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,12	up
5815722	7231653	1451866	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,11	up
5987416	7231653	1451893	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,11	down
6730682	7231653	1451897	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,11	up
6116321	7231653	1451877	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,11	down
5817824	7231653	1451896	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,05	down
5652700	7231653	1451888	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,04	up
6093952	7231653	1451881	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,02	down
6040091	7231653	1451894	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,02	down
5904778	7231653	1451890	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,02	up
6085113	7231653	1451883	mitogen activated protein kinase binding protein 1	Mapkbp1	362197	1,01	down
5689362	7049184	1007929	mitogen activated protein kinase kinase kinase 10	Map3k10	308463	2,66	up
6225263	7049184	1007937	mitogen activated protein kinase kinase kinase 10	Map3k10	308463	1,10	down
5710025	7049184	1007928	mitogen activated protein kinase kinase kinase 10	Map3k10	308463	1,10	down
6103605	7049184	1007937	mitogen activated protein kinase kinase kinase 10	Map3k10	308463	1,07	up
6417338	7049184	1007929	mitogen activated protein kinase kinase kinase 10	Map3k10	308463	1,04	down
6156227	7318156	1668148	mitogen-activated protein kinase 15	Mapk15	286997	2,61	down
5958811	7318156	1668143	mitogen-activated protein kinase 15	Mapk15	286997	2,52	down
6596927	7318156	1668141	mitogen-activated protein kinase 15	Mapk15	286997	2,06	down
5876215	7318156	1668136	mitogen-activated protein kinase 15	Mapk15	286997	1,89	up
6524044	7318156	1668145	mitogen-activated protein kinase 15	Mapk15	286997	1,79	up
5886262	7318156	1668139	mitogen-activated protein kinase 15	Mapk15	286997	1,38	up
6674302	7318156	1668140	mitogen-activated protein kinase 15	Mapk15	286997	1,30	up
5991908	7318156	1668138	mitogen-activated protein kinase 15	Mapk15	286997	1,27	down
5997028	7318156	1668142	mitogen-activated protein kinase 15	Mapk15	286997	1,22	down
6692378	7318156	1668144	mitogen-activated protein kinase 15	Mapk15	286997	1,20	down
6247343	7318156	1668134	mitogen-activated protein kinase 15	Mapk15	286997	1,19	up
5691706	7318156	1668147	mitogen-activated protein kinase 15	Mapk15	286997	1,19	up
6743816	7318156	1668146	mitogen-activated protein kinase 15	Mapk15	286997	1,13	down
6078067	7318156	1668142	mitogen-activated protein kinase 15	Mapk15	286997	1,10	up
6591732	7318156	1668135	mitogen-activated protein kinase 15	Mapk15	286997	1,07	up
5743842	7318156	1668137	mitogen-activated protein kinase 15	Mapk15	286997	1,04	up
6144228	7318156	1668147	mitogen-activated protein kinase 15	Mapk15	286997	1,00	down
6089309	7177180	1317770	mitogen-activated protein kinase 4	Mapk4	54268	1,80	up
5834292	7177180	1317778	mitogen-activated protein kinase 4	Mapk4	54268	1,10	down
5847014	7177180	1317769	mitogen-activated protein kinase 4	Mapk4	54268	1,06	down
5967457	7149008	1248601	mitogen-activated protein kinase 8	Mapk8	116554	2,17	up
5697710	7149008	1248608	mitogen-activated protein kinase 8	Mapk8	116554	1,40	up
6235230	7149008	1248602	mitogen-activated protein kinase 8	Mapk8	116554	1,33	down
6355612	7149008	1248596	mitogen-activated protein kinase 8	Mapk8	116554	1,29	up
5861845	7149008	1248598	mitogen-activated protein kinase 8	Mapk8	116554	1,28	up
5735680	7149008	1248616	mitogen-activated protein kinase 8	Mapk8	116554	1,25	down
6004975	7149008	1248595	mitogen-activated protein kinase 8	Mapk8	116554	1,21	up
5995482	7149008	1248598	mitogen-activated protein kinase 8	Mapk8	116554	1,21	up
5697557	7149008	1248595	mitogen-activated protein kinase 8	Mapk8	116554	1,13	down
6388266	7149008	1248599	mitogen-activated protein kinase 8	Mapk8	116554	1,13	up
6243867	7149008	1248607	mitogen-activated protein kinase 8	Mapk8	116554	1,12	down
5673932	7149008	1248599	mitogen-activated protein kinase 8	Mapk8	116554	1,08	up
6688725	7149008	1248603	mitogen-activated protein kinase 8	Mapk8	116554	1,06	up
6372791	7149008	1248608	mitogen-activated protein kinase 8	Mapk8	116554	1,06	up
6447486	7149008	1248604	mitogen-activated protein kinase 8	Mapk8	116554	1,04	down
6161971	7158619	1271804	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	2,20	up
6702543	7158619	1271801	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,77	up
5725311	7158619	1271799	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,39	up
6145327	7158619	1271797	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,29	down
6115991	7158619	1271797	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,28	down
6362978	7158619	1271800	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,19	up

5960425	7158619	1271798	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,12	up
6389084	7158619	1271802	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,10	up
5924617	7158619	1271803	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,05	down
6421956	7158619	1271805	mitogen-activated protein kinase kinase kinase 8	Map3k8	116596	1,03	up
5649888	7302860	1629026	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,93	down
5734957	7302860	1629040	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,84	down
6272695	7302860	1629024	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,63	down
5865415	7302860	1629054	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,46	down
6081826	7302860	1629055	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,43	down
6101950	7302860	1629028	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,36	up
5716672	7302860	1629039	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,34	up
6128416	7302860	1629021	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,34	down
6414198	7302860	1629048	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,32	down
6522906	7302860	1629006	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,31	down
5682187	7302860	1629005	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,30	up
5717587	7302860	1629041	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,30	down
6722791	7302860	1629045	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,27	down
5804192	7302860	1629063	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,26	up
5853306	7302860	1629013	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,25	up
6320168	7302860	1629015	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,24	up
5882976	7302860	1629017	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,18	up
5766048	7302860	1629024	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,16	down
5644153	7302860	1629016	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,16	up
5960128	7302860	1629038	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,15	down
5918194	7302860	1629010	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,14	up
6180439	7302860	1629035	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,12	down
6302826	7302860	1629047	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,11	up
5708957	7302860	1629034	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,11	down
5688701	7302860	1629019	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,11	up
5957199	7302860	1629039	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,11	down
6741805	7302860	1629022	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,10	down
6171158	7302860	1629012	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,09	up
5718484	7302860	1629011	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,07	up
5868316	7302860	1629043	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,07	down
6270324	7302860	1629030	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,07	down
6072165	7302860	1629018	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,04	up
5726095	7302860	1629046	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,02	down
6034703	7302860	1629023	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,01	up
6005071	7302860	1629027	mitogen-activated protein kinase kinase kinase kinase 3	Map4k3	170920	1,00	up
5978986	7307473	1641303	mitogen-activated protein kinase kinase kinase kinase 5	Map4k5	503027	4,29	down
6603486	7307473	1641255	mitogen-activated protein kinase kinase kinase kinase 5	Map4k5	503027	1,21	up
6585982	7307473	1641303	mitogen-activated protein kinase kinase kinase kinase 5	Map4k5	503027	1,12	up
6031643	7307473	1641303	mitogen-activated protein kinase kinase kinase kinase 5	Map4k5	503027	1,00	down
6225335	7349824	1744685	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	2,31	down
5645309	7349824	1744690	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,66	up
6455659	7349824	1744689	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,57	down
6271753	7349824	1744688	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,55	up
5670819	7349824	1744690	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,50	down
5981603	7349824	1744683	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,48	down
5814427	7349824	1744687	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,48	up
6093397	7349824	1744681	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,40	up
5961790	7349824	1744684	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,29	up
5925818	7349824	1744689	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,21	up
6635601	7349824	1744680	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,18	up
6622713	7349824	1744682	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,13	up
5932878	7349824	1744686	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,08	down
5888355	7349824	1744683	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,06	up

5867857	7349824	1744691	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,03	up
5830661	7349824	1744679	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,02	down
6510710	7349824	1744679	mitogen-activated protein kinase-activated protein kinase 3	Mapkapk3	315994	1,02	down
6490545	7117751	1171573	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	2,60	up
6174860	7117751	1171573	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,40	down
6011139	7117751	1171573	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,39	down
6643199	7117751	1171578	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,35	down
5680647	7117751	1171576	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,21	up
6596160	7117751	1171575	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,16	up
5656470	7117751	1171578	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,13	up
5886872	7117751	1171573	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,06	down
6274237	7117751	1171574	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,06	down
6180542	7117751	1171577	MMR_HSR1 domain containing protein RGD1359460	RGD1359460	289562	1,01	down
6223501	7284934	1584916	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	2,08	down
5954642	7284934	1584888	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,90	up
6422887	7284934	1584902	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,48	up
6564814	7284934	1584885	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,47	up
5668744	7284934	1584915	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,45	up
6287458	7284934	1584886	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,25	up
6022478	7284934	1584887	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,16	down
5821527	7284934	1584915	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,06	up
5661957	7284934	1584887	MOB1, Mps One Binder kinase activator-like 2B (yeast)	Mobk12b	366352	1,00	down
6001813	7165644	1288009	mohawk homeobox	Mkx	291228	1,47	down
5678020	7168519	1295873	molybdenum cofactor sulfurase	Mocos	361300	2,13	up
6713244	7168519	1295881	molybdenum cofactor sulfurase	Mocos	361300	1,53	down
6417891	7168519	1295874	molybdenum cofactor sulfurase	Mocos	361300	1,48	up
6411246	7168519	1295869	molybdenum cofactor sulfurase	Mocos	361300	1,46	up
6452526	7168519	1295864	molybdenum cofactor sulfurase	Mocos	361300	1,36	down
6190661	7168519	1295868	molybdenum cofactor sulfurase	Mocos	361300	1,34	down
5708671	7168519	1295872	molybdenum cofactor sulfurase	Mocos	361300	1,34	down
5943951	7168519	1295870	molybdenum cofactor sulfurase	Mocos	361300	1,33	up
5953429	7168519	1295874	molybdenum cofactor sulfurase	Mocos	361300	1,32	up
5878552	7168519	1295871	molybdenum cofactor sulfurase	Mocos	361300	1,32	up
6225481	7168519	1295864	molybdenum cofactor sulfurase	Mocos	361300	1,29	up
5828870	7168519	1295876	molybdenum cofactor sulfurase	Mocos	361300	1,28	down
6695886	7168519	1295879	molybdenum cofactor sulfurase	Mocos	361300	1,18	up
6322790	7168519	1295867	molybdenum cofactor sulfurase	Mocos	361300	1,17	down
6037005	7168519	1295874	molybdenum cofactor sulfurase	Mocos	361300	1,15	up
5961367	7168519	1295885	molybdenum cofactor sulfurase	Mocos	361300	1,12	down
6453341	7168519	1295877	molybdenum cofactor sulfurase	Mocos	361300	1,11	up
6294641	7168519	1295866	molybdenum cofactor sulfurase	Mocos	361300	1,09	down
6605663	7168519	1295884	molybdenum cofactor sulfurase	Mocos	361300	1,09	down
6210258	7168519	1295883	molybdenum cofactor sulfurase	Mocos	361300	1,09	down
6381101	7168519	1295884	molybdenum cofactor sulfurase	Mocos	361300	1,07	down
5777987	7168519	1295864	molybdenum cofactor sulfurase	Mocos	361300	1,02	up
5811089	7168519	1295875	molybdenum cofactor sulfurase	Mocos	361300	1,01	down
5895228	7181193	1328290	MON1 homolog b (yeast)	Mon1b	307868	1,42	down
5927400	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,36	down
5871430	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,31	down
5624981	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,23	down
6093705	7181193	1328288	MON1 homolog b (yeast)	Mon1b	307868	1,19	up
6697530	7181193	1328291	MON1 homolog b (yeast)	Mon1b	307868	1,12	down
6416432	7181193	1328292	MON1 homolog b (yeast)	Mon1b	307868	1,12	up
5817231	7181193	1328288	MON1 homolog b (yeast)	Mon1b	307868	1,07	up
6050793	7373289	1804803	monoamine oxidase B	Maob	25750	3,17	up
6177830	7373289	1804792	monoamine oxidase B	Maob	25750	2,37	up
6465863	7373289	1804798	monoamine oxidase B	Maob	25750	1,41	up

6500053	7373289	1804797	monoamine oxidase B	Maob	25750	1,36	down
5996267	7373289	1804798	monoamine oxidase B	Maob	25750	1,33	up
5930447	7373289	1804796	monoamine oxidase B	Maob	25750	1,20	down
6476218	7373289	1804801	monoamine oxidase B	Maob	25750	1,20	down
5739825	7373289	1804804	monoamine oxidase B	Maob	25750	1,13	up
6443031	7373289	1804794	monoamine oxidase B	Maob	25750	1,13	down
5983612	7373289	1804806	monoamine oxidase B	Maob	25750	1,08	down
5861364	7373289	1804802	monoamine oxidase B	Maob	25750	1,07	down
6057628	7373289	1804793	monoamine oxidase B	Maob	25750	1,06	down
6113669	7373289	1804800	monoamine oxidase B	Maob	25750	1,06	down
6365736	7373289	1804807	monoamine oxidase B	Maob	25750	1,04	down
5802979	7373289	1804805	monoamine oxidase B	Maob	25750	1,04	up
6553418	7373289	1804795	monoamine oxidase B	Maob	25750	1,01	up
6663901	7373289	1804799	monoamine oxidase B	Maob	25750	1,00	up
5924146	7044988	998436	monooxygenase, DBH-like 1	Moxd1	294119	2,14	down
6077085	7044988	998440	monooxygenase, DBH-like 1	Moxd1	294119	1,75	up
6222760	7044988	998424	monooxygenase, DBH-like 1	Moxd1	294119	1,69	down
6024635	7044988	998437	monooxygenase, DBH-like 1	Moxd1	294119	1,67	down
5851041	7044988	998424	monooxygenase, DBH-like 1	Moxd1	294119	1,55	down
6518947	7044988	998434	monooxygenase, DBH-like 1	Moxd1	294119	1,51	down
6670339	7044988	998424	monooxygenase, DBH-like 1	Moxd1	294119	1,49	down
5995395	7044988	998439	monooxygenase, DBH-like 1	Moxd1	294119	1,45	up
6664069	7044988	998453	monooxygenase, DBH-like 1	Moxd1	294119	1,37	up
6632700	7044988	998424	monooxygenase, DBH-like 1	Moxd1	294119	1,36	down
6324353	7044988	998438	monooxygenase, DBH-like 1	Moxd1	294119	1,36	up
6330227	7044988	998424	monooxygenase, DBH-like 1	Moxd1	294119	1,26	down
6729994	7044988	998426	monooxygenase, DBH-like 1	Moxd1	294119	1,23	up
5746686	7044988	998453	monooxygenase, DBH-like 1	Moxd1	294119	1,10	up
6289716	7044988	998438	monooxygenase, DBH-like 1	Moxd1	294119	1,09	up
5990944	7120427	1178435	MORC family CW-type zinc finger 2	Morc2	289736	1,92	up
6323480	7120427	1178433	MORC family CW-type zinc finger 2	Morc2	289736	1,77	down
5640498	7120427	1178442	MORC family CW-type zinc finger 2	Morc2	289736	1,49	down
6157580	7120427	1178448	MORC family CW-type zinc finger 2	Morc2	289736	1,32	up
5793407	7120427	1178439	MORC family CW-type zinc finger 2	Morc2	289736	1,30	up
6016217	7120427	1178446	MORC family CW-type zinc finger 2	Morc2	289736	1,29	up
5868891	7120427	1178438	MORC family CW-type zinc finger 2	Morc2	289736	1,27	up
6348494	7120427	1178447	MORC family CW-type zinc finger 2	Morc2	289736	1,24	up
6649701	7120427	1178437	MORC family CW-type zinc finger 2	Morc2	289736	1,21	down
5672657	7120427	1178428	MORC family CW-type zinc finger 2	Morc2	289736	1,21	down
5892922	7120427	1178442	MORC family CW-type zinc finger 2	Morc2	289736	1,21	up
6038209	7120427	1178442	MORC family CW-type zinc finger 2	Morc2	289736	1,20	down
5868186	7120427	1178446	MORC family CW-type zinc finger 2	Morc2	289736	1,20	up
6600536	7120427	1178431	MORC family CW-type zinc finger 2	Morc2	289736	1,17	down
5802952	7120427	1178432	MORC family CW-type zinc finger 2	Morc2	289736	1,14	up
6602009	7120427	1178442	MORC family CW-type zinc finger 2	Morc2	289736	1,12	down
5834607	7120427	1178440	MORC family CW-type zinc finger 2	Morc2	289736	1,12	down
6384453	7120427	1178444	MORC family CW-type zinc finger 2	Morc2	289736	1,12	up
6616477	7120427	1178434	MORC family CW-type zinc finger 2	Morc2	289736	1,11	up
6275955	7120427	1178436	MORC family CW-type zinc finger 2	Morc2	289736	1,11	up
5954919	7120427	1178430	MORC family CW-type zinc finger 2	Morc2	289736	1,10	down
6019105	7120427	1178448	MORC family CW-type zinc finger 2	Morc2	289736	1,09	up
6404198	7120427	1178445	MORC family CW-type zinc finger 2	Morc2	289736	1,07	up
5676853	7120427	1178429	MORC family CW-type zinc finger 2	Morc2	289736	1,05	up
6647998	7120427	1178443	MORC family CW-type zinc finger 2	Morc2	289736	1,04	down
6108184	7120427	1178441	MORC family CW-type zinc finger 2	Morc2	289736	1,02	down
6742177	7383823	1828932	MORC family CW-type zinc finger 4	Morc4	315914	1,66	down
5957104	7383823	1828951	MORC family CW-type zinc finger 4	Morc4	315914	1,57	down

5986932	7383823	1828932	MORC family CW-type zinc finger 4	Morc4	315914	1,48	up
6627018	7383823	1828953	MORC family CW-type zinc finger 4	Morc4	315914	1,28	up
6027434	7383823	1828950	MORC family CW-type zinc finger 4	Morc4	315914	1,21	up
5964212	7383823	1828952	MORC family CW-type zinc finger 4	Morc4	315914	1,20	up
6165242	7383823	1828932	MORC family CW-type zinc finger 4	Morc4	315914	1,09	up
6083414	7383823	1828949	MORC family CW-type zinc finger 4	Morc4	315914	1,05	down
6488572	7319740	1671787	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	2,80	up
6038681	7319740	1671764	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,65	up
5722345	7319740	1671786	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,62	down
5998434	7319740	1671765	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,54	up
6336791	7319740	1671768	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,49	down
5828439	7319740	1671761	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,37	up
6622309	7319740	1671763	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,31	up
6242685	7319740	1671781	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,31	down
6167654	7319740	1671771	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,28	down
6050052	7319740	1671765	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,28	up
5733688	7319740	1671773	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,20	down
6553775	7319740	1671786	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,20	up
6017374	7319740	1671778	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,19	up
5811400	7319740	1671788	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,17	up
6165889	7319740	1671784	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,16	down
5754034	7319740	1671760	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,14	down
6171545	7319740	1671782	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,12	up
6435297	7319740	1671783	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,11	up
6357791	7319740	1671767	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,10	up
6247308	7319740	1671762	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,07	down
6222999	7319740	1671780	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,07	up
6192123	7319740	1671772	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,06	up
5943457	7319740	1671770	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,05	down
6427718	7319740	1671785	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,04	down
6322625	7319740	1671776	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,04	up
5842904	7319740	1671779	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,03	down
6438257	7319740	1671766	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,03	down
6020416	7319740	1671777	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,01	up
5720770	7319740	1671765	Mov10I1, Moloney leukemia virus 10-like 1, homolog (mouse)	Mov10I1	300141	1,00	up
5870989	7094008	1112609	mucin 13, cell surface associated	Muc13	207126	2,74	up
6547829	7094008	1112611	mucin 13, cell surface associated	Muc13	207126	1,27	up
6093089	7094008	1112613	mucin 13, cell surface associated	Muc13	207126	1,14	down
5859619	7094008	1112608	mucin 13, cell surface associated	Muc13	207126	1,11	up
5718358	7094008	1112616	mucin 13, cell surface associated	Muc13	207126	1,05	up
6097475	7094008	1112614	mucin 13, cell surface associated	Muc13	207126	1,02	up
5762590	7094008	1112612	mucin 13, cell surface associated	Muc13	207126	1,01	up
6085843	7094008	1112610	mucin 13, cell surface associated	Muc13	207126	1,01	up
6402687	7094139	1112918	mucin 4, cell surface associated	Muc4	303887	2,07	up
6677765	7094139	1112901	mucin 4, cell surface associated	Muc4	303887	1,71	up
5807911	7094139	1112889	mucin 4, cell surface associated	Muc4	303887	1,67	down
6376039	7094139	1112915	mucin 4, cell surface associated	Muc4	303887	1,59	down
6558116	7094139	1112907	mucin 4, cell surface associated	Muc4	303887	1,58	down
6269050	7094139	1112908	mucin 4, cell surface associated	Muc4	303887	1,43	down
6287725	7094139	1112891	mucin 4, cell surface associated	Muc4	303887	1,42	up
5829131	7094139	1112921	mucin 4, cell surface associated	Muc4	303887	1,32	up
6011314	7094139	1112902	mucin 4, cell surface associated	Muc4	303887	1,29	down
6194031	7094139	1112905	mucin 4, cell surface associated	Muc4	303887	1,26	up
6697729	7094139	1112917	mucin 4, cell surface associated	Muc4	303887	1,26	down
6075613	7094139	1112906	mucin 4, cell surface associated	Muc4	303887	1,26	up
6060347	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,24	down
6336956	7094139	1112892	mucin 4, cell surface associated	Muc4	303887	1,22	up

6573971	7094139	1112898	mucin 4, cell surface associated	Muc4	303887	1,21	down
6184104	7094139	1112890	mucin 4, cell surface associated	Muc4	303887	1,21	down
5793140	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,21	down
5828335	7094139	1112921	mucin 4, cell surface associated	Muc4	303887	1,20	down
5984100	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,19	down
5663535	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,18	down
5842492	7094139	1112889	mucin 4, cell surface associated	Muc4	303887	1,16	up
5641535	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,12	down
6647512	7094139	1112895	mucin 4, cell surface associated	Muc4	303887	1,11	up
6259353	7094139	1112899	mucin 4, cell surface associated	Muc4	303887	1,09	down
5996509	7094139	1112904	mucin 4, cell surface associated	Muc4	303887	1,07	down
6140594	7094139	1112893	mucin 4, cell surface associated	Muc4	303887	1,06	down
5846143	7094139	1112916	mucin 4, cell surface associated	Muc4	303887	1,06	up
6685295	7094139	1112900	mucin 4, cell surface associated	Muc4	303887	1,03	up
6140304	7094139	1112909	mucin 4, cell surface associated	Muc4	303887	1,02	up
5642686	7094139	1112910	mucin 4, cell surface associated	Muc4	303887	1,02	up
6631163	7094139	1112921	mucin 4, cell surface associated	Muc4	303887	1,02	up
6324140	7094139	1112896	mucin 4, cell surface associated	Muc4	303887	1,02	up
6345072	7094139	1112903	mucin 4, cell surface associated	Muc4	303887	1,01	down
6315769	7094139	1112913	mucin 4, cell surface associated	Muc4	303887	1,01	up
6495078	7094139	1112911	mucin 4, cell surface associated	Muc4	303887	1,00	up
6644399	7058761	1028758	mucin and cadherin like	Mucdhl	171554	4,30	down
5695892	7058761	1028764	mucin and cadherin like	Mucdhl	171554	1,79	up
6510155	7058761	1028761	mucin and cadherin like	Mucdhl	171554	1,54	up
6218069	7058761	1028760	mucin and cadherin like	Mucdhl	171554	1,48	down
6585570	7058761	1028765	mucin and cadherin like	Mucdhl	171554	1,43	down
6558563	7058761	1028759	mucin and cadherin like	Mucdhl	171554	1,41	down
6740028	7058761	1028774	mucin and cadherin like	Mucdhl	171554	1,33	down
6632595	7058761	1028772	mucin and cadherin like	Mucdhl	171554	1,27	up
6087589	7058761	1028762	mucin and cadherin like	Mucdhl	171554	1,20	down
5977012	7058761	1028761	mucin and cadherin like	Mucdhl	171554	1,19	up
6380442	7058761	1028760	mucin and cadherin like	Mucdhl	171554	1,18	up
6188568	7058761	1028771	mucin and cadherin like	Mucdhl	171554	1,17	up
5826682	7058761	1028767	mucin and cadherin like	Mucdhl	171554	1,11	up
5947956	7058761	1028763	mucin and cadherin like	Mucdhl	171554	1,10	down
6694427	7058761	1028758	mucin and cadherin like	Mucdhl	171554	1,06	down
5885427	7058761	1028769	mucin and cadherin like	Mucdhl	171554	1,05	up
6158174	7058761	1028768	mucin and cadherin like	Mucdhl	171554	1,04	down
6537835	7058761	1028766	mucin and cadherin like	Mucdhl	171554	1,04	up
6356124	7058761	1028770	mucin and cadherin like	Mucdhl	171554	1,03	down
6009548	7058761	1028773	mucin and cadherin like	Mucdhl	171554	1,02	down
6381109	7058761	1028759	mucin and cadherin like	Mucdhl	171554	1,00	down
6540378	7058761	1028774	mucin and cadherin like	Mucdhl	171554	1,00	up
6187489	7170764	1301454	multiple EGF-like domains 10	Megf10	291445	1,49	up
6664406	7170764	1301453	multiple EGF-like domains 10	Megf10	291445	1,21	down
6019842	7170764	1301458	multiple EGF-like domains 10	Megf10	291445	1,10	up
6334563	7170764	1301461	multiple EGF-like domains 10	Megf10	291445	1,07	down
6246159	7170764	1301465	multiple EGF-like domains 10	Megf10	291445	1,07	down
6121937	7337224	1712630	multiple EGF-like-domains 11	Megf11	691517	1,37	up
6577028	7337224	1712628	multiple EGF-like-domains 11	Megf11	691517	1,22	up
5944571	7337224	1712542	multiple EGF-like-domains 11	Megf11	691517	1,13	up
6248969	7337224	1712627	multiple EGF-like-domains 11	Megf11	691517	1,12	up
6565261	7337224	1712571	multiple EGF-like-domains 11	Megf11	691517	1,00	down
6378497	7039284	983772	multiple endocrine neoplasia 1	Men1	29417	3,00	down
6612090	7039284	983777	multiple endocrine neoplasia 1	Men1	29417	1,38	down
6021235	7039284	983781	multiple endocrine neoplasia 1	Men1	29417	1,34	down
6523209	7039284	983773	multiple endocrine neoplasia 1	Men1	29417	1,29	up

6530949	7039284	983774	multiple endocrine neoplasia 1	Men1	29417	1,24	up
6539621	7039284	983772	multiple endocrine neoplasia 1	Men1	29417	1,20	up
6257782	7039284	983776	multiple endocrine neoplasia 1	Men1	29417	1,19	up
5675598	7039284	983781	multiple endocrine neoplasia 1	Men1	29417	1,19	down
5932263	7039284	983779	multiple endocrine neoplasia 1	Men1	29417	1,18	down
6330597	7039284	983778	multiple endocrine neoplasia 1	Men1	29417	1,10	up
5699112	7039284	983775	multiple endocrine neoplasia 1	Men1	29417	1,03	down
6743958	7039284	983780	multiple endocrine neoplasia 1	Men1	29417	1,02	down
6444145	7039284	983782	multiple endocrine neoplasia 1	Men1	29417	1,01	down
6446461	7102951	1134986	Musashi homolog 1(Drosophila)	Msi1	259272	2,51	down
6586291	7102951	1134978	Musashi homolog 1(Drosophila)	Msi1	259272	2,08	down
6499552	7102951	1134983	Musashi homolog 1(Drosophila)	Msi1	259272	2,05	up
6744626	7102951	1134980	Musashi homolog 1(Drosophila)	Msi1	259272	2,01	down
5627902	7102951	1134987	Musashi homolog 1(Drosophila)	Msi1	259272	1,94	up
5716284	7102951	1134978	Musashi homolog 1(Drosophila)	Msi1	259272	1,79	down
6438943	7102951	1134985	Musashi homolog 1(Drosophila)	Msi1	259272	1,69	up
6268007	7102951	1134977	Musashi homolog 1(Drosophila)	Msi1	259272	1,53	down
6193505	7102951	1134984	Musashi homolog 1(Drosophila)	Msi1	259272	1,49	up
6170832	7102951	1134988	Musashi homolog 1(Drosophila)	Msi1	259272	1,28	down
5849459	7102951	1134979	Musashi homolog 1(Drosophila)	Msi1	259272	1,13	up
6125625	7102951	1134981	Musashi homolog 1(Drosophila)	Msi1	259272	1,08	up
6560756	7102951	1134982	Musashi homolog 1(Drosophila)	Msi1	259272	1,02	up
6203900	7349310	1743094	muscle RAS oncogene homolog	Mras	25482	3,27	down
6355413	7349310	1743094	muscle RAS oncogene homolog	Mras	25482	2,16	down
6241525	7349310	1743091	muscle RAS oncogene homolog	Mras	25482	1,86	up
6454229	7349310	1743089	muscle RAS oncogene homolog	Mras	25482	1,59	down
6292274	7349310	1743093	muscle RAS oncogene homolog	Mras	25482	1,56	up
6447163	7349310	1743090	muscle RAS oncogene homolog	Mras	25482	1,37	up
6414318	7349310	1743094	muscle RAS oncogene homolog	Mras	25482	1,25	down
5798616	7349310	1743088	muscle RAS oncogene homolog	Mras	25482	1,21	up
5957798	7349310	1743092	muscle RAS oncogene homolog	Mras	25482	1,07	up
5812914	7275525	1561344	muscle, skeletal, receptor tyrosine kinase	Musk	81725	2,15	down
6342126	7275525	1561349	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,88	down
6123482	7275525	1561341	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,71	up
6223226	7275525	1561348	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,70	down
6054985	7275525	1561342	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,30	down
6366792	7275525	1561353	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,28	up
6028881	7275525	1561341	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,26	up
6024954	7275525	1561352	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,18	down
6556385	7275525	1561343	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,17	up
6469246	7275525	1561342	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,16	up
6037802	7275525	1561351	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,12	up
5918922	7275525	1561353	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,08	down
6254489	7275525	1561345	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,07	up
6495014	7275525	1561346	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,06	down
5681365	7275525	1561350	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,04	down
5632336	7275525	1561347	muscle, skeletal, receptor tyrosine kinase	Musk	81725	1,02	down
5939422	7384179	1829772	muscleblind-like 3 (Drosophila)	Mbnl3	302492	2,15	down
5780698	7384179	1829783	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,44	up
5715055	7384179	1829770	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,32	down
6478653	7384179	1829775	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,14	up
5963009	7384179	1829776	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,10	up
5850478	7384179	1829777	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,07	up
6154087	7384179	1829775	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,05	up
6161709	7384179	1829779	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,04	down
6388329	7384179	1829783	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,03	up
5966339	7384179	1829779	muscleblind-like 3 (Drosophila)	Mbnl3	302492	1,02	down

6655804	7236492	1464547	myelin transcription factor 1	Myt1	362291	2,93	up
5978262	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,68	down
5900030	7236492	1464557	myelin transcription factor 1	Myt1	362291	1,60	up
5854045	7236492	1464547	myelin transcription factor 1	Myt1	362291	1,55	down
6667945	7236492	1464561	myelin transcription factor 1	Myt1	362291	1,46	up
6091620	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,42	up
5841182	7236492	1464546	myelin transcription factor 1	Myt1	362291	1,30	up
5685754	7236492	1464551	myelin transcription factor 1	Myt1	362291	1,21	down
6723288	7236492	1464554	myelin transcription factor 1	Myt1	362291	1,21	up
6461973	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,20	down
6426109	7236492	1464550	myelin transcription factor 1	Myt1	362291	1,20	down
6017382	7236492	1464555	myelin transcription factor 1	Myt1	362291	1,17	up
6645348	7236492	1464558	myelin transcription factor 1	Myt1	362291	1,17	up
6484421	7236492	1464559	myelin transcription factor 1	Myt1	362291	1,16	down
5766018	7236492	1464549	myelin transcription factor 1	Myt1	362291	1,14	down
6560103	7236492	1464556	myelin transcription factor 1	Myt1	362291	1,12	down
6576042	7236492	1464563	myelin transcription factor 1	Myt1	362291	1,09	up
5948055	7236492	1464548	myelin transcription factor 1	Myt1	362291	1,09	up
6215242	7236492	1464546	myelin transcription factor 1	Myt1	362291	1,09	up
6360114	7236492	1464562	myelin transcription factor 1	Myt1	362291	1,05	up
6646180	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,05	up
6599123	7236492	1464566	myelin transcription factor 1	Myt1	362291	1,05	up
6410791	7236492	1464564	myelin transcription factor 1	Myt1	362291	1,04	up
6746615	7236492	1464553	myelin transcription factor 1	Myt1	362291	1,04	down
6344520	7236492	1464547	myelin transcription factor 1	Myt1	362291	1,04	up
5687220	7236492	1464567	myelin transcription factor 1	Myt1	362291	1,02	down
5907604	7236492	1464546	myelin transcription factor 1	Myt1	362291	1,01	down
6623938	7049916	1009204	myelin-associated glycoprotein	Mag	29409	1,55	down
6523260	7049916	1009207	myelin-associated glycoprotein	Mag	29409	1,52	up
5769909	7049916	1009202	myelin-associated glycoprotein	Mag	29409	1,50	up
6424814	7049916	1009201	myelin-associated glycoprotein	Mag	29409	1,46	up
6224156	7049916	1009207	myelin-associated glycoprotein	Mag	29409	1,40	up
5688723	7049916	1009206	myelin-associated glycoprotein	Mag	29409	1,39	down
6259153	7049916	1009198	myelin-associated glycoprotein	Mag	29409	1,18	up
5625165	7049916	1009200	myelin-associated glycoprotein	Mag	29409	1,16	up
6319226	7049916	1009197	myelin-associated glycoprotein	Mag	29409	1,10	up
6697543	7049916	1009209	myelin-associated glycoprotein	Mag	29409	1,10	down
6067354	7049916	1009202	myelin-associated glycoprotein	Mag	29409	1,09	down
6215116	7049916	1009205	myelin-associated glycoprotein	Mag	29409	1,07	down
5827182	7049916	1009203	myelin-associated glycoprotein	Mag	29409	1,05	down
6717110	7049916	1009208	myelin-associated glycoprotein	Mag	29409	1,01	up
6006134	7341439	1723704	myelin-associated oligodendrocyte basic protein	Mobp	25037	3,96	down
5979977	7341439	1723711	myelin-associated oligodendrocyte basic protein	Mobp	25037	2,34	up
6243151	7341439	1723712	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,95	up
5741906	7341439	1723707	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,35	down
6515002	7341439	1723706	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,28	up
5857851	7341439	1723710	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,23	up
6496743	7341439	1723707	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,21	down
5865009	7341439	1723710	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,18	up
6723173	7341439	1723708	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,18	down
6145959	7341439	1723702	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,17	up
5863862	7341439	1723708	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,17	down
6209561	7341439	1723708	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,17	up
5688168	7341439	1723705	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,13	down
5728361	7341439	1723703	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,12	up
5747527	7341439	1723708	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,11	up
5922896	7341439	1723712	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,08	up

5725070	7341439	1723704	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,03	down
6535465	7341439	1723710	myelin-associated oligodendrocyte basic protein	Mobp	25037	1,00	down
6611276	7317471	1666229	myelocytomatosis oncogene	Myc	24577	3,21	down
6745472	7317471	1666226	myelocytomatosis oncogene	Myc	24577	2,71	up
6189374	7317471	1666225	myelocytomatosis oncogene	Myc	24577	2,64	down
6218948	7317471	1666225	myelocytomatosis oncogene	Myc	24577	1,82	up
6410640	7317471	1666227	myelocytomatosis oncogene	Myc	24577	1,57	up
6442901	7317471	1666228	myelocytomatosis oncogene	Myc	24577	1,02	up
6024214	7367952	1789009	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	2,41	down
6556292	7367952	1789019	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,46	down
6584290	7367952	1789020	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,28	down
6017184	7367952	1789007	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,26	up
6581382	7367952	1788993	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,21	up
5872731	7367952	1788998	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,20	up
5710817	7367952	1789018	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,18	down
5962413	7367952	1789014	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,17	up
6027042	7367952	1789017	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,08	up
6652078	7367952	1789016	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,06	up
6652096	7367952	1789020	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,05	down
6248077	7367952	1789012	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,02	down
5940797	7367952	1789000	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 1	Mllt1	301119	1,01	down
5689269	7071741	1060453	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,63	up
5806187	7071741	1060460	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,44	down
6235395	7071741	1060451	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,33	down
5675705	7071741	1060448	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,32	down
6558430	7071741	1060446	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,31	up
6279562	7071741	1060460	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,28	up
6420903	7071741	1060448	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,24	down
6616003	7071741	1060458	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,23	up
6209632	7071741	1060443	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,21	down
6437943	7071741	1060450	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,17	down
6478347	7071741	1060445	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,14	up
6359975	7071741	1060450	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,13	down
6171680	7071741	1060446	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,11	up
6058347	7071741	1060452	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,10	up
6228466	7071741	1060457	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,10	down
6457455	7071741	1060455	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,10	up
5899230	7071741	1060444	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,08	up
6404849	7071741	1060455	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,07	up
5729371	7071741	1060456	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,07	down
6501052	7071741	1060454	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,05	up
6125078	7071741	1060447	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,05	up
6238367	7071741	1060455	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,04	up
6321467	7071741	1060442	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,02	down
6346204	7071741	1060441	myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 6	Mllt6	303504	1,01	down
6449027	7344838	1732424	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,63	down
6188732	7344838	1732426	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,56	up
6555870	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,42	down
5721054	7344838	1732460	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,41	up
5995246	7344838	1732449	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,33	up
6222212	7344838	1732451	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,29	up
6552207	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,29	down
6458281	7344838	1732417	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,28	down
5769609	7344838	1732447	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,27	up
5637814	7344838	1732438	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,26	down
5784482	7344838	1732423	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,25	down
5899215	7344838	1732427	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,24	up

6481197	7344838	1732420	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,24	up
5681398	7344838	1732448	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,23	up
5933400	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,21	up
6255774	7344838	1732446	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,21	down
6422583	7344838	1732447	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,19	down
5664330	7344838	1732425	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,18	down
5944094	7344838	1732428	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,17	up
5898230	7344838	1732431	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,16	up
6256823	7344838	1732441	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,15	up
6270810	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	up
5709313	7344838	1732430	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,13	up
6403284	7344838	1732445	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,12	up
6712772	7344838	1732421	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,11	up
6350480	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,10	down
6490892	7344838	1732419	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,10	up
6622447	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,09	up
6705134	7344838	1732421	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,08	down
6212864	7344838	1732434	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,08	down
6402934	7344838	1732443	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,08	down
6175667	7344838	1732432	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,07	up
5937401	7344838	1732435	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,07	up
6024924	7344838	1732442	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	up
5641093	7344838	1732454	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	up
5813848	7344838	1732424	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	up
5744682	7344838	1732416	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,06	down
6283792	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,05	up
5939956	7344838	1732439	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,05	up
6012862	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,05	up
6044794	7344838	1732437	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,05	up
6559911	7344838	1732436	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,03	down
6427047	7344838	1732444	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,03	up
6370526	7344838	1732440	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,03	up
6237979	7344838	1732452	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	down
6205932	7344838	1732429	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	up
6449534	7344838	1732433	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	up
6264980	7344838	1732447	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	down
6085456	7344838	1732418	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	up
5888913	7344838	1732418	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,02	up
6648449	7344838	1732422	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,00	down
6497453	7344838	1732423	myeloid/lymphoid or mixed-lineage leukemia 1	Mll1	315606	1,00	down
5846356	7107071	1144795	myocilin	Myoc	81523	2,22	up
6019368	7107071	1144793	myocilin	Myoc	81523	1,68	down
5755364	7107071	1144794	myocilin	Myoc	81523	1,66	up
6717338	7107071	1144793	myocilin	Myoc	81523	1,65	down
5934827	7107071	1144793	myocilin	Myoc	81523	1,16	down
5725213	7107071	1144796	myocilin	Myoc	81523	1,10	down
6691777	7107071	1144795	myocilin	Myoc	81523	1,08	up
6247159	7149975	1250604	myocyte enhancer factor 2B	Mef2b	498607	2,71	up
6155538	7149975	1250606	myocyte enhancer factor 2B	Mef2b	498607	2,51	up
5644742	7149975	1250610	myocyte enhancer factor 2B	Mef2b	498607	2,00	up
6627705	7149975	1250605	myocyte enhancer factor 2B	Mef2b	498607	1,46	down
6551221	7149975	1250610	myocyte enhancer factor 2B	Mef2b	498607	1,45	down
6407749	7149975	1250603	myocyte enhancer factor 2B	Mef2b	498607	1,38	up
6453956	7149975	1250607	myocyte enhancer factor 2B	Mef2b	498607	1,17	down
5626047	7149975	1250603	myocyte enhancer factor 2B	Mef2b	498607	1,14	down
6582668	7149975	1250609	myocyte enhancer factor 2B	Mef2b	498607	1,14	down
6425223	7149975	1250606	myocyte enhancer factor 2B	Mef2b	498607	1,13	down

6706301	7149975	1250608	myocyte enhancer factor 2B	Mef2b	498607	1,05	down
5933173	7149975	1250603	myocyte enhancer factor 2B	Mef2b	498607	1,04	down
6588407	7251318	1500753	MyoD family inhibitor domain containing	Mdfic	362325	2,12	up
6408558	7251318	1500763	MyoD family inhibitor domain containing	Mdfic	362325	1,63	down
6368040	7251318	1500762	MyoD family inhibitor domain containing	Mdfic	362325	1,03	up
5804985	7251318	1500747	MyoD family inhibitor domain containing	Mdfic	362325	1,01	down
6132128	7251318	1500749	MyoD family inhibitor domain containing	Mdfic	362325	1,00	up
5922129	7251318	1500746	MyoD family inhibitor domain containing	Mdfic	362325	1,00	up
5799047	7062233	1037184	myoferlin	Myof	309499	1,67	down
5788594	7062233	1037184	myoferlin	Myof	309499	1,67	down
5908744	7062233	1037245	myoferlin	Myof	309499	1,09	up
5715504	7062233	1037265	myoferlin	Myof	309499	1,03	down
5791130	7358859	1766992	myomesin 1	Myom1	316740	1,32	up
6126388	7358859	1766997	myomesin 1	Myom1	316740	1,23	down
6375008	7358859	1766995	myomesin 1	Myom1	316740	1,10	up
6706408	7358859	1766991	myomesin 1	Myom1	316740	1,04	up
6466245	7280570	1574094	myomesin family, member 3	Myom3	313625	2,52	down
6549845	7280570	1574084	myomesin family, member 3	Myom3	313625	1,86	down
6551736	7280570	1574093	myomesin family, member 3	Myom3	313625	1,81	down
6430942	7280570	1574080	myomesin family, member 3	Myom3	313625	1,65	up
6598393	7280570	1574098	myomesin family, member 3	Myom3	313625	1,62	down
6221455	7280570	1574065	myomesin family, member 3	Myom3	313625	1,62	down
6390387	7280570	1574064	myomesin family, member 3	Myom3	313625	1,48	up
6125738	7280570	1574096	myomesin family, member 3	Myom3	313625	1,48	down
6716967	7280570	1574078	myomesin family, member 3	Myom3	313625	1,46	up
6619809	7280570	1574073	myomesin family, member 3	Myom3	313625	1,43	down
6195467	7280570	1574057	myomesin family, member 3	Myom3	313625	1,37	up
6312268	7280570	1574075	myomesin family, member 3	Myom3	313625	1,36	up
6346790	7280570	1574071	myomesin family, member 3	Myom3	313625	1,32	up
6482442	7280570	1574077	myomesin family, member 3	Myom3	313625	1,31	up
5860622	7280570	1574070	myomesin family, member 3	Myom3	313625	1,31	down
6198930	7280570	1574082	myomesin family, member 3	Myom3	313625	1,29	down
5796442	7280570	1574068	myomesin family, member 3	Myom3	313625	1,24	down
6677307	7280570	1574083	myomesin family, member 3	Myom3	313625	1,22	down
5692344	7280570	1574058	myomesin family, member 3	Myom3	313625	1,21	down
6651582	7280570	1574097	myomesin family, member 3	Myom3	313625	1,15	up
5887008	7280570	1574067	myomesin family, member 3	Myom3	313625	1,11	down
6283593	7280570	1574066	myomesin family, member 3	Myom3	313625	1,09	up
5735377	7280570	1574060	myomesin family, member 3	Myom3	313625	1,08	down
5921164	7280570	1574091	myomesin family, member 3	Myom3	313625	1,06	up
6455583	7280570	1574069	myomesin family, member 3	Myom3	313625	1,06	down
6735515	7280570	1574059	myomesin family, member 3	Myom3	313625	1,05	up
6091084	7280570	1574087	myomesin family, member 3	Myom3	313625	1,04	down
6399421	7280570	1574095	myomesin family, member 3	Myom3	313625	1,04	up
6002118	7280570	1574074	myomesin family, member 3	Myom3	313625	1,04	down
6281245	7280570	1574076	myomesin family, member 3	Myom3	313625	1,03	up
5674338	7280570	1574088	myomesin family, member 3	Myom3	313625	1,03	down
6619668	7280570	1574086	myomesin family, member 3	Myom3	313625	1,02	up
6400085	7280570	1574085	myomesin family, member 3	Myom3	313625	1,02	down
5883281	7280570	1574063	myomesin family, member 3	Myom3	313625	1,01	up
6474452	7337664	1713920	myosin IE	Myo1e	25484	2,35	up
6579863	7337664	1713933	myosin IE	Myo1e	25484	1,73	down
5771257	7337664	1713927	myosin IE	Myo1e	25484	1,68	up
6497189	7337664	1713919	myosin IE	Myo1e	25484	1,57	down
6093823	7337664	1713925	myosin IE	Myo1e	25484	1,39	down
6161865	7337664	1713938	myosin IE	Myo1e	25484	1,36	up
6038124	7337664	1713924	myosin IE	Myo1e	25484	1,34	up

6621205	7337664	1713942	myosin IE	Myole	25484	1,33	down
6545403	7337664	1713931	myosin IE	Myole	25484	1,27	down
6049192	7337664	1713935	myosin IE	Myole	25484	1,27	up
6235853	7337664	1713941	myosin IE	Myole	25484	1,23	up
5916024	7337664	1713926	myosin IE	Myole	25484	1,23	up
6172491	7337664	1713934	myosin IE	Myole	25484	1,21	down
6635291	7337664	1713921	myosin IE	Myole	25484	1,20	up
6730543	7337664	1713946	myosin IE	Myole	25484	1,16	down
6648203	7337664	1713937	myosin IE	Myole	25484	1,16	up
6480562	7337664	1713922	myosin IE	Myole	25484	1,16	up
6109481	7337664	1713923	myosin IE	Myole	25484	1,13	up
5651679	7337664	1713928	myosin IE	Myole	25484	1,13	down
6295601	7337664	1713943	myosin IE	Myole	25484	1,12	down
6685658	7337664	1713945	myosin IE	Myole	25484	1,12	down
6050172	7337664	1713944	myosin IE	Myole	25484	1,10	down
6147239	7337664	1713939	myosin IE	Myole	25484	1,08	down
5965239	7337664	1713936	myosin IE	Myole	25484	1,07	up
6344754	7337664	1713941	myosin IE	Myole	25484	1,06	up
5768072	7337664	1713932	myosin IE	Myole	25484	1,05	down
6449903	7337664	1713929	myosin IE	Myole	25484	1,05	up
6708567	7337664	1713946	myosin IE	Myole	25484	1,05	up
5696790	7337664	1713940	myosin IE	Myole	25484	1,04	down
6035516	7337664	1713930	myosin IE	Myole	25484	1,02	down
6477597	7337664	1713946	myosin IE	Myole	25484	1,01	down
6734354	7312903	1654093	myosin IF	Myolf	314654	2,27	down
6006121	7312903	1654089	myosin IF	Myolf	314654	1,73	down
6495600	7312903	1654115	myosin IF	Myolf	314654	1,49	down
6386386	7312903	1654113	myosin IF	Myolf	314654	1,46	down
6332698	7312903	1654096	myosin IF	Myolf	314654	1,32	up
5979120	7312903	1654109	myosin IF	Myolf	314654	1,29	down
6017900	7312903	1654106	myosin IF	Myolf	314654	1,26	up
6008579	7312903	1654104	myosin IF	Myolf	314654	1,24	down
5624547	7312903	1654092	myosin IF	Myolf	314654	1,21	down
6726930	7312903	1654116	myosin IF	Myolf	314654	1,20	up
6086048	7312903	1654102	myosin IF	Myolf	314654	1,20	up
6616707	7312903	1654114	myosin IF	Myolf	314654	1,18	down
6081706	7312903	1654118	myosin IF	Myolf	314654	1,18	down
6689813	7312903	1654091	myosin IF	Myolf	314654	1,17	up
6044566	7312903	1654088	myosin IF	Myolf	314654	1,16	up
5846623	7312903	1654108	myosin IF	Myolf	314654	1,15	up
5688974	7312903	1654090	myosin IF	Myolf	314654	1,15	up
6569551	7312903	1654113	myosin IF	Myolf	314654	1,12	down
5697942	7312903	1654100	myosin IF	Myolf	314654	1,11	up
6280709	7312903	1654112	myosin IF	Myolf	314654	1,09	down
6452001	7312903	1654111	myosin IF	Myolf	314654	1,09	down
6004714	7312903	1654110	myosin IF	Myolf	314654	1,06	up
6533429	7312903	1654115	myosin IF	Myolf	314654	1,06	up
5995077	7312903	1654094	myosin IF	Myolf	314654	1,05	up
5657254	7312903	1654115	myosin IF	Myolf	314654	1,05	down
6100879	7312903	1654099	myosin IF	Myolf	314654	1,02	down
6205897	7312903	1654103	myosin IF	Myolf	314654	1,02	up
6448075	7312903	1654105	myosin IF	Myolf	314654	1,01	up
6559689	7312903	1654118	myosin IF	Myolf	314654	1,01	up
5999871	7312903	1654086	myosin IF	Myolf	314654	1,01	down
6046775	7312903	1654087	myosin IF	Myolf	314654	1,00	down
5700799	7143988	1235962	myosin IXb	Myo9b	25486	2,21	down
6083350	7143988	1235989	myosin IXb	Myo9b	25486	2,00	down

5737589	7143988	1235983	myosin IXb	Myo9b	25486	1,94	down
6088170	7143988	1236001	myosin IXb	Myo9b	25486	1,83	down
6431626	7143988	1235985	myosin IXb	Myo9b	25486	1,81	down
5634956	7143988	1235976	myosin IXb	Myo9b	25486	1,70	down
6259469	7143988	1235969	myosin IXb	Myo9b	25486	1,48	up
5871731	7143988	1235991	myosin IXb	Myo9b	25486	1,47	up
6576781	7143988	1235978	myosin IXb	Myo9b	25486	1,39	up
5629953	7143988	1235994	myosin IXb	Myo9b	25486	1,38	down
6589994	7143988	1235974	myosin IXb	Myo9b	25486	1,36	up
5924104	7143988	1235990	myosin IXb	Myo9b	25486	1,35	up
6150476	7143988	1235968	myosin IXb	Myo9b	25486	1,29	up
6490039	7143988	1235981	myosin IXb	Myo9b	25486	1,28	up
5956255	7143988	1235997	myosin IXb	Myo9b	25486	1,27	down
6149399	7143988	1235967	myosin IXb	Myo9b	25486	1,25	up
6269045	7143988	1235986	myosin IXb	Myo9b	25486	1,24	up
6397498	7143988	1235970	myosin IXb	Myo9b	25486	1,20	up
6576534	7143988	1235966	myosin IXb	Myo9b	25486	1,19	up
6183899	7143988	1235977	myosin IXb	Myo9b	25486	1,19	up
6081459	7143988	1235993	myosin IXb	Myo9b	25486	1,17	up
5755863	7143988	1235996	myosin IXb	Myo9b	25486	1,13	up
6588101	7143988	1235993	myosin IXb	Myo9b	25486	1,11	down
6248134	7143988	1235962	myosin IXb	Myo9b	25486	1,11	up
5819501	7143988	1235992	myosin IXb	Myo9b	25486	1,10	up
6080379	7143988	1235980	myosin IXb	Myo9b	25486	1,08	down
5856007	7143988	1235995	myosin IXb	Myo9b	25486	1,08	up
5704787	7143988	1235971	myosin IXb	Myo9b	25486	1,08	down
6063306	7143988	1235972	myosin IXb	Myo9b	25486	1,07	down
6154771	7143988	1235964	myosin IXb	Myo9b	25486	1,07	down
5737306	7143988	1235998	myosin IXb	Myo9b	25486	1,07	up
6374900	7143988	1236000	myosin IXb	Myo9b	25486	1,06	up
5774097	7143988	1235979	myosin IXb	Myo9b	25486	1,04	up
5871497	7143988	1235984	myosin IXb	Myo9b	25486	1,04	down
6329253	7143988	1235973	myosin IXb	Myo9b	25486	1,04	up
6197517	7143988	1235988	myosin IXb	Myo9b	25486	1,03	down
6689755	7143988	1235987	myosin IXb	Myo9b	25486	1,03	up
5872098	7143988	1235975	myosin IXb	Myo9b	25486	1,02	down
5726976	7143988	1235963	myosin IXb	Myo9b	25486	1,02	up
6530125	7143988	1235982	myosin IXb	Myo9b	25486	1,01	up
5643690	7143988	1235999	myosin IXb	Myo9b	25486	1,01	down
6070424	7143988	1235985	myosin IXb	Myo9b	25486	1,00	up
6100258	7143988	1235965	myosin IXb	Myo9b	25486	1,00	up
6710545	7163002	1282277	myosin regulatory light chain interacting protein	Myliip	306825	2,08	up
6037059	7163002	1282284	myosin regulatory light chain interacting protein	Myliip	306825	1,93	down
6596673	7163002	1282277	myosin regulatory light chain interacting protein	Myliip	306825	1,44	up
6148636	7163002	1282284	myosin regulatory light chain interacting protein	Myliip	306825	1,40	down
5805087	7163002	1282278	myosin regulatory light chain interacting protein	Myliip	306825	1,25	up
6531460	7163002	1282277	myosin regulatory light chain interacting protein	Myliip	306825	1,18	up
6639576	7163002	1282275	myosin regulatory light chain interacting protein	Myliip	306825	1,15	down
6724332	7163002	1282284	myosin regulatory light chain interacting protein	Myliip	306825	1,12	up
6549085	7163002	1282279	myosin regulatory light chain interacting protein	Myliip	306825	1,12	down
5851807	7163002	1282280	myosin regulatory light chain interacting protein	Myliip	306825	1,02	down
5654810	7163002	1282276	myosin regulatory light chain interacting protein	Myliip	306825	1,02	down
5904339	7163002	1282281	myosin regulatory light chain interacting protein	Myliip	306825	1,01	down
5986517	7153875	1259775	myosin XVI	Myo16	192253	2,60	down
6347495	7153875	1259774	myosin XVI	Myo16	192253	2,35	down
6044819	7153875	1259784	myosin XVI	Myo16	192253	2,34	down
5904292	7153875	1259797	myosin XVI	Myo16	192253	2,15	up

5793451	7153875	1259775	myosin XVI	Myo16	192253	2,08	up
5720731	7153875	1259781	myosin XVI	Myo16	192253	1,96	down
6387006	7153875	1259779	myosin XVI	Myo16	192253	1,91	down
5889465	7153875	1259783	myosin XVI	Myo16	192253	1,90	down
5657875	7153875	1259772	myosin XVI	Myo16	192253	1,89	down
6337793	7153875	1259771	myosin XVI	Myo16	192253	1,77	down
5620532	7153875	1259791	myosin XVI	Myo16	192253	1,77	up
6113699	7153875	1259803	myosin XVI	Myo16	192253	1,75	up
5849202	7153875	1259777	myosin XVI	Myo16	192253	1,71	down
5995193	7153875	1259773	myosin XVI	Myo16	192253	1,70	down
6228439	7153875	1259790	myosin XVI	Myo16	192253	1,69	up
5731177	7153875	1259800	myosin XVI	Myo16	192253	1,64	up
5754258	7153875	1259774	myosin XVI	Myo16	192253	1,62	down
6627582	7153875	1259782	myosin XVI	Myo16	192253	1,62	down
6353839	7153875	1259771	myosin XVI	Myo16	192253	1,58	down
5685388	7153875	1259780	myosin XVI	Myo16	192253	1,57	down
6210125	7153875	1259799	myosin XVI	Myo16	192253	1,56	up
6123554	7153875	1259798	myosin XVI	Myo16	192253	1,56	up
6446187	7153875	1259796	myosin XVI	Myo16	192253	1,55	up
6739091	7153875	1259802	myosin XVI	Myo16	192253	1,54	up
5623713	7153875	1259792	myosin XVI	Myo16	192253	1,52	up
6192688	7153875	1259775	myosin XVI	Myo16	192253	1,50	down
6633210	7153875	1259796	myosin XVI	Myo16	192253	1,49	up
6656394	7153875	1259804	myosin XVI	Myo16	192253	1,45	up
5965477	7153875	1259795	myosin XVI	Myo16	192253	1,41	up
6525290	7153875	1259806	myosin XVI	Myo16	192253	1,38	up
6292671	7153875	1259793	myosin XVI	Myo16	192253	1,36	up
6144837	7153875	1259805	myosin XVI	Myo16	192253	1,34	down
5739100	7153875	1259776	myosin XVI	Myo16	192253	1,34	up
6292817	7153875	1259778	myosin XVI	Myo16	192253	1,32	down
6556426	7153875	1259794	myosin XVI	Myo16	192253	1,32	up
6300779	7153875	1259789	myosin XVI	Myo16	192253	1,28	up
6447165	7153875	1259785	myosin XVI	Myo16	192253	1,26	up
6215582	7153875	1259772	myosin XVI	Myo16	192253	1,24	up
5655722	7153875	1259787	myosin XVI	Myo16	192253	1,21	down
6191981	7153875	1259801	myosin XVI	Myo16	192253	1,18	up
5746886	7153875	1259799	myosin XVI	Myo16	192253	1,16	up
6129532	7153875	1259771	myosin XVI	Myo16	192253	1,13	down
6447082	7153875	1259786	myosin XVI	Myo16	192253	1,07	up
6409700	7153875	1259775	myosin XVI	Myo16	192253	1,07	up
5638656	7153875	1259788	myosin XVI	Myo16	192253	1,03	down
6145417	7153875	1259807	myosin XVI	Myo16	192253	1,03	up
6725003	7153875	1259775	myosin XVI	Myo16	192253	1,02	up
6653197	7064468	1042340	myosin, heavy chain 11, smooth muscle	Myh11	24582	2,87	up
5798434	7064468	1042347	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,73	down
6270886	7064468	1042333	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,55	up
6746057	7064468	1042375	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,53	up
6061410	7064468	1042335	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,53	down
6314524	7064468	1042336	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,47	up
6336265	7064468	1042356	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,40	up
5958666	7064468	1042348	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,38	up
6413878	7064468	1042339	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,37	up
6047053	7064468	1042338	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,36	up
5949871	7064468	1042337	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,35	down
5852558	7064468	1042346	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,34	up
5996827	7064468	1042359	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,34	down
6577307	7064468	1042353	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,32	down

6731705	7064468	1042341	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,31	down
5742541	7064468	1042351	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,25	down
6625160	7064468	1042345	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,25	up
6720390	7064468	1042355	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,22	down
5985381	7064468	1042360	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,15	down
6262359	7064468	1042350	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,15	down
5997561	7064468	1042357	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,09	down
6280724	7064468	1042361	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,07	up
6247741	7064468	1042342	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,05	up
6013757	7064468	1042352	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,02	up
5684806	7064468	1042343	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,02	up
6453717	7064468	1042362	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,01	up
6713591	7064468	1042344	myosin, heavy chain 11, smooth muscle	Myh11	24582	1,00	up
5962893	7138120	1221401	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	2,05	up
6703908	7138120	1221421	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	2,01	up
5621226	7138120	1221398	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,87	up
5831224	7138120	1221423	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,65	up
6498672	7138120	1221402	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,49	down
6034163	7138120	1221399	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,44	down
6692782	7138120	1221414	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,42	down
5914494	7138120	1221431	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,31	down
5926496	7138120	1221428	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,30	up
6271786	7138120	1221427	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,28	down
5740219	7138120	1221404	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,27	down
5653180	7138120	1221400	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,27	down
6172283	7138120	1221413	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,23	down
5657539	7138120	1221417	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,22	up
6120008	7138120	1221412	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,22	down
5864937	7138120	1221429	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,17	up
5864982	7138120	1221426	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,16	down
6223973	7138120	1221433	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,16	down
5867264	7138120	1221432	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,15	down
6263428	7138120	1221407	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,14	up
6466448	7138120	1221424	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,10	up
5866994	7138120	1221411	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,10	up
5850100	7138120	1221408	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,08	up
5821346	7138120	1221400	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,07	up
6594441	7138120	1221397	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,06	up
6118701	7138120	1221409	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,05	down
5778776	7138120	1221416	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,05	down
5761778	7138120	1221406	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,04	down
6526220	7138120	1221405	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,04	down
6326032	7138120	1221422	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,03	down
5667624	7138120	1221410	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,03	up
6468802	7138120	1221418	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,02	up
6215322	7138120	1221403	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	up
6537512	7138120	1221430	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	up
6472824	7138120	1221419	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	up
6257053	7138120	1221425	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	down
5667646	7138120	1221415	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,01	up
6038599	7138120	1221420	myosin, heavy chain 6, cardiac muscle, alpha	Myh6	29556	1,00	up
5811136	7234529	1459640	myosin, light chain 9, regulatory	Myl9	296313	2,02	down
5737109	7234529	1459639	myosin, light chain 9, regulatory	Myl9	296313	1,28	up
5821165	7234529	1459641	myosin, light chain 9, regulatory	Myl9	296313	1,08	up
6712745	7234529	1459642	myosin, light chain 9, regulatory	Myl9	296313	1,08	up
6507004	7234529	1459638	myosin, light chain 9, regulatory	Myl9	296313	1,03	down
6588782	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	3,40	up

6616128	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,84	up
6489676	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,50	up
6739956	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,46	up
6508397	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,37	up
5899464	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,06	down
5799205	7223633	1431501	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,03	up
5868007	7223633	1431502	myristoylated alanine rich protein kinase C substrate	Marcks	25603	1,02	up
5861353	7092176	1108318	myxovirus (influenza virus) resistance 1	Mx1	24575	2,43	up
6341613	7092176	1108319	myxovirus (influenza virus) resistance 1	Mx1	24575	1,97	down
6099951	7092176	1108317	myxovirus (influenza virus) resistance 1	Mx1	24575	1,79	up
6004228	7092176	1108323	myxovirus (influenza virus) resistance 1	Mx1	24575	1,60	down
6468573	7092176	1108323	myxovirus (influenza virus) resistance 1	Mx1	24575	1,50	down
6337819	7092176	1108313	myxovirus (influenza virus) resistance 1	Mx1	24575	1,43	down
6124690	7092176	1108311	myxovirus (influenza virus) resistance 1	Mx1	24575	1,43	down
6197122	7092176	1108320	myxovirus (influenza virus) resistance 1	Mx1	24575	1,37	up
6452334	7092176	1108314	myxovirus (influenza virus) resistance 1	Mx1	24575	1,36	up
6002822	7092176	1108310	myxovirus (influenza virus) resistance 1	Mx1	24575	1,34	down
5897638	7092176	1108321	myxovirus (influenza virus) resistance 1	Mx1	24575	1,27	down
6262990	7092176	1108316	myxovirus (influenza virus) resistance 1	Mx1	24575	1,22	down
6009201	7092176	1108315	myxovirus (influenza virus) resistance 1	Mx1	24575	1,21	up
5921892	7092176	1108312	myxovirus (influenza virus) resistance 1	Mx1	24575	1,18	down
6023507	7092176	1108322	myxovirus (influenza virus) resistance 1	Mx1	24575	1,18	up
5868485	7092176	1108316	myxovirus (influenza virus) resistance 1	Mx1	24575	1,00	down
6438386	7087207	1095975	myxovirus (influenza virus) resistance 2	Mx2	286918	2,94	up
5645006	7087207	1095966	myxovirus (influenza virus) resistance 2	Mx2	286918	2,78	down
5627139	7087207	1095967	myxovirus (influenza virus) resistance 2	Mx2	286918	2,71	down
5942659	7087207	1095977	myxovirus (influenza virus) resistance 2	Mx2	286918	2,30	down
6690333	7087207	1095974	myxovirus (influenza virus) resistance 2	Mx2	286918	2,19	up
5641766	7087207	1095973	myxovirus (influenza virus) resistance 2	Mx2	286918	1,70	up
5901301	7087207	1095972	myxovirus (influenza virus) resistance 2	Mx2	286918	1,68	down
5675888	7087207	1095973	myxovirus (influenza virus) resistance 2	Mx2	286918	1,31	up
6223794	7087207	1095971	myxovirus (influenza virus) resistance 2	Mx2	286918	1,30	up
6579518	7087207	1095969	myxovirus (influenza virus) resistance 2	Mx2	286918	1,29	down
5740960	7087207	1095976	myxovirus (influenza virus) resistance 2	Mx2	286918	1,23	down
5636952	7087207	1095970	myxovirus (influenza virus) resistance 2	Mx2	286918	1,21	down
6427645	7087207	1095968	myxovirus (influenza virus) resistance 2	Mx2	286918	1,09	down
6126461	7255510	1511331	N-acetylglucosamine kinase	Nagk	297393	2,01	down
5711325	7255510	1511321	N-acetylglucosamine kinase	Nagk	297393	1,45	up
6033773	7255510	1511324	N-acetylglucosamine kinase	Nagk	297393	1,30	up
6697348	7255510	1511325	N-acetylglucosamine kinase	Nagk	297393	1,25	up
6415819	7255510	1511320	N-acetylglucosamine kinase	Nagk	297393	1,20	down
6492936	7255510	1511327	N-acetylglucosamine kinase	Nagk	297393	1,16	down
6178678	7255510	1511330	N-acetylglucosamine kinase	Nagk	297393	1,06	up
6201202	7255510	1511329	N-acetylglucosamine kinase	Nagk	297393	1,05	down
5984421	7255510	1511328	N-acetylglucosamine kinase	Nagk	297393	1,03	down
6422915	7255510	1511322	N-acetylglucosamine kinase	Nagk	297393	1,03	down
5720270	7255510	1511323	N-acetylglucosamine kinase	Nagk	297393	1,02	down
6569739	7060085	1031724	N-acetyltransferase 11	Nat11	361718	2,20	down
5842234	7060085	1031720	N-acetyltransferase 11	Nat11	361718	2,08	down
6733810	7060085	1031720	N-acetyltransferase 11	Nat11	361718	1,78	down
5701004	7060085	1031719	N-acetyltransferase 11	Nat11	361718	1,29	down
6675051	7060085	1031721	N-acetyltransferase 11	Nat11	361718	1,28	down
6451413	7060085	1031718	N-acetyltransferase 11	Nat11	361718	1,24	up
5822759	7060085	1031718	N-acetyltransferase 11	Nat11	361718	1,21	up
6441156	7060085	1031717	N-acetyltransferase 11	Nat11	361718	1,21	up
6576520	7060085	1031717	N-acetyltransferase 11	Nat11	361718	1,19	up
6337499	7060085	1031717	N-acetyltransferase 11	Nat11	361718	1,11	down

5786938	7060085	1031717	N-acetyltransferase 11	Nat11	361718	1,11	down
5821642	7060085	1031717	N-acetyltransferase 11	Nat11	361718	1,10	up
6569853	7060085	1031726	N-acetyltransferase 11	Nat11	361718	1,10	down
6354952	7060085	1031730	N-acetyltransferase 11	Nat11	361718	1,06	up
6254592	7093264	1110790	N-acetyltransferase 13	Nat13	288108	2,03	down
6265214	7093264	1110796	N-acetyltransferase 13	Nat13	288108	1,37	down
6015501	7093264	1110790	N-acetyltransferase 13	Nat13	288108	1,28	down
5933396	7093264	1110790	N-acetyltransferase 13	Nat13	288108	1,24	down
6182319	7093264	1110791	N-acetyltransferase 13	Nat13	288108	1,14	up
5876336	7093264	1110793	N-acetyltransferase 13	Nat13	288108	1,11	up
6143728	7093264	1110796	N-acetyltransferase 13	Nat13	288108	1,10	down
6186061	7093264	1110794	N-acetyltransferase 13	Nat13	288108	1,08	down
5990357	7093264	1110793	N-acetyltransferase 13	Nat13	288108	1,07	down
5898444	7093264	1110796	N-acetyltransferase 13	Nat13	288108	1,06	up
6476310	7093264	1110791	N-acetyltransferase 13	Nat13	288108	1,05	down
5948028	7093264	1110792	N-acetyltransferase 13	Nat13	288108	1,04	down
5709299	7266798	1538880	N-acetyltransferase 8B	Nat8b	171084	3,70	up
6416209	7266798	1538881	N-acetyltransferase 8B	Nat8b	171084	1,41	down
6469570	7266798	1538880	N-acetyltransferase 8B	Nat8b	171084	1,17	down
5906394	7266798	1538879	N-acetyltransferase 8B	Nat8b	171084	1,15	up
5829787	7266798	1538880	N-acetyltransferase 8B	Nat8b	171084	1,10	up
6274852	7028326	957434	NACHT, leucine rich repeat and PYD containing 12	Nalp12	292541	1,06	down
5836535	7144389	1236778	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex 13 pseudogene	Ndufa13-ps	290671	1,02	down
6366998	7075388	1069183	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	Ndufb10	681418	2,15	up
6412015	7075388	1069185	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	Ndufb10	681418	1,54	down
6474734	7075388	1069182	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	Ndufb10	681418	1,06	up
5801299	7075388	1069184	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 10	Ndufb10	681418	1,03	up
5804625	7252777	1504491	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	Ndufb2	362344	2,27	down
5637029	7252777	1504494	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	Ndufb2	362344	1,74	down
6260942	7252777	1504492	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	Ndufb2	362344	1,49	up
6103952	7252777	1504492	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	Ndufb2	362344	1,29	up
6488767	7252777	1504492	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	Ndufb2	362344	1,28	down
6378634	7252777	1504493	NADH dehydrogenase (ubiquinone) 1 beta subcomplex, 2	Ndufb2	362344	1,02	down
5773237	7034343	972107	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	Ndufc2	293130	2,15	down
6446455	7034343	972107	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	Ndufc2	293130	1,36	down
6505753	7034343	972104	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	Ndufc2	293130	1,23	up
6300932	7034343	972107	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	Ndufc2	293130	1,20	up
5764674	7034343	972106	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	Ndufc2	293130	1,12	up
6288470	7034343	972105	NADH dehydrogenase (ubiquinone) 1, subcomplex unknown, 2	Ndufc2	293130	1,09	up
6626544	7322250	1677050	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	2,09	down
5974797	7322250	1677051	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,44	down
6475101	7322250	1677052	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,31	up
5876977	7322250	1677048	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,31	down
6744512	7322250	1677045	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,28	up
6720189	7322250	1677047	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,19	down
6694318	7322250	1677050	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,16	up
6135180	7322250	1677046	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,07	up
6182173	7322250	1677049	NADH dehydrogenase (ubiquinone) Fe-S protein 7	Ndufs7	362837	1,02	down
5937208	7059412	1030189	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	2,65	up
6401764	7059412	1030187	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,83	down
5818041	7059412	1030184	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,25	down
6542304	7059412	1030186	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,22	up
6119254	7059412	1030182	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,09	up
5711043	7059412	1030181	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,06	down
5897840	7059412	1030185	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,03	down
5908683	7059412	1030183	NADH dehydrogenase (ubiquinone) Fe-S protein 8	Ndufs8	293652	1,00	down
6278538	7321204	1675159	NCK associated protein 1 like	Nckap11	315348	2,30	up

6009483	7321204	1675157	NCK associated protein 1 like	Nckap11	315348	2,01	down
5682535	7321204	1675163	NCK associated protein 1 like	Nckap11	315348	1,46	down
6178886	7321204	1675178	NCK associated protein 1 like	Nckap11	315348	1,42	up
5763329	7321204	1675173	NCK associated protein 1 like	Nckap11	315348	1,34	down
5689210	7321204	1675164	NCK associated protein 1 like	Nckap11	315348	1,30	down
6376586	7321204	1675158	NCK associated protein 1 like	Nckap11	315348	1,28	up
6661530	7321204	1675184	NCK associated protein 1 like	Nckap11	315348	1,28	down
5732974	7321204	1675154	NCK associated protein 1 like	Nckap11	315348	1,27	down
6380649	7321204	1675170	NCK associated protein 1 like	Nckap11	315348	1,25	down
5809438	7321204	1675151	NCK associated protein 1 like	Nckap11	315348	1,21	up
5674026	7321204	1675165	NCK associated protein 1 like	Nckap11	315348	1,21	down
6407805	7321204	1675167	NCK associated protein 1 like	Nckap11	315348	1,16	up
6440129	7321204	1675162	NCK associated protein 1 like	Nckap11	315348	1,16	up
5887195	7321204	1675160	NCK associated protein 1 like	Nckap11	315348	1,16	down
6705187	7321204	1675163	NCK associated protein 1 like	Nckap11	315348	1,13	up
5628672	7321204	1675176	NCK associated protein 1 like	Nckap11	315348	1,12	down
5839388	7321204	1675157	NCK associated protein 1 like	Nckap11	315348	1,11	down
6003530	7321204	1675169	NCK associated protein 1 like	Nckap11	315348	1,10	up
5620348	7321204	1675184	NCK associated protein 1 like	Nckap11	315348	1,10	up
6193392	7321204	1675166	NCK associated protein 1 like	Nckap11	315348	1,10	down
6199065	7321204	1675153	NCK associated protein 1 like	Nckap11	315348	1,08	up
6731107	7321204	1675177	NCK associated protein 1 like	Nckap11	315348	1,08	down
6049344	7321204	1675183	NCK associated protein 1 like	Nckap11	315348	1,07	down
5768236	7321204	1675162	NCK associated protein 1 like	Nckap11	315348	1,07	down
5846909	7321204	1675180	NCK associated protein 1 like	Nckap11	315348	1,06	down
5903910	7321204	1675182	NCK associated protein 1 like	Nckap11	315348	1,06	down
6217196	7321204	1675182	NCK associated protein 1 like	Nckap11	315348	1,04	down
5860092	7321204	1675174	NCK associated protein 1 like	Nckap11	315348	1,02	down
6672008	7321204	1675168	NCK associated protein 1 like	Nckap11	315348	1,02	down
6255880	7321204	1675171	NCK associated protein 1 like	Nckap11	315348	1,01	down
5929349	7321204	1675152	NCK associated protein 1 like	Nckap11	315348	1,01	up
6249404	7321204	1675155	NCK associated protein 1 like	Nckap11	315348	1,01	up
6625658	7321204	1675181	NCK associated protein 1 like	Nckap11	315348	1,01	down
6642668	7321204	1675161	NCK associated protein 1 like	Nckap11	315348	1,00	up
6375612	7238845	1470562	nebulin	Neb	311029	2,88	down
6725470	7238845	1470665	nebulin	Neb	311029	2,26	down
6706052	7238845	1470615	nebulin	Neb	311029	2,11	down
6684869	7238845	1470621	nebulin	Neb	311029	1,92	down
5982310	7238845	1470668	nebulin	Neb	311029	1,89	down
5651914	7238845	1470738	nebulin	Neb	311029	1,89	down
6285152	7238845	1470629	nebulin	Neb	311029	1,85	down
6131465	7238845	1470579	nebulin	Neb	311029	1,78	down
6401674	7238845	1470582	nebulin	Neb	311029	1,71	down
5895017	7238845	1470640	nebulin	Neb	311029	1,66	down
6666005	7238845	1470609	nebulin	Neb	311029	1,57	up
6025702	7238845	1470741	nebulin	Neb	311029	1,55	up
5642821	7238845	1470616	nebulin	Neb	311029	1,55	up
5698620	7238845	1470674	nebulin	Neb	311029	1,54	down
5701482	7238845	1470671	nebulin	Neb	311029	1,54	down
6286751	7238845	1470564	nebulin	Neb	311029	1,53	down
6260248	7238845	1470613	nebulin	Neb	311029	1,51	down
5759290	7238845	1470663	nebulin	Neb	311029	1,50	down
5840466	7238845	1470585	nebulin	Neb	311029	1,49	up
6618123	7238845	1470661	nebulin	Neb	311029	1,48	down
5968619	7238845	1470641	nebulin	Neb	311029	1,44	up
5768722	7238845	1470704	nebulin	Neb	311029	1,44	down
6437730	7238845	1470697	nebulin	Neb	311029	1,41	up

6226155	7238845	1470645	nebulin	Neb	311029	1,38	down
6379578	7238845	1470590	nebulin	Neb	311029	1,37	down
5904856	7238845	1470614	nebulin	Neb	311029	1,36	down
6119939	7238845	1470596	nebulin	Neb	311029	1,35	up
6421103	7238845	1470723	nebulin	Neb	311029	1,35	down
5792616	7238845	1470716	nebulin	Neb	311029	1,34	up
6123670	7238845	1470657	nebulin	Neb	311029	1,34	up
6425126	7238845	1470622	nebulin	Neb	311029	1,33	down
6524101	7238845	1470690	nebulin	Neb	311029	1,33	down
6644519	7238845	1470570	nebulin	Neb	311029	1,32	down
6527697	7238845	1470687	nebulin	Neb	311029	1,31	down
5672109	7238845	1470588	nebulin	Neb	311029	1,30	up
6057931	7238845	1470729	nebulin	Neb	311029	1,30	down
5961171	7238845	1470660	nebulin	Neb	311029	1,30	up
5859904	7238845	1470631	nebulin	Neb	311029	1,29	up
6401823	7238845	1470619	nebulin	Neb	311029	1,29	down
6221323	7238845	1470709	nebulin	Neb	311029	1,27	down
5930123	7238845	1470707	nebulin	Neb	311029	1,25	down
6192350	7238845	1470718	nebulin	Neb	311029	1,25	down
6000448	7238845	1470606	nebulin	Neb	311029	1,25	down
6512219	7238845	1470626	nebulin	Neb	311029	1,24	up
6579803	7238845	1470699	nebulin	Neb	311029	1,24	down
6378378	7238845	1470605	nebulin	Neb	311029	1,23	down
6593318	7238845	1470686	nebulin	Neb	311029	1,23	up
6413436	7238845	1470594	nebulin	Neb	311029	1,22	down
6094652	7238845	1470681	nebulin	Neb	311029	1,21	down
6241045	7238845	1470624	nebulin	Neb	311029	1,19	down
6029542	7238845	1470561	nebulin	Neb	311029	1,19	down
5954911	7238845	1470664	nebulin	Neb	311029	1,19	up
5793618	7238845	1470649	nebulin	Neb	311029	1,18	down
6119845	7238845	1470705	nebulin	Neb	311029	1,18	up
6672370	7238845	1470698	nebulin	Neb	311029	1,18	down
6300652	7238845	1470710	nebulin	Neb	311029	1,18	down
6175202	7238845	1470560	nebulin	Neb	311029	1,17	up
6166786	7238845	1470564	nebulin	Neb	311029	1,17	up
5847729	7238845	1470703	nebulin	Neb	311029	1,16	up
6009017	7238845	1470612	nebulin	Neb	311029	1,16	down
6627284	7238845	1470732	nebulin	Neb	311029	1,16	down
6027613	7238845	1470666	nebulin	Neb	311029	1,16	down
6279498	7238845	1470647	nebulin	Neb	311029	1,15	down
5735976	7238845	1470727	nebulin	Neb	311029	1,14	down
6337450	7238845	1470722	nebulin	Neb	311029	1,14	down
6618078	7238845	1470638	nebulin	Neb	311029	1,14	up
6415605	7238845	1470682	nebulin	Neb	311029	1,14	down
6473118	7238845	1470678	nebulin	Neb	311029	1,14	up
6396328	7238845	1470608	nebulin	Neb	311029	1,14	up
6621391	7238845	1470667	nebulin	Neb	311029	1,13	up
6685723	7238845	1470737	nebulin	Neb	311029	1,13	up
6306446	7238845	1470728	nebulin	Neb	311029	1,13	up
6567341	7238845	1470689	nebulin	Neb	311029	1,13	up
6710451	7238845	1470561	nebulin	Neb	311029	1,13	down
5702775	7238845	1470711	nebulin	Neb	311029	1,12	up
6004277	7238845	1470644	nebulin	Neb	311029	1,12	up
5751980	7238845	1470742	nebulin	Neb	311029	1,12	down
6354379	7238845	1470646	nebulin	Neb	311029	1,11	up
6480532	7238845	1470607	nebulin	Neb	311029	1,10	up
5867759	7238845	1470620	nebulin	Neb	311029	1,10	down

6193119	7238845	1470654	nebulin	Neb	311029	1,10	down
6015644	7238845	1470659	nebulin	Neb	311029	1,09	down
6623392	7238845	1470587	nebulin	Neb	311029	1,09	down
5845091	7238845	1470672	nebulin	Neb	311029	1,09	up
6037224	7238845	1470586	nebulin	Neb	311029	1,09	up
6485369	7238845	1470602	nebulin	Neb	311029	1,09	up
5935843	7238845	1470636	nebulin	Neb	311029	1,09	up
6556237	7238845	1470679	nebulin	Neb	311029	1,09	down
6586458	7238845	1470694	nebulin	Neb	311029	1,08	up
6556876	7238845	1470639	nebulin	Neb	311029	1,08	down
5636756	7238845	1470569	nebulin	Neb	311029	1,08	down
6579193	7238845	1470719	nebulin	Neb	311029	1,08	up
5735286	7238845	1470658	nebulin	Neb	311029	1,08	up
6137916	7238845	1470739	nebulin	Neb	311029	1,08	down
5824324	7238845	1470567	nebulin	Neb	311029	1,07	down
5794194	7238845	1470675	nebulin	Neb	311029	1,07	up
6507705	7238845	1470712	nebulin	Neb	311029	1,07	down
6538712	7238845	1470726	nebulin	Neb	311029	1,06	up
6128809	7238845	1470600	nebulin	Neb	311029	1,06	up
6655621	7238845	1470597	nebulin	Neb	311029	1,06	up
6490908	7238845	1470559	nebulin	Neb	311029	1,06	up
5953010	7238845	1470655	nebulin	Neb	311029	1,06	up
6136665	7238845	1470637	nebulin	Neb	311029	1,06	up
6233799	7238845	1470724	nebulin	Neb	311029	1,06	up
6711163	7238845	1470735	nebulin	Neb	311029	1,06	down
6312072	7238845	1470618	nebulin	Neb	311029	1,05	down
6283340	7238845	1470648	nebulin	Neb	311029	1,05	down
5714084	7238845	1470701	nebulin	Neb	311029	1,05	down
5706486	7238845	1470676	nebulin	Neb	311029	1,05	up
6248822	7238845	1470706	nebulin	Neb	311029	1,05	down
5898404	7238845	1470680	nebulin	Neb	311029	1,05	up
6396734	7238845	1470632	nebulin	Neb	311029	1,04	down
6675005	7238845	1470736	nebulin	Neb	311029	1,04	up
6139517	7238845	1470623	nebulin	Neb	311029	1,04	up
6423081	7238845	1470580	nebulin	Neb	311029	1,04	down
5721379	7238845	1470628	nebulin	Neb	311029	1,04	down
5906649	7238845	1470734	nebulin	Neb	311029	1,04	down
6125530	7238845	1470700	nebulin	Neb	311029	1,04	up
5667111	7238845	1470627	nebulin	Neb	311029	1,04	up
6719148	7238845	1470696	nebulin	Neb	311029	1,03	up
5677216	7238845	1470583	nebulin	Neb	311029	1,03	down
6680090	7238845	1470695	nebulin	Neb	311029	1,03	up
6466561	7238845	1470683	nebulin	Neb	311029	1,03	up
6695615	7238845	1470649	nebulin	Neb	311029	1,03	up
6167540	7238845	1470652	nebulin	Neb	311029	1,03	up
6409068	7238845	1470677	nebulin	Neb	311029	1,03	up
6464880	7238845	1470730	nebulin	Neb	311029	1,03	up
5839997	7238845	1470592	nebulin	Neb	311029	1,02	up
6725344	7238845	1470656	nebulin	Neb	311029	1,02	down
6078516	7238845	1470593	nebulin	Neb	311029	1,02	down
5923635	7238845	1470651	nebulin	Neb	311029	1,02	up
6589085	7238845	1470693	nebulin	Neb	311029	1,02	down
6236779	7238845	1470731	nebulin	Neb	311029	1,02	up
6598431	7238845	1470599	nebulin	Neb	311029	1,02	up
6322278	7238845	1470634	nebulin	Neb	311029	1,02	up
6247175	7238845	1470589	nebulin	Neb	311029	1,02	down
5801517	7238845	1470713	nebulin	Neb	311029	1,02	up

6207935	7238845	1470684	nebulin	Neb	311029	1,01	up
6057197	7238845	1470643	nebulin	Neb	311029	1,01	down
6440169	7238845	1470725	nebulin	Neb	311029	1,01	up
5897279	7238845	1470617	nebulin	Neb	311029	1,01	up
6147364	7238845	1470633	nebulin	Neb	311029	1,01	up
6193332	7238845	1470568	nebulin	Neb	311029	1,01	up
5889687	7238845	1470630	nebulin	Neb	311029	1,01	up
5970211	7238845	1470714	nebulin	Neb	311029	1,01	up
6085974	7238845	1470653	nebulin	Neb	311029	1,01	up
6553036	7238845	1470565	nebulin	Neb	311029	1,01	down
5648245	7238845	1470715	nebulin	Neb	311029	1,01	up
6625676	7238845	1470584	nebulin	Neb	311029	1,00	down
5812443	7238845	1470567	nebulin	Neb	311029	1,00	down
5799839	7238845	1470688	nebulin	Neb	311029	1,00	down
5779827	7238845	1470650	nebulin	Neb	311029	1,00	up
6008375	7238845	1470635	nebulin	Neb	311029	1,00	down
5867601	7238845	1470591	nebulin	Neb	311029	1,00	down
6181867	7238845	1470566	nebulin	Neb	311029	1,00	down
5654320	7238845	1470595	nebulin	Neb	311029	1,00	up
5825264	7238845	1470598	nebulin	Neb	311029	1,00	up
5939014	7238845	1470601	nebulin	Neb	311029	1,00	up
6050659	7238845	1470692	nebulin	Neb	311029	1,00	up
6064895	7238845	1470625	nebulin	Neb	311029	1,00	up
6148878	7238845	1470611	nebulin	Neb	311029	1,00	up
6198676	7238845	1470720	nebulin	Neb	311029	1,00	up
6063517	7064054	1041233	nebulin-related anchoring protein	Nrap	307982	2,08	up
5740159	7064054	1041267	nebulin-related anchoring protein	Nrap	307982	1,89	up
6204509	7064054	1041240	nebulin-related anchoring protein	Nrap	307982	1,87	up
6278010	7064054	1041257	nebulin-related anchoring protein	Nrap	307982	1,76	up
5774452	7064054	1041247	nebulin-related anchoring protein	Nrap	307982	1,64	up
6382214	7064054	1041235	nebulin-related anchoring protein	Nrap	307982	1,57	down
6291912	7064054	1041231	nebulin-related anchoring protein	Nrap	307982	1,45	up
5740546	7064054	1041243	nebulin-related anchoring protein	Nrap	307982	1,44	up
5792775	7064054	1041230	nebulin-related anchoring protein	Nrap	307982	1,39	down
6075814	7064054	1041236	nebulin-related anchoring protein	Nrap	307982	1,39	down
5937002	7064054	1041249	nebulin-related anchoring protein	Nrap	307982	1,36	up
6052169	7064054	1041264	nebulin-related anchoring protein	Nrap	307982	1,36	down
6722716	7064054	1041226	nebulin-related anchoring protein	Nrap	307982	1,31	up
6263497	7064054	1041244	nebulin-related anchoring protein	Nrap	307982	1,31	up
6114779	7064054	1041225	nebulin-related anchoring protein	Nrap	307982	1,30	down
6231191	7064054	1041221	nebulin-related anchoring protein	Nrap	307982	1,28	up
6042062	7064054	1041242	nebulin-related anchoring protein	Nrap	307982	1,22	down
6308198	7064054	1041232	nebulin-related anchoring protein	Nrap	307982	1,21	down
6287902	7064054	1041224	nebulin-related anchoring protein	Nrap	307982	1,16	down
5875508	7064054	1041237	nebulin-related anchoring protein	Nrap	307982	1,16	up
6020634	7064054	1041228	nebulin-related anchoring protein	Nrap	307982	1,14	down
6271067	7064054	1041217	nebulin-related anchoring protein	Nrap	307982	1,13	down
6319151	7064054	1041261	nebulin-related anchoring protein	Nrap	307982	1,12	down
6525498	7064054	1041217	nebulin-related anchoring protein	Nrap	307982	1,11	up
6692571	7064054	1041234	nebulin-related anchoring protein	Nrap	307982	1,10	down
5755019	7064054	1041255	nebulin-related anchoring protein	Nrap	307982	1,10	up
5728261	7064054	1041256	nebulin-related anchoring protein	Nrap	307982	1,10	down
6525841	7064054	1041238	nebulin-related anchoring protein	Nrap	307982	1,09	up
6081034	7064054	1041229	nebulin-related anchoring protein	Nrap	307982	1,09	down
6662954	7064054	1041255	nebulin-related anchoring protein	Nrap	307982	1,08	up
6267400	7064054	1041262	nebulin-related anchoring protein	Nrap	307982	1,06	down
5705261	7064054	1041220	nebulin-related anchoring protein	Nrap	307982	1,06	up

6626422	7064054	1041246	nebulin-related anchoring protein	Nrap	307982	1,04	down
6598719	7064054	1041223	nebulin-related anchoring protein	Nrap	307982	1,04	down
6174129	7064054	1041266	nebulin-related anchoring protein	Nrap	307982	1,04	up
6140035	7064054	1041259	nebulin-related anchoring protein	Nrap	307982	1,04	up
6091431	7064054	1041227	nebulin-related anchoring protein	Nrap	307982	1,03	up
6040317	7064054	1041258	nebulin-related anchoring protein	Nrap	307982	1,03	up
6152563	7064054	1041267	nebulin-related anchoring protein	Nrap	307982	1,03	down
6305609	7064054	1041254	nebulin-related anchoring protein	Nrap	307982	1,02	down
5999468	7064054	1041219	nebulin-related anchoring protein	Nrap	307982	1,02	down
6415876	7064054	1041265	nebulin-related anchoring protein	Nrap	307982	1,02	down
6049188	7064054	1041268	nebulin-related anchoring protein	Nrap	307982	1,01	down
5723646	7064054	1041268	nebulin-related anchoring protein	Nrap	307982	1,01	down
6741367	7064054	1041260	nebulin-related anchoring protein	Nrap	307982	1,01	down
6107251	7064054	1041248	nebulin-related anchoring protein	Nrap	307982	1,00	down
6618350	7292520	1602572	NECAP endocytosis associated 2	Necap2	298598	3,01	down
5701350	7292520	1602567	NECAP endocytosis associated 2	Necap2	298598	1,77	up
6244665	7292520	1602564	NECAP endocytosis associated 2	Necap2	298598	1,42	down
5800205	7292520	1602568	NECAP endocytosis associated 2	Necap2	298598	1,38	down
5758166	7292520	1602566	NECAP endocytosis associated 2	Necap2	298598	1,36	up
5715541	7292520	1602569	NECAP endocytosis associated 2	Necap2	298598	1,14	up
5635754	7292520	1602564	NECAP endocytosis associated 2	Necap2	298598	1,14	down
5951624	7292520	1602572	NECAP endocytosis associated 2	Necap2	298598	1,12	up
6526809	7292520	1602570	NECAP endocytosis associated 2	Necap2	298598	1,11	up
6542906	7292520	1602565	NECAP endocytosis associated 2	Necap2	298598	1,10	down
6014601	7292520	1602571	NECAP endocytosis associated 2	Necap2	298598	1,05	down
6215238	7052331	1014598	necdin-like 2	Ndn12	309259	1,37	up
5892182	7052331	1014598	necdin-like 2	Ndn12	309259	1,05	up
5718109	7052331	1014598	necdin-like 2	Ndn12	309259	1,00	down
5951235	7077170	1073572	Nedd4 binding protein 3	N4bp3	303112	1,93	up
6372493	7077170	1073569	Nedd4 binding protein 3	N4bp3	303112	1,03	down
6326354	7077170	1073570	Nedd4 binding protein 3	N4bp3	303112	1,02	up
6516271	7077170	1073569	Nedd4 binding protein 3	N4bp3	303112	1,01	up
6692700	7077170	1073571	Nedd4 binding protein 3	N4bp3	303112	1,01	up
6296517	7260461	1523858	negative regulator of ubiquitin-like proteins 1	Nub1	296731	2,32	down
6665781	7260461	1523870	negative regulator of ubiquitin-like proteins 1	Nub1	296731	2,22	down
6532248	7260461	1523866	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,86	down
6376523	7260461	1523868	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,42	up
6127826	7260461	1523867	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,26	up
6672396	7260461	1523857	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,14	up
6242317	7260461	1523865	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,14	up
6375503	7260461	1523855	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,12	up
5902992	7260461	1523862	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,10	down
6000277	7260461	1523858	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,10	up
6605105	7260461	1523869	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,09	up
6100930	7260461	1523863	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,08	up
6216897	7260461	1523859	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,07	down
6533036	7260461	1523856	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,07	up
6463706	7260461	1523864	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,04	down
6409741	7260461	1523860	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,02	down
5963667	7260461	1523861	negative regulator of ubiquitin-like proteins 1	Nub1	296731	1,00	down
6353723	7072332	1061648	neighbor of Brca1 gene 1	Nbr1	303554	1,85	down
6319615	7072332	1061641	neighbor of Brca1 gene 1	Nbr1	303554	1,63	down
6342695	7072332	1061641	neighbor of Brca1 gene 1	Nbr1	303554	1,47	down
6221846	7072332	1061650	neighbor of Brca1 gene 1	Nbr1	303554	1,23	up
6100253	7072332	1061652	neighbor of Brca1 gene 1	Nbr1	303554	1,21	down
6470596	7072332	1061646	neighbor of Brca1 gene 1	Nbr1	303554	1,19	up
5658703	7072332	1061651	neighbor of Brca1 gene 1	Nbr1	303554	1,17	up

6477279	7072332	1061665	neighbor of Brca1 gene 1	Nbr1	303554	1,15	down
5881839	7072332	1061664	neighbor of Brca1 gene 1	Nbr1	303554	1,14	down
6719967	7072332	1061657	neighbor of Brca1 gene 1	Nbr1	303554	1,11	down
5860710	7072332	1061659	neighbor of Brca1 gene 1	Nbr1	303554	1,11	down
6511093	7072332	1061660	neighbor of Brca1 gene 1	Nbr1	303554	1,10	up
6140193	7072332	1061646	neighbor of Brca1 gene 1	Nbr1	303554	1,09	up
6734928	7072332	1061642	neighbor of Brca1 gene 1	Nbr1	303554	1,09	up
6292785	7072332	1061663	neighbor of Brca1 gene 1	Nbr1	303554	1,09	down
6011618	7072332	1061654	neighbor of Brca1 gene 1	Nbr1	303554	1,08	up
6063062	7072332	1061645	neighbor of Brca1 gene 1	Nbr1	303554	1,08	down
6428847	7072332	1061653	neighbor of Brca1 gene 1	Nbr1	303554	1,07	down
6645428	7072332	1061662	neighbor of Brca1 gene 1	Nbr1	303554	1,04	down
5869425	7072332	1061658	neighbor of Brca1 gene 1	Nbr1	303554	1,03	up
5704138	7072332	1061666	neighbor of Brca1 gene 1	Nbr1	303554	1,03	down
6238890	7072332	1061655	neighbor of Brca1 gene 1	Nbr1	303554	1,02	up
6153821	7072332	1061656	neighbor of Brca1 gene 1	Nbr1	303554	1,02	up
6329014	7072332	1061649	neighbor of Brca1 gene 1	Nbr1	303554	1,02	up
6233929	7072332	1061661	neighbor of Brca1 gene 1	Nbr1	303554	1,00	down
6487156	7072332	1061649	neighbor of Brca1 gene 1	Nbr1	303554	1,00	up
6189865	7244602	1484769	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	2,44	up
6380836	7244602	1484778	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,58	down
6548683	7244602	1484785	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,56	down
6576375	7244602	1484758	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,54	up
6370618	7244602	1484781	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,41	up
5916041	7244602	1484773	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,37	up
6027014	7244602	1484776	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,36	up
6505337	7244602	1484758	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,34	down
6086117	7244602	1484783	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,34	up
6418796	7244602	1484779	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,23	down
6196270	7244602	1484784	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,22	down
5724035	7244602	1484782	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,20	down
5676480	7244602	1484769	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,19	down
6572582	7244602	1484768	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,19	down
5963560	7244602	1484763	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,17	down
6053042	7244602	1484767	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,16	up
5698374	7244602	1484775	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,13	up
5685694	7244602	1484766	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,13	down
6664437	7244602	1484774	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,11	up
5917955	7244602	1484773	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,10	up
5784837	7244602	1484758	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,10	up
5906558	7244602	1484759	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,09	up
6484173	7244602	1484786	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,08	down
5943412	7244602	1484765	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,05	down
6243784	7244602	1484772	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,04	up
6297900	7244602	1484777	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,01	down
5822794	7244602	1484787	nephronophthisis 1 (juvenile) homolog (human)	Nphp1	296136	1,01	up
5986665	7030456	961574	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	2,30	up
6470357	7030456	961586	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,83	down
6484692	7030456	961581	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,69	down
6179737	7030456	961563	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,58	down
5721648	7030456	961577	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,55	up
6746148	7030456	961584	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,48	up
5952192	7030456	961571	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,47	down
6065067	7030456	961557	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,45	up
6133188	7030456	961566	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,42	down
5850655	7030456	961580	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,40	down
5664685	7030456	961579	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,38	up

6641092	7030456	961558	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,37	up
6013600	7030456	961578	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,33	down
6609925	7030456	961582	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,23	up
6611873	7030456	961557	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,21	up
5732175	7030456	961585	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,18	up
6347188	7030456	961569	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,17	down
6614050	7030456	961587	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,14	down
6329602	7030456	961575	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,13	down
6026401	7030456	961567	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,13	down
5797391	7030456	961580	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,12	down
6356790	7030456	961572	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,12	down
6676547	7030456	961576	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,11	up
5638759	7030456	961565	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,10	up
6706833	7030456	961561	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,09	up
5879780	7030456	961557	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,08	up
5860405	7030456	961560	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,07	up
5770507	7030456	961573	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,06	up
5695740	7030456	961578	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,05	up
5726353	7030456	961564	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,04	up
6282738	7030456	961562	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,03	up
6502864	7030456	961583	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,03	down
6559139	7030456	961583	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,01	up
5679587	7030456	961570	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,01	down
5773590	7030456	961559	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,01	up
6161948	7030456	961568	nephrosis 1 homolog, nephrin (human)	Nphs1	64563	1,00	up
6364837	7196006	1365566	nestin	Nes	25491	2,18	up
6047145	7196006	1365569	nestin	Nes	25491	1,78	down
6312113	7196006	1365566	nestin	Nes	25491	1,75	up
5956734	7196006	1365569	nestin	Nes	25491	1,52	down
6377100	7196006	1365569	nestin	Nes	25491	1,41	up
6236365	7196006	1365569	nestin	Nes	25491	1,35	down
6330786	7196006	1365569	nestin	Nes	25491	1,22	down
6455124	7196006	1365570	nestin	Nes	25491	1,17	down
5663061	7196006	1365566	nestin	Nes	25491	1,17	down
6680307	7196006	1365567	nestin	Nes	25491	1,09	down
6365437	7196006	1365569	nestin	Nes	25491	1,07	up
6493758	7196006	1365569	nestin	Nes	25491	1,05	up
5779339	7196006	1365568	nestin	Nes	25491	1,04	up
5719420	7237346	1466578	netrin G2	Ntng2	311836	1,69	down
6416645	7237346	1466586	netrin G2	Ntng2	311836	1,60	up
6424430	7237346	1466582	netrin G2	Ntng2	311836	1,58	up
6231067	7237346	1466590	netrin G2	Ntng2	311836	1,43	down
6252197	7237346	1466579	netrin G2	Ntng2	311836	1,42	down
5627159	7237346	1466579	netrin G2	Ntng2	311836	1,27	up
5766476	7237346	1466576	netrin G2	Ntng2	311836	1,09	up
5768765	7237346	1466577	netrin G2	Ntng2	311836	1,05	down
5860200	7237346	1466576	netrin G2	Ntng2	311836	1,04	up
6086841	7237346	1466583	netrin G2	Ntng2	311836	1,01	down
6101469	7237346	1466590	netrin G2	Ntng2	311836	1,00	up
5674212	7237346	1466590	netrin G2	Ntng2	311836	1,00	up
5741766	7337872	1714427	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,68	up
5971717	7337872	1714451	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,46	down
5706696	7337872	1714462	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,35	down
6122982	7337872	1714454	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,32	up
6493995	7337872	1714461	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,31	up
5619101	7337872	1714440	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,31	down
6487822	7337872	1714445	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,28	down

5648182	7337872	1714459	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,25	up
6626151	7337872	1714432	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,22	down
6554683	7337872	1714438	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,17	down
6176253	7337872	1714452	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,15	down
5889503	7337872	1714441	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,13	up
6315423	7337872	1714429	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,13	up
5738020	7337872	1714449	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,13	down
6715796	7337872	1714444	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,13	down
5956049	7337872	1714460	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,12	down
5705193	7337872	1714442	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,10	up
6443541	7337872	1714456	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,10	down
6100123	7337872	1714428	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,09	up
6625501	7337872	1714455	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,09	down
5736592	7337872	1714441	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,08	down
6340032	7337872	1714463	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,06	down
6430425	7337872	1714442	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,06	up
6309577	7337872	1714457	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,05	down
6355821	7337872	1714427	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,05	down
5689306	7337872	1714450	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,05	down
5994402	7337872	1714431	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,04	up
5994146	7337872	1714463	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,04	down
5629630	7337872	1714442	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,04	up
6332679	7337872	1714453	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,04	up
5795409	7337872	1714439	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,03	down
6215210	7337872	1714448	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,02	up
6007038	7337872	1714435	neural precursor cell expressed, developmentally down-regulated gene 4	Neddd4	25489	1,02	up
6507558	7138220	1221616	neural retina leucine zipper	Nrl	290221	2,17	down
5683232	7138220	1221616	neural retina leucine zipper	Nrl	290221	1,06	down
6423508	7138220	1221618	neural retina leucine zipper	Nrl	290221	1,05	down
5918140	7138220	1221618	neural retina leucine zipper	Nrl	290221	1,03	up
6430161	7146425	1241892	neuregulin 1	Nrg1	112400	2,36	up
6490295	7146425	1241882	neuregulin 1	Nrg1	112400	2,19	down
5847150	7146425	1241892	neuregulin 1	Nrg1	112400	2,07	up
5654185	7146425	1241881	neuregulin 1	Nrg1	112400	1,76	down
6569919	7146425	1241893	neuregulin 1	Nrg1	112400	1,67	down
5937835	7146425	1241884	neuregulin 1	Nrg1	112400	1,48	down
6374875	7146425	1241899	neuregulin 1	Nrg1	112400	1,33	up
5922168	7146425	1241885	neuregulin 1	Nrg1	112400	1,20	up
5778471	7146425	1241898	neuregulin 1	Nrg1	112400	1,19	up
6391989	7146425	1241894	neuregulin 1	Nrg1	112400	1,18	up
6114786	7146425	1241896	neuregulin 1	Nrg1	112400	1,17	down
5803395	7146425	1241889	neuregulin 1	Nrg1	112400	1,15	down
6415971	7146425	1241898	neuregulin 1	Nrg1	112400	1,12	down
5972095	7146425	1241881	neuregulin 1	Nrg1	112400	1,07	down
5974229	7146425	1241897	neuregulin 1	Nrg1	112400	1,03	down
6309875	7146425	1241883	neuregulin 1	Nrg1	112400	1,03	down
6051471	7146425	1241890	neuregulin 1	Nrg1	112400	1,03	up
6199684	7146425	1241899	neuregulin 1	Nrg1	112400	1,02	down
6267329	7146425	1241895	neuregulin 1	Nrg1	112400	1,01	down
5884524	7146425	1241888	neuregulin 1	Nrg1	112400	1,01	down
5683863	7039308	983906	neurexin 2	Nrxn2	116595	2,27	down
6373502	7039308	983920	neurexin 2	Nrxn2	116595	2,13	up
6400400	7039308	983906	neurexin 2	Nrxn2	116595	1,86	down
5753281	7039308	983911	neurexin 2	Nrxn2	116595	1,61	up
5887349	7039308	983913	neurexin 2	Nrxn2	116595	1,59	up
6098082	7039308	983926	neurexin 2	Nrxn2	116595	1,57	down
5915146	7039308	983924	neurexin 2	Nrxn2	116595	1,39	down

5977815	7039308	983928	neurexin 2	Nrxn2	116595	1,37	up
5842951	7039308	983925	neurexin 2	Nrxn2	116595	1,35	down
6114478	7039308	983928	neurexin 2	Nrxn2	116595	1,30	up
6389200	7039308	983928	neurexin 2	Nrxn2	116595	1,27	down
6284522	7039308	983910	neurexin 2	Nrxn2	116595	1,15	up
5833435	7039308	983907	neurexin 2	Nrxn2	116595	1,13	up
6643495	7039308	983929	neurexin 2	Nrxn2	116595	1,12	down
5893049	7039308	983928	neurexin 2	Nrxn2	116595	1,09	down
6347817	7039308	983918	neurexin 2	Nrxn2	116595	1,08	down
5909568	7039308	983916	neurexin 2	Nrxn2	116595	1,07	up
6190897	7039308	983915	neurexin 2	Nrxn2	116595	1,07	up
6742992	7039308	983914	neurexin 2	Nrxn2	116595	1,06	down
6001471	7039308	983923	neurexin 2	Nrxn2	116595	1,03	up
6005125	7039308	983925	neurexin 2	Nrxn2	116595	1,03	up
5895829	7039308	983922	neurexin 2	Nrxn2	116595	1,02	up
6413816	7039308	983906	neurexin 2	Nrxn2	116595	1,02	down
6651694	7039308	983917	neurexin 2	Nrxn2	116595	1,01	down
6518974	7039308	983909	neurexin 2	Nrxn2	116595	1,01	down
5821209	7039308	983912	neurexin 2	Nrxn2	116595	1,01	up
5929515	7039308	983927	neurexin 2	Nrxn2	116595	1,01	up
5666098	7039308	983919	neurexin 2	Nrxn2	116595	1,00	down
6659659	7350237	1745525	neurobeachin-like 2	Nbeal2	316014	3,69	up
5899439	7350237	1745508	neurobeachin-like 2	Nbeal2	316014	2,14	up
6318566	7350237	1745525	neurobeachin-like 2	Nbeal2	316014	2,11	up
6226204	7350237	1745506	neurobeachin-like 2	Nbeal2	316014	1,87	up
5713625	7350237	1745515	neurobeachin-like 2	Nbeal2	316014	1,61	down
6363350	7350237	1745470	neurobeachin-like 2	Nbeal2	316014	1,57	up
6525995	7350237	1745521	neurobeachin-like 2	Nbeal2	316014	1,44	up
6249637	7350237	1745518	neurobeachin-like 2	Nbeal2	316014	1,41	down
6026793	7350237	1745508	neurobeachin-like 2	Nbeal2	316014	1,41	up
5735714	7350237	1745508	neurobeachin-like 2	Nbeal2	316014	1,41	down
6059649	7350237	1745510	neurobeachin-like 2	Nbeal2	316014	1,38	down
5759539	7350237	1745522	neurobeachin-like 2	Nbeal2	316014	1,36	up
6555888	7350237	1745525	neurobeachin-like 2	Nbeal2	316014	1,32	up
6657139	7350237	1745500	neurobeachin-like 2	Nbeal2	316014	1,26	down
6745495	7350237	1745519	neurobeachin-like 2	Nbeal2	316014	1,26	down
5650855	7350237	1745501	neurobeachin-like 2	Nbeal2	316014	1,22	down
6354583	7350237	1745517	neurobeachin-like 2	Nbeal2	316014	1,20	down
5995368	7350237	1745514	neurobeachin-like 2	Nbeal2	316014	1,16	down
5651495	7350237	1745513	neurobeachin-like 2	Nbeal2	316014	1,16	down
5871841	7350237	1745507	neurobeachin-like 2	Nbeal2	316014	1,10	down
5816434	7350237	1745501	neurobeachin-like 2	Nbeal2	316014	1,08	up
6217778	7350237	1745511	neurobeachin-like 2	Nbeal2	316014	1,07	down
6663364	7350237	1745509	neurobeachin-like 2	Nbeal2	316014	1,07	down
6434643	7350237	1745503	neurobeachin-like 2	Nbeal2	316014	1,06	down
6599189	7350237	1745520	neurobeachin-like 2	Nbeal2	316014	1,06	up
5620525	7350237	1745502	neurobeachin-like 2	Nbeal2	316014	1,05	up
5872857	7350237	1745499	neurobeachin-like 2	Nbeal2	316014	1,04	down
5884913	7350237	1745505	neurobeachin-like 2	Nbeal2	316014	1,04	down
6578679	7350237	1745504	neurobeachin-like 2	Nbeal2	316014	1,04	down
6500400	7350237	1745512	neurobeachin-like 2	Nbeal2	316014	1,03	up
5759784	7350237	1745502	neurobeachin-like 2	Nbeal2	316014	1,02	up
6613491	7350237	1745516	neurobeachin-like 2	Nbeal2	316014	1,00	down
6048660	7144354	1236686	neurocan	Ncan	58982	2,78	down
5774494	7144354	1236686	neurocan	Ncan	58982	1,83	up
5861065	7144354	1236692	neurocan	Ncan	58982	1,75	down
6361272	7144354	1236693	neurocan	Ncan	58982	1,63	up

6026246	7144354	1236685	neurocan	Ncan	58982	1,45	down
6632955	7144354	1236683	neurocan	Ncan	58982	1,37	up
6736001	7144354	1236693	neurocan	Ncan	58982	1,30	down
6093055	7144354	1236685	neurocan	Ncan	58982	1,28	down
6234283	7144354	1236688	neurocan	Ncan	58982	1,28	down
6281674	7144354	1236686	neurocan	Ncan	58982	1,24	down
6691893	7144354	1236694	neurocan	Ncan	58982	1,24	up
5910599	7144354	1236687	neurocan	Ncan	58982	1,23	up
6304069	7144354	1236684	neurocan	Ncan	58982	1,23	up
6073007	7144354	1236681	neurocan	Ncan	58982	1,21	down
6305152	7144354	1236682	neurocan	Ncan	58982	1,20	down
6221391	7144354	1236686	neurocan	Ncan	58982	1,18	up
6188723	7144354	1236686	neurocan	Ncan	58982	1,17	down
6118315	7144354	1236692	neurocan	Ncan	58982	1,10	down
6641118	7144354	1236686	neurocan	Ncan	58982	1,10	down
6285916	7144354	1236694	neurocan	Ncan	58982	1,10	down
5624594	7144354	1236685	neurocan	Ncan	58982	1,07	down
5838133	7144354	1236691	neurocan	Ncan	58982	1,07	down
6299637	7144354	1236686	neurocan	Ncan	58982	1,07	up
6513028	7144354	1236683	neurocan	Ncan	58982	1,07	down
6081148	7144354	1236689	neurocan	Ncan	58982	1,06	down
5672186	7144354	1236686	neurocan	Ncan	58982	1,05	up
6303760	7144354	1236680	neurocan	Ncan	58982	1,03	down
6742167	7144354	1236690	neurocan	Ncan	58982	1,01	down
6030032	7144354	1236679	neurocan	Ncan	58982	1,00	up
6194392	7127790	1195840	neurofilament, heavy polypeptide	Nefh	24587	3,37	up
6044690	7127790	1195836	neurofilament, heavy polypeptide	Nefh	24587	1,87	up
6297390	7127790	1195838	neurofilament, heavy polypeptide	Nefh	24587	1,53	down
5800738	7127790	1195839	neurofilament, heavy polypeptide	Nefh	24587	1,41	up
6153629	7127790	1195835	neurofilament, heavy polypeptide	Nefh	24587	1,29	up
6169805	7127790	1195835	neurofilament, heavy polypeptide	Nefh	24587	1,18	down
6740507	7127790	1195835	neurofilament, heavy polypeptide	Nefh	24587	1,09	down
6648925	7127790	1195837	neurofilament, heavy polypeptide	Nefh	24587	1,02	up
5891930	7127790	1195836	neurofilament, heavy polypeptide	Nefh	24587	1,00	down
6574241	7321746	1676233	neurogenic differentiation 4	Neurod4	288821	2,10	down
5767980	7321746	1676233	neurogenic differentiation 4	Neurod4	288821	2,00	down
6538285	7321746	1676233	neurogenic differentiation 4	Neurod4	288821	1,96	up
6667065	7321746	1676232	neurogenic differentiation 4	Neurod4	288821	1,57	down
5700847	7321746	1676234	neurogenic differentiation 4	Neurod4	288821	1,50	up
5997406	7321746	1676233	neurogenic differentiation 4	Neurod4	288821	1,33	down
5884186	7344200	1730665	neurogranin	Nrgn	64356	3,18	down
5940077	7344200	1730664	neurogranin	Nrgn	64356	1,70	up
5754267	7344200	1730664	neurogranin	Nrgn	64356	1,14	down
6678265	7344200	1730665	neurogranin	Nrgn	64356	1,11	up
6093968	7344200	1730663	neurogranin	Nrgn	64356	1,07	up
5797660	7344200	1730663	neurogranin	Nrgn	64356	1,01	up
6501527	7131805	1205913	neuroguidin, EIF4E binding protein	Ngdn	305887	2,23	up
5852251	7131805	1205912	neuroguidin, EIF4E binding protein	Ngdn	305887	1,53	up
5993645	7131805	1205910	neuroguidin, EIF4E binding protein	Ngdn	305887	1,53	up
6497508	7131805	1205917	neuroguidin, EIF4E binding protein	Ngdn	305887	1,32	up
6744150	7131805	1205916	neuroguidin, EIF4E binding protein	Ngdn	305887	1,30	down
6114613	7131805	1205918	neuroguidin, EIF4E binding protein	Ngdn	305887	1,22	down
6183669	7131805	1205911	neuroguidin, EIF4E binding protein	Ngdn	305887	1,16	up
5852286	7131805	1205913	neuroguidin, EIF4E binding protein	Ngdn	305887	1,13	up
6365255	7131805	1205906	neuroguidin, EIF4E binding protein	Ngdn	305887	1,10	down
6587773	7131805	1205915	neuroguidin, EIF4E binding protein	Ngdn	305887	1,06	up
6069179	7131805	1205909	neuroguidin, EIF4E binding protein	Ngdn	305887	1,03	down

5668317	7131805	1205914	neuroguidin, EIF4E binding protein	Ngdn	305887	1,02	up
5682099	7203364	1383462	neurolysin (metallopeptidase M3 family)	Nln	117041	2,26	down
6038044	7203364	1383455	neurolysin (metallopeptidase M3 family)	Nln	117041	1,89	up
5922520	7203364	1383457	neurolysin (metallopeptidase M3 family)	Nln	117041	1,73	down
6313033	7203364	1383458	neurolysin (metallopeptidase M3 family)	Nln	117041	1,41	up
5974291	7203364	1383461	neurolysin (metallopeptidase M3 family)	Nln	117041	1,40	down
5788268	7203364	1383462	neurolysin (metallopeptidase M3 family)	Nln	117041	1,31	down
5726550	7203364	1383456	neurolysin (metallopeptidase M3 family)	Nln	117041	1,20	up
6551616	7203364	1383452	neurolysin (metallopeptidase M3 family)	Nln	117041	1,18	up
5938242	7203364	1383454	neurolysin (metallopeptidase M3 family)	Nln	117041	1,17	down
6704564	7203364	1383453	neurolysin (metallopeptidase M3 family)	Nln	117041	1,11	down
6116142	7203364	1383451	neurolysin (metallopeptidase M3 family)	Nln	117041	1,07	down
6617148	7203364	1383460	neurolysin (metallopeptidase M3 family)	Nln	117041	1,04	down
6113110	7203364	1383459	neurolysin (metallopeptidase M3 family)	Nln	117041	1,01	up
6069020	7203364	1383463	neurolysin (metallopeptidase M3 family)	Nln	117041	1,00	down
5756287	7031774	964724	neuron navigator 2	Nav2	171563	1,91	up
5915771	7031774	964724	neuron navigator 2	Nav2	171563	1,76	up
6228146	7031774	964724	neuron navigator 2	Nav2	171563	1,56	up
6305953	7364948	1781225	neuronal guanine nucleotide exchange factor	Ngef	246217	2,37	down
6433308	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,84	down
6610007	7364948	1781209	neuronal guanine nucleotide exchange factor	Ngef	246217	1,64	up
6566085	7364948	1781216	neuronal guanine nucleotide exchange factor	Ngef	246217	1,45	up
6292634	7364948	1781221	neuronal guanine nucleotide exchange factor	Ngef	246217	1,40	up
5845481	7364948	1781206	neuronal guanine nucleotide exchange factor	Ngef	246217	1,39	up
6609621	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,39	down
5673974	7364948	1781221	neuronal guanine nucleotide exchange factor	Ngef	246217	1,15	down
6101674	7364948	1781213	neuronal guanine nucleotide exchange factor	Ngef	246217	1,13	down
5859724	7364948	1781218	neuronal guanine nucleotide exchange factor	Ngef	246217	1,12	down
6242944	7364948	1781212	neuronal guanine nucleotide exchange factor	Ngef	246217	1,12	up
6199974	7364948	1781210	neuronal guanine nucleotide exchange factor	Ngef	246217	1,11	down
5744954	7364948	1781220	neuronal guanine nucleotide exchange factor	Ngef	246217	1,11	up
5984633	7364948	1781211	neuronal guanine nucleotide exchange factor	Ngef	246217	1,10	up
6262831	7364948	1781208	neuronal guanine nucleotide exchange factor	Ngef	246217	1,08	up
5781426	7364948	1781223	neuronal guanine nucleotide exchange factor	Ngef	246217	1,07	up
5873523	7364948	1781221	neuronal guanine nucleotide exchange factor	Ngef	246217	1,04	up
6240738	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,03	down
6467571	7364948	1781205	neuronal guanine nucleotide exchange factor	Ngef	246217	1,03	down
5801553	7298101	1617050	neuronal PAS domain protein 3	Npas3	299016	1,23	down
5807250	7306229	1638265	neuro-oncological ventral antigen 1	Nova1	298992	1,36	up
6475056	7306229	1638246	neuro-oncological ventral antigen 1	Nova1	298992	1,23	up
6187856	7306229	1638246	neuro-oncological ventral antigen 1	Nova1	298992	1,13	up
5633323	7306229	1638262	neuro-oncological ventral antigen 1	Nova1	298992	1,12	down
6165514	7306229	1638252	neuro-oncological ventral antigen 1	Nova1	298992	1,10	down
6490223	7182255	1331278	neuropilin 1	Nrp1	246331	2,03	up
6606379	7182255	1331282	neuropilin 1	Nrp1	246331	1,96	down
5826522	7182255	1331274	neuropilin 1	Nrp1	246331	1,81	up
6621167	7182255	1331276	neuropilin 1	Nrp1	246331	1,70	up
6253449	7182255	1331280	neuropilin 1	Nrp1	246331	1,35	up
6590605	7182255	1331279	neuropilin 1	Nrp1	246331	1,30	up
6004935	7182255	1331285	neuropilin 1	Nrp1	246331	1,26	down
5703112	7182255	1331275	neuropilin 1	Nrp1	246331	1,24	down
6134348	7182255	1331272	neuropilin 1	Nrp1	246331	1,23	down
5695831	7182255	1331281	neuropilin 1	Nrp1	246331	1,22	up
6027269	7182255	1331273	neuropilin 1	Nrp1	246331	1,22	up
5942697	7182255	1331272	neuropilin 1	Nrp1	246331	1,19	down
5885957	7182255	1331280	neuropilin 1	Nrp1	246331	1,17	down
5945717	7182255	1331285	neuropilin 1	Nrp1	246331	1,16	down

6248968	7182255	1331272	neuropilin 1	Nrp1	246331	1,14	up
5785290	7182255	1331288	neuropilin 1	Nrp1	246331	1,13	down
5961865	7182255	1331272	neuropilin 1	Nrp1	246331	1,12	up
6260469	7182255	1331286	neuropilin 1	Nrp1	246331	1,12	down
5809136	7182255	1331280	neuropilin 1	Nrp1	246331	1,11	up
5787201	7182255	1331272	neuropilin 1	Nrp1	246331	1,07	up
6671527	7182255	1331284	neuropilin 1	Nrp1	246331	1,06	down
6114657	7182255	1331283	neuropilin 1	Nrp1	246331	1,06	down
6077621	7182255	1331287	neuropilin 1	Nrp1	246331	1,05	up
5642889	7182255	1331271	neuropilin 1	Nrp1	246331	1,04	up
6523691	7182255	1331285	neuropilin 1	Nrp1	246331	1,02	down
6734080	7182255	1331285	neuropilin 1	Nrp1	246331	1,01	down
6689106	7182255	1331277	neuropilin 1	Nrp1	246331	1,01	down
6624627	7343532	1728935	neurotrimin	Hnt	50864	3,55	up
6117753	7343532	1728930	neurotrimin	Hnt	50864	3,21	down
5704521	7343532	1728936	neurotrimin	Hnt	50864	2,39	up
5839759	7343532	1728937	neurotrimin	Hnt	50864	2,15	up
5768217	7343532	1728933	neurotrimin	Hnt	50864	2,00	down
6732385	7343532	1728932	neurotrimin	Hnt	50864	1,41	down
6149758	7343532	1728931	neurotrimin	Hnt	50864	1,34	down
6645692	7343532	1728934	neurotrimin	Hnt	50864	1,05	up
5863461	7161672	1279505	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	2,73	up
6260069	7161672	1279506	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	2,28	up
5829200	7161672	1279504	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	2,18	up
5711686	7161672	1279502	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	2,01	up
6267171	7161672	1279501	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,94	up
6338793	7161672	1279510	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,71	up
5846086	7161672	1279511	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,66	down
6090229	7161672	1279519	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,59	down
6721814	7161672	1279508	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,51	up
6355013	7161672	1279517	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,50	down
6287989	7161672	1279508	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,47	down
5869251	7161672	1279520	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,43	down
6243425	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,43	up
5850348	7161672	1279513	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,42	down
6464986	7161672	1279514	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,38	down
6211984	7161672	1279518	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,38	down
6434715	7161672	1279520	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,38	down
6444403	7161672	1279507	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,37	up
5678017	7161672	1279510	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,22	up
6144805	7161672	1279510	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,22	down
6633271	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,21	up
5645197	7161672	1279515	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,12	down
6344940	7161672	1279503	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,09	up
6467051	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,08	up
5621324	7161672	1279521	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,04	down
5863436	7161672	1279516	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,03	up
6212815	7161672	1279509	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,02	up
6116897	7161672	1279512	neurotrophic tyrosine kinase, receptor, type 2	Ntrk2	25054	1,01	down
6248362	7283429	1581211	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	2,28	down
6256059	7283429	1581212	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,86	down
5720427	7283429	1581220	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,59	up
5775309	7283429	1581206	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,56	up
6525917	7283429	1581233	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,28	down
5716714	7283429	1581216	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,27	down
6239308	7283429	1581229	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,27	down
6570102	7283429	1581210	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,21	down

6240000	7283429	1581231	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,21	up
6313960	7283429	1581221	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,20	up
5623499	7283429	1581209	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,19	down
6057854	7283429	1581223	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,18	down
6515753	7283429	1581215	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,18	up
6403988	7283429	1581207	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,17	up
6431060	7283429	1581218	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,17	up
5941594	7283429	1581214	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,16	up
6242339	7283429	1581210	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,16	up
6164176	7283429	1581222	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,14	up
6341931	7283429	1581217	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,11	down
6220966	7283429	1581234	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,10	up
6268947	7283429	1581208	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,07	down
6335563	7283429	1581228	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,07	up
6168294	7283429	1581205	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,06	up
5991529	7283429	1581226	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,06	up
5911749	7283429	1581213	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,06	down
5867968	7283429	1581230	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,03	down
6596159	7283429	1581224	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,03	up
6090791	7283429	1581227	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,02	up
6730165	7283429	1581225	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,02	up
6485692	7283429	1581232	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,01	up
5886071	7283429	1581226	neutral sphingomyelinase (N-SMase) activation associated factor	Nsmaf	353233	1,00	down
5621586	7330181	1695706	NFAT activating protein with ITAM motif 1	Nfam1	362966	2,73	down
6744163	7330181	1695706	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,25	up
6418123	7330181	1695703	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,16	up
6150081	7330181	1695705	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,06	up
6244553	7330181	1695697	NFAT activating protein with ITAM motif 1	Nfam1	362966	1,00	down
6154399	7273022	1555424	nibrin	Nbn	85482	2,52	up
6681304	7273022	1555422	nibrin	Nbn	85482	1,50	down
6615817	7273022	1555416	nibrin	Nbn	85482	1,44	up
6479668	7273022	1555428	nibrin	Nbn	85482	1,43	up
5829857	7273022	1555426	nibrin	Nbn	85482	1,24	up
5755466	7273022	1555414	nibrin	Nbn	85482	1,24	up
6300153	7273022	1555425	nibrin	Nbn	85482	1,23	down
6554762	7273022	1555427	nibrin	Nbn	85482	1,21	down
5762658	7273022	1555429	nibrin	Nbn	85482	1,20	down
5684394	7273022	1555429	nibrin	Nbn	85482	1,18	down
5827214	7273022	1555413	nibrin	Nbn	85482	1,18	down
5665202	7273022	1555429	nibrin	Nbn	85482	1,17	down
6547220	7273022	1555421	nibrin	Nbn	85482	1,10	up
6217964	7273022	1555418	nibrin	Nbn	85482	1,09	down
6340735	7273022	1555415	nibrin	Nbn	85482	1,08	down
6088238	7273022	1555419	nibrin	Nbn	85482	1,05	down
6612081	7273022	1555422	nibrin	Nbn	85482	1,05	up
6735257	7273022	1555420	nibrin	Nbn	85482	1,03	up
5934876	7273022	1555423	nibrin	Nbn	85482	1,03	up
6694383	7273022	1555417	nibrin	Nbn	85482	1,02	down
6075100	7114149	1162537	nicastrin	Ncstn	289231	2,78	up
6113387	7114149	1162539	nicastrin	Ncstn	289231	2,22	up
6267750	7114149	1162521	nicastrin	Ncstn	289231	1,49	up
6025543	7114149	1162532	nicastrin	Ncstn	289231	1,30	down
6078723	7114149	1162538	nicastrin	Ncstn	289231	1,20	down
6458065	7114149	1162534	nicastrin	Ncstn	289231	1,18	up
6511010	7114149	1162527	nicastrin	Ncstn	289231	1,16	down
6441554	7114149	1162539	nicastrin	Ncstn	289231	1,16	down
5627250	7114149	1162535	nicastrin	Ncstn	289231	1,14	down

5999460	7114149	1162536	nicastrin	Ncstn	289231	1,14	up
5765182	7114149	1162526	nicastrin	Ncstn	289231	1,12	up
6376266	7114149	1162523	nicastrin	Ncstn	289231	1,12	down
6193214	7114149	1162533	nicastrin	Ncstn	289231	1,11	up
5992365	7114149	1162536	nicastrin	Ncstn	289231	1,09	up
6219691	7114149	1162524	nicastrin	Ncstn	289231	1,07	up
5992458	7114149	1162522	nicastrin	Ncstn	289231	1,05	up
6391342	7114149	1162521	nicastrin	Ncstn	289231	1,04	down
6138012	7114149	1162531	nicastrin	Ncstn	289231	1,03	up
6658752	7114149	1162530	nicastrin	Ncstn	289231	1,03	up
6683551	7114149	1162524	nicastrin	Ncstn	289231	1,02	up
5969722	7114149	1162529	nicastrin	Ncstn	289231	1,01	down
6101367	7114149	1162525	nicastrin	Ncstn	289231	1,00	up
6056433	7114149	1162528	nicastrin	Ncstn	289231	1,00	down
5995047	7329027	1693293	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	2,43	up
5667549	7329027	1693292	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,92	up
6468393	7329027	1693299	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,85	up
6129604	7329027	1693299	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,53	down
6707397	7329027	1693301	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,36	up
6538683	7329027	1693302	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,34	down
5902277	7329027	1693289	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,28	down
6247267	7329027	1693298	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,24	down
6077377	7329027	1693295	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,24	down
5755551	7329027	1693302	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,21	down
6107747	7329027	1693296	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,15	up
6067817	7329027	1693290	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,15	up
6692707	7329027	1693297	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,09	up
6656570	7329027	1693291	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,07	down
6052770	7329027	1693294	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,07	up
6562359	7329027	1693301	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,05	up
5652310	7329027	1693300	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,05	up
6374387	7329027	1693298	nicotinate phosphoribosyltransferase domain containing 1	Naprt1	315085	1,03	down
5840981	7354896	1756999	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,40	up
5828612	7354896	1756997	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,38	up
6158695	7354896	1756995	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,25	up
5885714	7354896	1757003	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,24	up
6142149	7354896	1756996	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,15	up
6336784	7354896	1757003	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,12	up
5648682	7354896	1756996	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,10	up
6349558	7354896	1757001	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,05	up
5825088	7354896	1756996	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,03	up
6118289	7354896	1756998	NIF3 NGG1 interacting factor 3-like 1 (S. pombe)	Nif311	301431	1,03	up
5629095	7349643	1744172	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	2,04	down
6111666	7349643	1744167	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,87	down
6166137	7349643	1744183	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,81	down
6313330	7349643	1744173	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,79	down
6024355	7349643	1744194	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,75	down
6533593	7349643	1744191	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,70	down
5728952	7349643	1744179	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,68	down
6631845	7349643	1744164	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,64	down
6300847	7349643	1744155	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,55	down
5925157	7349643	1744155	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,54	up
6163319	7349643	1744171	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,44	down
6131103	7349643	1744169	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,32	up
6471335	7349643	1744175	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,23	up
6645941	7349643	1744168	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,10	up
5713276	7349643	1744183	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,08	up

6640378	7349643	1744155	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,06	up
6338480	7349643	1744193	NIMA (never in mitosis gene a)- related kinase 11	Nek11	315978	1,03	down
5957275	7246548	1489166	ninein-like	Nlp	311529	2,18	down
6000205	7246548	1489164	ninein-like	Nlp	311529	1,81	up
5881311	7246548	1489160	ninein-like	Nlp	311529	1,77	down
5923938	7246548	1489165	ninein-like	Nlp	311529	1,66	up
6702024	7246548	1489146	ninein-like	Nlp	311529	1,51	down
6169090	7246548	1489160	ninein-like	Nlp	311529	1,50	up
6386995	7246548	1489154	ninein-like	Nlp	311529	1,45	down
6425414	7246548	1489163	ninein-like	Nlp	311529	1,38	down
5818018	7246548	1489137	ninein-like	Nlp	311529	1,31	down
6514724	7246548	1489152	ninein-like	Nlp	311529	1,26	up
6139314	7246548	1489136	ninein-like	Nlp	311529	1,26	down
5655681	7246548	1489155	ninein-like	Nlp	311529	1,23	up
5811562	7246548	1489159	ninein-like	Nlp	311529	1,18	up
6426970	7246548	1489162	ninein-like	Nlp	311529	1,17	up
6185473	7246548	1489147	ninein-like	Nlp	311529	1,15	down
5648251	7246548	1489156	ninein-like	Nlp	311529	1,15	down
6008010	7246548	1489169	ninein-like	Nlp	311529	1,13	down
6618471	7246548	1489145	ninein-like	Nlp	311529	1,13	up
6718983	7246548	1489136	ninein-like	Nlp	311529	1,11	up
6723728	7246548	1489151	ninein-like	Nlp	311529	1,09	down
6702962	7246548	1489137	ninein-like	Nlp	311529	1,07	down
6257042	7246548	1489141	ninein-like	Nlp	311529	1,04	down
6174020	7246548	1489136	ninein-like	Nlp	311529	1,04	up
5801489	7246548	1489150	ninein-like	Nlp	311529	1,03	up
5956708	7246548	1489139	ninein-like	Nlp	311529	1,03	up
6512301	7246548	1489142	ninein-like	Nlp	311529	1,03	down
6246759	7246548	1489143	ninein-like	Nlp	311529	1,02	up
6675716	7246548	1489140	ninein-like	Nlp	311529	1,02	up
6141294	7246548	1489149	ninein-like	Nlp	311529	1,01	up
6316341	7246548	1489138	ninein-like	Nlp	311529	1,01	up
5818146	7069999	1056024	nitric oxide synthase 2, inducible	Nos2	24599	8,48	down
6169334	7069999	1056028	nitric oxide synthase 2, inducible	Nos2	24599	5,71	down
5810222	7069999	1056023	nitric oxide synthase 2, inducible	Nos2	24599	3,18	up
5952010	7069999	1056011	nitric oxide synthase 2, inducible	Nos2	24599	3,05	up
6644809	7069999	1056016	nitric oxide synthase 2, inducible	Nos2	24599	2,13	up
5883984	7069999	1056008	nitric oxide synthase 2, inducible	Nos2	24599	2,09	down
5693047	7069999	1056020	nitric oxide synthase 2, inducible	Nos2	24599	1,84	down
6215948	7069999	1056009	nitric oxide synthase 2, inducible	Nos2	24599	1,83	down
6480842	7069999	1056026	nitric oxide synthase 2, inducible	Nos2	24599	1,81	up
5730360	7069999	1056002	nitric oxide synthase 2, inducible	Nos2	24599	1,76	down
6502156	7069999	1056006	nitric oxide synthase 2, inducible	Nos2	24599	1,69	down
5664760	7069999	1056012	nitric oxide synthase 2, inducible	Nos2	24599	1,61	down
5758064	7069999	1056001	nitric oxide synthase 2, inducible	Nos2	24599	1,59	up
6407461	7069999	1056005	nitric oxide synthase 2, inducible	Nos2	24599	1,56	down
6730318	7069999	1056018	nitric oxide synthase 2, inducible	Nos2	24599	1,46	up
6019263	7069999	1056015	nitric oxide synthase 2, inducible	Nos2	24599	1,36	down
5683180	7069999	1056004	nitric oxide synthase 2, inducible	Nos2	24599	1,34	down
6639973	7069999	1056025	nitric oxide synthase 2, inducible	Nos2	24599	1,34	down
6663617	7069999	1056021	nitric oxide synthase 2, inducible	Nos2	24599	1,31	down
5897082	7069999	1056014	nitric oxide synthase 2, inducible	Nos2	24599	1,29	down
6131270	7069999	1056007	nitric oxide synthase 2, inducible	Nos2	24599	1,27	up
6239444	7069999	1056013	nitric oxide synthase 2, inducible	Nos2	24599	1,24	up
6179967	7069999	1056027	nitric oxide synthase 2, inducible	Nos2	24599	1,20	up
6499390	7069999	1056008	nitric oxide synthase 2, inducible	Nos2	24599	1,16	down
6207601	7069999	1056010	nitric oxide synthase 2, inducible	Nos2	24599	1,15	up

5917327	7069999	1056017	nitric oxide synthase 2, inducible	Nos2	24599	1,13	up
6070066	7069999	1056019	nitric oxide synthase 2, inducible	Nos2	24599	1,11	up
5877268	7069999	1056002	nitric oxide synthase 2, inducible	Nos2	24599	1,09	down
5924664	7069999	1056003	nitric oxide synthase 2, inducible	Nos2	24599	1,04	down
6436308	7069999	1056022	nitric oxide synthase 2, inducible	Nos2	24599	1,02	up
6260981	7260541	1524055	nitric oxide synthase 3, endothelial cell	Nos3	24600	2,59	up
6119663	7260541	1524073	nitric oxide synthase 3, endothelial cell	Nos3	24600	2,04	up
6369996	7260541	1524060	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,53	up
5990812	7260541	1524057	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,46	down
6566242	7260541	1524056	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,39	down
6521928	7260541	1524067	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,34	up
6490921	7260541	1524059	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,34	down
6094937	7260541	1524070	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,33	up
6547826	7260541	1524076	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,32	down
5845427	7260541	1524056	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,31	down
5945701	7260541	1524070	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,24	up
5655546	7260541	1524071	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,21	up
6475692	7260541	1524065	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,10	up
6108616	7260541	1524061	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,09	down
5919757	7260541	1524069	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,09	up
6463828	7260541	1524052	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,08	up
6461147	7260541	1524075	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,08	up
6151651	7260541	1524050	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,07	down
5919656	7260541	1524053	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,06	down
6702350	7260541	1524054	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,05	down
6266456	7260541	1524063	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,05	up
6092759	7260541	1524055	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,04	down
5777081	7260541	1524051	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,04	up
6218683	7260541	1524058	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,04	down
6534172	7260541	1524062	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,03	down
6286688	7260541	1524066	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,03	down
5956500	7260541	1524074	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,03	down
6413779	7260541	1524049	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,03	up
5657692	7260541	1524072	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,02	down
6044471	7260541	1524068	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,01	up
6160094	7260541	1524064	nitric oxide synthase 3, endothelial cell	Nos3	24600	1,00	down
6123673	7228390	1443501	nitric oxide synthase trafficker	Nostrin	311111	3,34	down
5671464	7228390	1443504	nitric oxide synthase trafficker	Nostrin	311111	1,38	up
6009453	7228390	1443515	nitric oxide synthase trafficker	Nostrin	311111	1,31	down
6458865	7228390	1443512	nitric oxide synthase trafficker	Nostrin	311111	1,19	up
6137721	7228390	1443513	nitric oxide synthase trafficker	Nostrin	311111	1,15	up
6459491	7228390	1443511	nitric oxide synthase trafficker	Nostrin	311111	1,14	up
5618060	7228390	1443505	nitric oxide synthase trafficker	Nostrin	311111	1,14	up
6174763	7228390	1443506	nitric oxide synthase trafficker	Nostrin	311111	1,10	down
6106644	7228390	1443502	nitric oxide synthase trafficker	Nostrin	311111	1,08	up
6603536	7228390	1443508	nitric oxide synthase trafficker	Nostrin	311111	1,08	up
6641234	7228390	1443509	nitric oxide synthase trafficker	Nostrin	311111	1,07	up
5845633	7228390	1443516	nitric oxide synthase trafficker	Nostrin	311111	1,05	down
6383977	7228390	1443514	nitric oxide synthase trafficker	Nostrin	311111	1,03	down
5944347	7228390	1443510	nitric oxide synthase trafficker	Nostrin	311111	1,02	down
6165293	7228390	1443502	nitric oxide synthase trafficker	Nostrin	311111	1,02	up
6394758	7228390	1443507	nitric oxide synthase trafficker	Nostrin	311111	1,01	down
6641520	7228390	1443503	nitric oxide synthase trafficker	Nostrin	311111	1,01	down
5809068	7228390	1443504	nitric oxide synthase trafficker	Nostrin	311111	1,01	up
5821791	7087500	1096726	nitrilase family, member 2	Nit2	288174	1,50	up
6705873	7087500	1096722	nitrilase family, member 2	Nit2	288174	1,38	down
6202342	7087500	1096728	nitrilase family, member 2	Nit2	288174	1,36	down

5790080	7087500	1096726	nitrilase family, member 2	Nit2	288174	1,35	down
6636519	7087500	1096726	nitrilase family, member 2	Nit2	288174	1,32	down
5731494	7087500	1096729	nitrilase family, member 2	Nit2	288174	1,23	down
6185983	7087500	1096729	nitrilase family, member 2	Nit2	288174	1,17	down
6641792	7087500	1096727	nitrilase family, member 2	Nit2	288174	1,11	up
5876504	7087500	1096724	nitrilase family, member 2	Nit2	288174	1,06	down
6661227	7087500	1096721	nitrilase family, member 2	Nit2	288174	1,03	down
6616769	7087500	1096723	nitrilase family, member 2	Nit2	288174	1,02	up
5768018	7087500	1096720	nitrilase family, member 2	Nit2	288174	1,01	down
6118633	7116374	1168272	NK6 homeobox 1	Nkx6-1	65193	3,44	down
6495793	7116374	1168272	NK6 homeobox 1	Nkx6-1	65193	1,37	up
6124040	7116374	1168275	NK6 homeobox 1	Nkx6-1	65193	1,28	down
6279934	7116374	1168271	NK6 homeobox 1	Nkx6-1	65193	1,26	down
5687476	7116374	1168270	NK6 homeobox 1	Nkx6-1	65193	1,13	up
5712923	7116374	1168270	NK6 homeobox 1	Nkx6-1	65193	1,12	down
5906139	7116374	1168273	NK6 homeobox 1	Nkx6-1	65193	1,07	down
5681806	7116374	1168274	NK6 homeobox 1	Nkx6-1	65193	1,03	down
6616772	7193914	1360429	NMDA receptor regulated 1	Narg1	310399	2,70	down
5798228	7193914	1360425	NMDA receptor regulated 1	Narg1	310399	1,91	down
6090610	7193914	1360444	NMDA receptor regulated 1	Narg1	310399	1,70	down
6742249	7193914	1360439	NMDA receptor regulated 1	Narg1	310399	1,69	down
5692503	7193914	1360423	NMDA receptor regulated 1	Narg1	310399	1,51	down
5779282	7193914	1360423	NMDA receptor regulated 1	Narg1	310399	1,47	down
6526979	7193914	1360427	NMDA receptor regulated 1	Narg1	310399	1,37	up
6036067	7193914	1360443	NMDA receptor regulated 1	Narg1	310399	1,36	up
6206140	7193914	1360434	NMDA receptor regulated 1	Narg1	310399	1,35	up
6212005	7193914	1360429	NMDA receptor regulated 1	Narg1	310399	1,34	up
6041420	7193914	1360444	NMDA receptor regulated 1	Narg1	310399	1,33	up
5642342	7193914	1360439	NMDA receptor regulated 1	Narg1	310399	1,28	down
5679935	7193914	1360435	NMDA receptor regulated 1	Narg1	310399	1,20	up
5919531	7193914	1360426	NMDA receptor regulated 1	Narg1	310399	1,18	up
6082534	7193914	1360442	NMDA receptor regulated 1	Narg1	310399	1,16	down
6571249	7193914	1360430	NMDA receptor regulated 1	Narg1	310399	1,16	up
6664443	7193914	1360444	NMDA receptor regulated 1	Narg1	310399	1,14	down
6306764	7193914	1360426	NMDA receptor regulated 1	Narg1	310399	1,11	down
5919464	7193914	1360432	NMDA receptor regulated 1	Narg1	310399	1,10	up
5691693	7193914	1360437	NMDA receptor regulated 1	Narg1	310399	1,09	up
6124090	7193914	1360433	NMDA receptor regulated 1	Narg1	310399	1,08	down
5838380	7193914	1360441	NMDA receptor regulated 1	Narg1	310399	1,08	up
5927213	7193914	1360427	NMDA receptor regulated 1	Narg1	310399	1,08	up
5766775	7193914	1360431	NMDA receptor regulated 1	Narg1	310399	1,03	down
6692587	7193914	1360436	NMDA receptor regulated 1	Narg1	310399	1,02	up
6575636	7193914	1360440	NMDA receptor regulated 1	Narg1	310399	1,01	down
5913135	7193914	1360428	NMDA receptor regulated 1	Narg1	310399	1,01	up
6648835	7167160	1292198	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	2,13	down
6160689	7167160	1292203	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,78	up
6094430	7167160	1292212	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,71	up
6013237	7167160	1292218	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,60	up
5647048	7167160	1292214	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,44	down
5830440	7167160	1292217	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,38	up
6430126	7167160	1292218	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,33	down
6572681	7167160	1292198	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,28	down
6308416	7167160	1292218	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,26	up
6131068	7167160	1292199	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,18	down
6296594	7167160	1292206	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,17	up
6688283	7167160	1292209	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,12	up
5738185	7167160	1292209	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,07	down

5699798	7167160	1292201	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,07	up
6370066	7167160	1292197	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,06	down
6096406	7167160	1292211	NOL1/NOP2/Sun domain family, member 6	Nsun6	307148	1,05	up
6526290	7317318	1665796	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,62	up
6615104	7317318	1665841	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,56	down
6110820	7317318	1665812	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,32	up
5979513	7317318	1665838	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,24	up
5923718	7317318	1665837	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,12	down
5958345	7317318	1665799	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,07	up
5843983	7317318	1665840	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,06	down
6461281	7317318	1665804	non-SMC element 2, MMS21 homolog (S. cerevisiae)	Nsmce2	299957	1,03	up
6193518	7197253	1368314	Notch homolog 2 (Drosophila)	Notch2	29492	4,21	down
6190403	7197253	1368326	Notch homolog 2 (Drosophila)	Notch2	29492	2,66	up
6588966	7197253	1368315	Notch homolog 2 (Drosophila)	Notch2	29492	2,53	up
6702759	7197253	1368331	Notch homolog 2 (Drosophila)	Notch2	29492	2,34	down
5948332	7197253	1368338	Notch homolog 2 (Drosophila)	Notch2	29492	2,18	down
5679724	7197253	1368319	Notch homolog 2 (Drosophila)	Notch2	29492	2,00	up
6238091	7197253	1368344	Notch homolog 2 (Drosophila)	Notch2	29492	1,76	down
5805793	7197253	1368327	Notch homolog 2 (Drosophila)	Notch2	29492	1,73	up
6719724	7197253	1368343	Notch homolog 2 (Drosophila)	Notch2	29492	1,71	up
5725806	7197253	1368333	Notch homolog 2 (Drosophila)	Notch2	29492	1,61	down
6528349	7197253	1368331	Notch homolog 2 (Drosophila)	Notch2	29492	1,52	down
6363888	7197253	1368316	Notch homolog 2 (Drosophila)	Notch2	29492	1,52	up
5825737	7197253	1368335	Notch homolog 2 (Drosophila)	Notch2	29492	1,47	down
6666058	7197253	1368340	Notch homolog 2 (Drosophila)	Notch2	29492	1,41	down
6319951	7197253	1368329	Notch homolog 2 (Drosophila)	Notch2	29492	1,40	up
5671114	7197253	1368339	Notch homolog 2 (Drosophila)	Notch2	29492	1,37	down
6314797	7197253	1368337	Notch homolog 2 (Drosophila)	Notch2	29492	1,32	down
6132046	7197253	1368342	Notch homolog 2 (Drosophila)	Notch2	29492	1,32	up
6424370	7197253	1368346	Notch homolog 2 (Drosophila)	Notch2	29492	1,31	down
6599121	7197253	1368322	Notch homolog 2 (Drosophila)	Notch2	29492	1,31	up
6184209	7197253	1368334	Notch homolog 2 (Drosophila)	Notch2	29492	1,25	up
6623545	7197253	1368330	Notch homolog 2 (Drosophila)	Notch2	29492	1,23	up
5988307	7197253	1368328	Notch homolog 2 (Drosophila)	Notch2	29492	1,21	down
5667368	7197253	1368325	Notch homolog 2 (Drosophila)	Notch2	29492	1,19	down
6266753	7197253	1368318	Notch homolog 2 (Drosophila)	Notch2	29492	1,18	down
6113621	7197253	1368323	Notch homolog 2 (Drosophila)	Notch2	29492	1,13	up
5763010	7197253	1368341	Notch homolog 2 (Drosophila)	Notch2	29492	1,10	up
6743761	7197253	1368332	Notch homolog 2 (Drosophila)	Notch2	29492	1,08	down
6213029	7197253	1368347	Notch homolog 2 (Drosophila)	Notch2	29492	1,07	up
6125194	7197253	1368321	Notch homolog 2 (Drosophila)	Notch2	29492	1,05	down
6153490	7197253	1368336	Notch homolog 2 (Drosophila)	Notch2	29492	1,05	down
6541065	7197253	1368324	Notch homolog 2 (Drosophila)	Notch2	29492	1,05	down
6672910	7197253	1368345	Notch homolog 2 (Drosophila)	Notch2	29492	1,04	up
6191710	7197253	1368320	Notch homolog 2 (Drosophila)	Notch2	29492	1,04	down
5620983	7197253	1368317	Notch homolog 2 (Drosophila)	Notch2	29492	1,03	down
5944273	7220810	1424856	Notch homolog 4 (Drosophila)	Notch4	406162	2,02	down
6296603	7220810	1424856	Notch homolog 4 (Drosophila)	Notch4	406162	1,81	down
5986904	7220810	1424858	Notch homolog 4 (Drosophila)	Notch4	406162	1,57	up
6465854	7220810	1424871	Notch homolog 4 (Drosophila)	Notch4	406162	1,53	up
6039503	7220810	1424885	Notch homolog 4 (Drosophila)	Notch4	406162	1,51	up
6550125	7220810	1424872	Notch homolog 4 (Drosophila)	Notch4	406162	1,48	up
6454827	7220810	1424884	Notch homolog 4 (Drosophila)	Notch4	406162	1,46	up
6182801	7220810	1424861	Notch homolog 4 (Drosophila)	Notch4	406162	1,46	up
6598036	7220810	1424875	Notch homolog 4 (Drosophila)	Notch4	406162	1,44	down
6658242	7220810	1424876	Notch homolog 4 (Drosophila)	Notch4	406162	1,41	up
5899310	7220810	1424877	Notch homolog 4 (Drosophila)	Notch4	406162	1,39	up

5779305	7220810	1424865	Notch homolog 4 (Drosophila)	Notch4	406162	1,34	up
5634958	7220810	1424878	Notch homolog 4 (Drosophila)	Notch4	406162	1,33	down
5973660	7220810	1424881	Notch homolog 4 (Drosophila)	Notch4	406162	1,24	up
5886320	7220810	1424880	Notch homolog 4 (Drosophila)	Notch4	406162	1,21	down
6070743	7220810	1424883	Notch homolog 4 (Drosophila)	Notch4	406162	1,18	up
6742820	7220810	1424859	Notch homolog 4 (Drosophila)	Notch4	406162	1,16	down
6480482	7220810	1424869	Notch homolog 4 (Drosophila)	Notch4	406162	1,13	up
6542977	7220810	1424869	Notch homolog 4 (Drosophila)	Notch4	406162	1,12	down
5634871	7220810	1424860	Notch homolog 4 (Drosophila)	Notch4	406162	1,12	down
6301718	7220810	1424882	Notch homolog 4 (Drosophila)	Notch4	406162	1,12	up
6121031	7220810	1424874	Notch homolog 4 (Drosophila)	Notch4	406162	1,12	down
6318289	7220810	1424867	Notch homolog 4 (Drosophila)	Notch4	406162	1,10	up
6156558	7220810	1424865	Notch homolog 4 (Drosophila)	Notch4	406162	1,10	up
6356213	7220810	1424857	Notch homolog 4 (Drosophila)	Notch4	406162	1,10	up
6559739	7220810	1424862	Notch homolog 4 (Drosophila)	Notch4	406162	1,10	up
6647682	7220810	1424879	Notch homolog 4 (Drosophila)	Notch4	406162	1,10	down
6408536	7220810	1424865	Notch homolog 4 (Drosophila)	Notch4	406162	1,09	up
5833792	7220810	1424866	Notch homolog 4 (Drosophila)	Notch4	406162	1,08	up
5663538	7220810	1424870	Notch homolog 4 (Drosophila)	Notch4	406162	1,08	up
6656367	7220810	1424885	Notch homolog 4 (Drosophila)	Notch4	406162	1,07	up
6683202	7220810	1424873	Notch homolog 4 (Drosophila)	Notch4	406162	1,06	down
6725970	7220810	1424864	Notch homolog 4 (Drosophila)	Notch4	406162	1,05	down
6026319	7220810	1424863	Notch homolog 4 (Drosophila)	Notch4	406162	1,05	down
5883543	7220810	1424882	Notch homolog 4 (Drosophila)	Notch4	406162	1,04	down
6480636	7220810	1424873	Notch homolog 4 (Drosophila)	Notch4	406162	1,03	down
5754676	7220810	1424862	Notch homolog 4 (Drosophila)	Notch4	406162	1,03	up
5735756	7220810	1424868	Notch homolog 4 (Drosophila)	Notch4	406162	1,00	down
5989577	7233853	1458005	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	2,61	down
5960447	7233853	1458006	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,54	up
6522568	7233853	1458009	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,24	down
6653933	7233853	1458008	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,18	down
6248090	7233853	1458014	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,09	down
6227615	7233853	1458012	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,09	up
5761977	7233853	1458005	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,07	up
6197882	7233853	1458010	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,06	down
5938598	7233853	1458005	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,05	up
6597991	7233853	1458013	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,03	down
5991486	7233853	1458011	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,02	down
6712529	7233853	1458007	NSFL1 (p97) cofactor (p47)	Nsfl1c	83809	1,01	up
6192295	7064557	1042552	N-terminal asparagine amidase	Ntan1	360462	2,12	down
6613434	7064557	1042549	N-terminal asparagine amidase	Ntan1	360462	1,80	down
6453065	7064557	1042550	N-terminal asparagine amidase	Ntan1	360462	1,49	up
5848416	7064557	1042548	N-terminal asparagine amidase	Ntan1	360462	1,45	up
6341234	7064557	1042551	N-terminal asparagine amidase	Ntan1	360462	1,37	down
6332535	7064557	1042556	N-terminal asparagine amidase	Ntan1	360462	1,20	up
5819938	7064557	1042557	N-terminal asparagine amidase	Ntan1	360462	1,12	up
5883368	7064557	1042554	N-terminal asparagine amidase	Ntan1	360462	1,08	down
6043867	7064557	1042553	N-terminal asparagine amidase	Ntan1	360462	1,06	down
5818731	7064557	1042555	N-terminal asparagine amidase	Ntan1	360462	1,00	down
6526060	7064557	1042555	N-terminal asparagine amidase	Ntan1	360462	1,00	up
6042662	7313222	1654912	NUAK family, SNF1-like kinase, 1	Nuak1	299694	2,04	down
6351376	7313222	1654917	NUAK family, SNF1-like kinase, 1	Nuak1	299694	1,80	up
6697042	7313222	1654906	NUAK family, SNF1-like kinase, 1	Nuak1	299694	1,59	down
5812542	7313222	1654906	NUAK family, SNF1-like kinase, 1	Nuak1	299694	1,34	down
6411248	7313222	1654906	NUAK family, SNF1-like kinase, 1	Nuak1	299694	1,07	up
6071631	7179785	1324496	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	2,80	up
6265223	7179785	1324447	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	2,70	down

6618462	7179785	1324488	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	2,31	up
6294993	7179785	1324486	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,85	up
6709887	7179785	1324492	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,69	up
6181866	7179785	1324489	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,61	up
5904981	7179785	1324462	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,40	up
6500614	7179785	1324487	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,29	up
6604005	7179785	1324498	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,21	down
6577658	7179785	1324447	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,07	down
6716496	7179785	1324491	nuclear factor I/X (CCAAT-binding transcription factor)	Nfix	81524	1,02	down
6241776	7132020	1206315	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	2,88	down
6723353	7132020	1206305	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	2,55	up
6415092	7132020	1206312	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	2,53	up
6402953	7132020	1206305	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,80	down
5724959	7132020	1206310	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,58	up
5759157	7132020	1206315	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,52	down
6046788	7132020	1206307	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,39	up
6501413	7132020	1206307	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,29	down
6506139	7132020	1206313	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,25	down
6284040	7132020	1206311	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,14	up
5898759	7132020	1206314	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,12	up
6419161	7132020	1206309	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,10	down
6009350	7132020	1206315	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,06	up
6635060	7132020	1206307	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,04	down
6519923	7132020	1206308	nuclear factor of activated T-cells, cytoplasmic, calcineurin-dependent 4	Nfatc4	305897	1,01	down
6661295	7214605	1409351	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	2,55	up
5906117	7214605	1409351	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,71	up
6465679	7214605	1409361	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,69	up
5619706	7214605	1409357	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,55	up
6683751	7214605	1409353	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,49	up
6724975	7214605	1409355	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,48	up
5671374	7214605	1409362	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,42	down
6039362	7214605	1409360	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,31	up
6222253	7214605	1409358	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,24	down
5644871	7214605	1409354	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,24	up
6051303	7214605	1409363	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,21	up
6486798	7214605	1409352	nuclear factor of kappa light polypeptide gene enhancer in B-cells 1	Nfkb1	81736	1,14	up
6505225	7042559	991722	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	4,79	down
5922737	7042559	991719	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,94	down
6130506	7042559	991705	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,93	up
5684871	7042559	991711	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,74	down
6645463	7042559	991712	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,63	down
6581337	7042559	991710	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,58	down
6063623	7042559	991721	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,50	down
5916136	7042559	991714	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,45	down
6258109	7042559	991717	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,43	up
6649603	7042559	991706	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,41	up
6271070	7042559	991703	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,39	up
6090148	7042559	991715	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,30	down
5776258	7042559	991708	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,30	up
6027051	7042559	991716	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,28	up
6572336	7042559	991707	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,23	up
5736603	7042559	991709	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,19	down
6510523	7042559	991713	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,18	up
6501307	7042559	991700	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,16	up
5962018	7042559	991701	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,15	down
6035649	7042559	991720	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,12	down
6178644	7042559	991702	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,08	up

5890464	7042559	991704	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,02	down
6578492	7042559	991718	nuclear factor of kappa light polypeptide gene enhancer in B-cells 2, p49/p100	Nfkb2	309452	1,00	up
5973372	7049352	1008220	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	2,23	down
6299518	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,91	up
5891222	7049352	1008226	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,87	down
5712101	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,46	down
5717509	7049352	1008221	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,32	up
6086334	7049352	1008223	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,30	down
6434233	7049352	1008226	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,22	up
6500480	7049352	1008222	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,19	down
6498560	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,17	up
6024930	7049352	1008225	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,14	up
6458087	7049352	1008224	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Nfkbib	81525	1,07	up
6354198	7030454	961548	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	2,27	up
6353661	7030454	961555	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,87	up
6466099	7030454	961545	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,54	down
6207795	7030454	961548	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,18	down
5966474	7030454	961547	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,09	down
5925774	7030454	961546	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,06	down
6215632	7030454	961547	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,06	up
6685369	7030454	961548	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,02	down
6403950	7030454	961545	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, delta	Nfkbid	308496	1,01	up
6580469	7329341	1693882	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	2,58	up
6013282	7329341	1693885	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,81	down
6180553	7329341	1693881	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,80	down
5829062	7329341	1693892	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,75	up
5687199	7329341	1693901	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,69	up
6375050	7329341	1693883	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,67	down
5984884	7329341	1693878	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,66	down
6015389	7329341	1693883	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,56	up
6457709	7329341	1693885	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,53	up
6570989	7329341	1693884	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,50	up
5687335	7329341	1693876	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,42	down
5631712	7329341	1693883	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,32	up
6390179	7329341	1693897	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,20	down
6427859	7329341	1693879	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,19	down
6513620	7329341	1693876	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,18	up
6167915	7329341	1693889	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,15	up
6528105	7329341	1693894	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,14	down
6013585	7329341	1693886	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,14	up
5752878	7329341	1693893	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,13	up
6155616	7329341	1693899	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,12	up
5637023	7329341	1693891	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	down
6589272	7329341	1693882	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	down
6421520	7329341	1693895	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,11	up
6550215	7329341	1693898	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,09	up
6002618	7329341	1693901	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,08	down
5844561	7329341	1693877	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,06	down
6056986	7329341	1693880	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,04	down
6225338	7329341	1693887	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,03	down
5835972	7329341	1693891	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,01	up
6018585	7329341	1693900	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,01	up
5807637	7329341	1693896	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,01	up
6405578	7329341	1693886	nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor-like 2	Nfkbil2	366953	1,00	up
6235095	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	3,02	down
5804201	7098077	1122769	nuclear receptor co-repressor 2	Ncor2	360801	1,66	up
6725487	7098077	1122782	nuclear receptor co-repressor 2	Ncor2	360801	1,60	down

6239496	7098077	1122748	nuclear receptor co-repressor 2	Ncor2	360801	1,60	down
6637600	7098077	1122776	nuclear receptor co-repressor 2	Ncor2	360801	1,59	up
6181644	7098077	1122793	nuclear receptor co-repressor 2	Ncor2	360801	1,54	up
6153224	7098077	1122762	nuclear receptor co-repressor 2	Ncor2	360801	1,51	down
5857419	7098077	1122783	nuclear receptor co-repressor 2	Ncor2	360801	1,44	up
6541490	7098077	1122806	nuclear receptor co-repressor 2	Ncor2	360801	1,40	up
6275532	7098077	1122799	nuclear receptor co-repressor 2	Ncor2	360801	1,39	down
6080095	7098077	1122754	nuclear receptor co-repressor 2	Ncor2	360801	1,39	up
6096997	7098077	1122808	nuclear receptor co-repressor 2	Ncor2	360801	1,38	up
6452209	7098077	1122804	nuclear receptor co-repressor 2	Ncor2	360801	1,37	down
6009782	7098077	1122741	nuclear receptor co-repressor 2	Ncor2	360801	1,31	up
5944288	7098077	1122749	nuclear receptor co-repressor 2	Ncor2	360801	1,30	down
6474290	7098077	1122786	nuclear receptor co-repressor 2	Ncor2	360801	1,28	up
5687305	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,25	down
6047839	7098077	1122778	nuclear receptor co-repressor 2	Ncor2	360801	1,25	up
5918392	7098077	1122792	nuclear receptor co-repressor 2	Ncor2	360801	1,24	up
6445464	7098077	1122787	nuclear receptor co-repressor 2	Ncor2	360801	1,24	down
6061946	7098077	1122801	nuclear receptor co-repressor 2	Ncor2	360801	1,23	down
6324457	7098077	1122739	nuclear receptor co-repressor 2	Ncor2	360801	1,22	down
5797186	7098077	1122777	nuclear receptor co-repressor 2	Ncor2	360801	1,22	up
6581651	7098077	1122755	nuclear receptor co-repressor 2	Ncor2	360801	1,22	up
6543455	7098077	1122788	nuclear receptor co-repressor 2	Ncor2	360801	1,21	up
6337514	7098077	1122784	nuclear receptor co-repressor 2	Ncor2	360801	1,21	up
6725501	7098077	1122751	nuclear receptor co-repressor 2	Ncor2	360801	1,19	down
6570704	7098077	1122798	nuclear receptor co-repressor 2	Ncor2	360801	1,19	down
6072809	7098077	1122789	nuclear receptor co-repressor 2	Ncor2	360801	1,16	up
6440854	7098077	1122744	nuclear receptor co-repressor 2	Ncor2	360801	1,16	up
6563308	7098077	1122780	nuclear receptor co-repressor 2	Ncor2	360801	1,14	up
5775457	7098077	1122766	nuclear receptor co-repressor 2	Ncor2	360801	1,13	up
6210024	7098077	1122757	nuclear receptor co-repressor 2	Ncor2	360801	1,12	down
6417349	7098077	1122794	nuclear receptor co-repressor 2	Ncor2	360801	1,10	down
5668728	7098077	1122770	nuclear receptor co-repressor 2	Ncor2	360801	1,08	down
5856485	7098077	1122739	nuclear receptor co-repressor 2	Ncor2	360801	1,08	up
6319372	7098077	1122782	nuclear receptor co-repressor 2	Ncor2	360801	1,08	down
6488712	7098077	1122808	nuclear receptor co-repressor 2	Ncor2	360801	1,06	down
5837050	7098077	1122778	nuclear receptor co-repressor 2	Ncor2	360801	1,06	down
6343907	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,06	down
6606655	7098077	1122746	nuclear receptor co-repressor 2	Ncor2	360801	1,05	up
6519278	7098077	1122802	nuclear receptor co-repressor 2	Ncor2	360801	1,04	up
6041603	7098077	1122739	nuclear receptor co-repressor 2	Ncor2	360801	1,04	down
6487325	7098077	1122795	nuclear receptor co-repressor 2	Ncor2	360801	1,03	down
6036506	7098077	1122796	nuclear receptor co-repressor 2	Ncor2	360801	1,03	up
5978572	7098077	1122774	nuclear receptor co-repressor 2	Ncor2	360801	1,03	up
5790690	7098077	1122779	nuclear receptor co-repressor 2	Ncor2	360801	1,02	up
5850741	7098077	1122803	nuclear receptor co-repressor 2	Ncor2	360801	1,02	down
6073980	7098077	1122806	nuclear receptor co-repressor 2	Ncor2	360801	1,02	up
6273081	7098077	1122742	nuclear receptor co-repressor 2	Ncor2	360801	1,01	up
6168790	7098077	1122797	nuclear receptor co-repressor 2	Ncor2	360801	1,01	up
6608227	7098077	1122727	nuclear receptor co-repressor 2	Ncor2	360801	1,01	up
5874321	7098077	1122759	nuclear receptor co-repressor 2	Ncor2	360801	1,01	up
6623986	7098077	1122807	nuclear receptor co-repressor 2	Ncor2	360801	1,01	down
6664094	7098077	1122800	nuclear receptor co-repressor 2	Ncor2	360801	1,00	up
6048483	7082318	1084597	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	2,60	down
6693453	7082318	1084596	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,72	up
6517957	7082318	1084595	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,32	up
6467664	7082318	1084596	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,20	down
5886218	7082318	1084593	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,16	up

6566030	7082318	1084590	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,12	down
6013855	7082318	1084594	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,10	up
5941021	7082318	1084592	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,09	down
6080374	7082318	1084598	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,06	down
5880411	7082318	1084591	nuclear receptor subfamily 1, group D, member 1	Nr1d1	252917	1,05	up
5759408	7323604	1680154	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	2,46	up
6038459	7323604	1680146	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,89	down
5793040	7323604	1680154	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,75	up
6345867	7323604	1680150	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,48	down
5728896	7323604	1680147	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,43	down
6334350	7323604	1680152	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,36	up
6134561	7323604	1680148	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,20	down
6180897	7323604	1680145	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,19	down
6182614	7323604	1680144	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,08	down
6488617	7323604	1680149	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,03	down
5645896	7323604	1680148	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,02	down
6423523	7323604	1680151	nuclear receptor subfamily 1, group H, member 4	Nr1h4	60351	1,01	down
5986455	7313850	1656742	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	3,55	up
6610305	7313850	1656753	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,92	down
6185254	7313850	1656744	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,41	up
6395379	7313850	1656747	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,39	down
6157667	7313850	1656746	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,32	up
5680235	7313850	1656754	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,30	down
6085358	7313850	1656749	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,30	down
6132977	7313850	1656743	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,27	up
6316885	7313850	1656742	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,24	down
5824799	7313850	1656745	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,17	up
6414210	7313850	1656752	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,16	down
6114211	7313850	1656758	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,14	up
6706727	7313850	1656751	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,12	up
6196350	7313850	1656755	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,11	down
5633650	7313850	1656748	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,10	down
6276479	7313850	1656753	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,07	up
6207969	7313850	1656750	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,06	down
6585415	7313850	1656757	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,06	up
6432544	7313850	1656757	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,02	up
5788346	7313850	1656756	nuclear receptor subfamily 2, group C, member 1	Nr2c1	252924	1,02	down
6116190	7201540	1379430	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	2,22	down
6493600	7201540	1379432	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,32	down
6524866	7201540	1379431	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,26	up
6042693	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,21	down
5714976	7201540	1379430	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,12	down
6099301	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,08	up
5825758	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,05	up
6396874	7201540	1379433	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,05	down
6312852	7201540	1379434	nuclear receptor subfamily 2, group F, member 1	Nr2f1	81808	1,00	up
6041455	7052670	1015539	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	5,26	down
5906094	7052670	1015539	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	3,47	down
5768192	7052670	1015537	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	1,84	up
6275058	7052670	1015539	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	1,16	down
6053632	7052670	1015539	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	1,15	down
6428919	7052670	1015539	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	1,03	up
5869249	7052670	1015538	nuclear receptor subfamily 2, group F, member 2	Nr2f2	113984	1,01	down
6200966	7274931	1559712	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	2,15	down
5898798	7274931	1559714	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,67	down
5857592	7274931	1559714	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,63	down
6002331	7274931	1559720	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,62	up

6357381	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,61	up
6706035	7274931	1559711	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,29	up
5995865	7274931	1559711	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,29	down
5860683	7274931	1559715	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,23	down
6361117	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,22	down
5854145	7274931	1559721	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,22	down
6263326	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,16	up
5650109	7274931	1559718	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,15	down
6404664	7274931	1559717	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,12	down
6746188	7274931	1559713	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,10	up
6053681	7274931	1559711	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,09	down
5817700	7274931	1559715	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,04	down
5810306	7274931	1559719	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,04	up
6173481	7274931	1559716	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,03	up
5817424	7274931	1559712	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,03	down
5835001	7274931	1559714	nuclear receptor subfamily 4, group A, member 3	Nr4a3	58853	1,01	up
6207410	7238153	1468838	nuclear receptor subfamily 5, group A, member 1	Nr5a1	83826	2,09	down
6525632	7238153	1468823	nuclear receptor subfamily 5, group A, member 1	Nr5a1	83826	1,48	up
6112349	7238153	1468837	nuclear receptor subfamily 5, group A, member 1	Nr5a1	83826	1,08	up
6557736	7111638	1156216	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	2,37	down
5851404	7111638	1156217	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,47	down
5725331	7111638	1156211	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,46	down
5723972	7111638	1156216	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,38	up
5901463	7111638	1156218	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,33	down
5825460	7111638	1156214	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,25	up
5821640	7111638	1156215	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,07	down
6379913	7111638	1156212	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,06	up
5978184	7111638	1156210	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,03	up
6301069	7111638	1156213	nuclear receptor subfamily 5, group A, member 2	Nr5a2	60349	1,03	up
5741453	7120195	1177878	nucleolar protein 14	Nol14	289724	1,79	down
6245980	7120195	1177870	nucleolar protein 14	Nol14	289724	1,44	up
6094909	7120195	1177876	nucleolar protein 14	Nol14	289724	1,24	up
5791163	7120195	1177862	nucleolar protein 14	Nol14	289724	1,22	down
5624856	7120195	1177873	nucleolar protein 14	Nol14	289724	1,20	up
6215619	7120195	1177878	nucleolar protein 14	Nol14	289724	1,20	down
6135975	7120195	1177863	nucleolar protein 14	Nol14	289724	1,18	up
6199864	7120195	1177866	nucleolar protein 14	Nol14	289724	1,16	up
6524298	7120195	1177861	nucleolar protein 14	Nol14	289724	1,14	down
5872625	7120195	1177877	nucleolar protein 14	Nol14	289724	1,13	down
6687763	7120195	1177869	nucleolar protein 14	Nol14	289724	1,12	up
6220465	7120195	1177872	nucleolar protein 14	Nol14	289724	1,11	up
6545800	7120195	1177875	nucleolar protein 14	Nol14	289724	1,07	down
6007108	7120195	1177867	nucleolar protein 14	Nol14	289724	1,06	up
5967832	7120195	1177865	nucleolar protein 14	Nol14	289724	1,05	down
5862242	7120195	1177871	nucleolar protein 14	Nol14	289724	1,05	up
6681927	7120195	1177868	nucleolar protein 14	Nol14	289724	1,02	up
6729810	7120195	1177873	nucleolar protein 14	Nol14	289724	1,01	down
6192704	7120195	1177864	nucleolar protein 14	Nol14	289724	1,01	down
6563878	7173706	1309240	nucleolar protein 4	Nol4	307553	1,94	up
5759018	7173706	1309299	nucleolar protein 4	Nol4	307553	1,87	down
5850255	7173706	1309283	nucleolar protein 4	Nol4	307553	1,82	down
5840147	7173706	1309299	nucleolar protein 4	Nol4	307553	1,77	down
6520239	7173706	1309241	nucleolar protein 4	Nol4	307553	1,61	up
6565345	7173706	1309284	nucleolar protein 4	Nol4	307553	1,58	down
6069412	7173706	1309284	nucleolar protein 4	Nol4	307553	1,51	down
6023051	7173706	1309260	nucleolar protein 4	Nol4	307553	1,50	up
6498529	7173706	1309241	nucleolar protein 4	Nol4	307553	1,49	up

6110140	7173706	1309255	nucleolar protein 4	No14	307553	1,40	down
6194988	7173706	1309299	nucleolar protein 4	No14	307553	1,40	down
6018588	7173706	1309300	nucleolar protein 4	No14	307553	1,36	up
6003124	7173706	1309241	nucleolar protein 4	No14	307553	1,33	down
6590872	7173706	1309291	nucleolar protein 4	No14	307553	1,29	down
6452830	7173706	1309255	nucleolar protein 4	No14	307553	1,25	down
6353323	7173706	1309300	nucleolar protein 4	No14	307553	1,23	down
5801361	7173706	1309250	nucleolar protein 4	No14	307553	1,22	up
6632551	7173706	1309241	nucleolar protein 4	No14	307553	1,18	up
5772332	7173706	1309268	nucleolar protein 4	No14	307553	1,16	up
5926310	7173706	1309299	nucleolar protein 4	No14	307553	1,15	down
6730934	7173706	1309285	nucleolar protein 4	No14	307553	1,12	down
6514780	7173706	1309284	nucleolar protein 4	No14	307553	1,12	up
5914483	7173706	1309300	nucleolar protein 4	No14	307553	1,02	down
5832669	7173706	1309299	nucleolar protein 4	No14	307553	1,01	up
6497262	7281877	1577535	nucleolar protein 9	No19	313744	1,58	up
5876092	7281877	1577536	nucleolar protein 9	No19	313744	1,44	up
6669656	7281877	1577537	nucleolar protein 9	No19	313744	1,29	up
6598567	7281877	1577539	nucleolar protein 9	No19	313744	1,17	up
5819049	7281877	1577540	nucleolar protein 9	No19	313744	1,16	down
6624374	7281877	1577540	nucleolar protein 9	No19	313744	1,12	up
6537901	7281877	1577534	nucleolar protein 9	No19	313744	1,10	up
6410382	7281877	1577540	nucleolar protein 9	No19	313744	1,06	down
6058241	7229856	1447105	nucleoporin 160	Nup160	311182	2,72	down
5808027	7229856	1447102	nucleoporin 160	Nup160	311182	2,25	up
6559290	7229856	1447097	nucleoporin 160	Nup160	311182	1,76	down
6477971	7229856	1447069	nucleoporin 160	Nup160	311182	1,71	up
5710016	7229856	1447099	nucleoporin 160	Nup160	311182	1,45	down
5679825	7229856	1447101	nucleoporin 160	Nup160	311182	1,42	up
6618101	7229856	1447071	nucleoporin 160	Nup160	311182	1,34	down
6628407	7229856	1447098	nucleoporin 160	Nup160	311182	1,32	up
6511888	7229856	1447068	nucleoporin 160	Nup160	311182	1,31	down
6241529	7229856	1447093	nucleoporin 160	Nup160	311182	1,31	down
6417777	7229856	1447103	nucleoporin 160	Nup160	311182	1,26	up
6067090	7229856	1447088	nucleoporin 160	Nup160	311182	1,26	up
6279556	7229856	1447095	nucleoporin 160	Nup160	311182	1,25	up
6161604	7229856	1447076	nucleoporin 160	Nup160	311182	1,23	down
5985475	7229856	1447083	nucleoporin 160	Nup160	311182	1,20	up
6237251	7229856	1447082	nucleoporin 160	Nup160	311182	1,18	up
6458107	7229856	1447094	nucleoporin 160	Nup160	311182	1,17	down
6149177	7229856	1447087	nucleoporin 160	Nup160	311182	1,16	up
6664645	7229856	1447100	nucleoporin 160	Nup160	311182	1,15	up
6436368	7229856	1447095	nucleoporin 160	Nup160	311182	1,10	down
6051077	7229856	1447085	nucleoporin 160	Nup160	311182	1,10	up
6419866	7229856	1447081	nucleoporin 160	Nup160	311182	1,10	up
6380152	7229856	1447106	nucleoporin 160	Nup160	311182	1,09	up
5810128	7229856	1447108	nucleoporin 160	Nup160	311182	1,09	up
6642082	7229856	1447091	nucleoporin 160	Nup160	311182	1,08	down
6103863	7229856	1447075	nucleoporin 160	Nup160	311182	1,08	up
5752883	7229856	1447089	nucleoporin 160	Nup160	311182	1,07	down
5657228	7229856	1447096	nucleoporin 160	Nup160	311182	1,07	up
6584865	7229856	1447090	nucleoporin 160	Nup160	311182	1,06	up
6483171	7229856	1447109	nucleoporin 160	Nup160	311182	1,06	up
6585657	7229856	1447069	nucleoporin 160	Nup160	311182	1,05	up
5665171	7229856	1447109	nucleoporin 160	Nup160	311182	1,05	down
6186118	7229856	1447107	nucleoporin 160	Nup160	311182	1,04	up
6456992	7229856	1447104	nucleoporin 160	Nup160	311182	1,04	down

6138523	7229856	1447086	nucleoporin 160	Nup160	311182	1,04	up
6254302	7229856	1447092	nucleoporin 160	Nup160	311182	1,04	up
6282613	7229856	1447074	nucleoporin 160	Nup160	311182	1,04	down
6114252	7229856	1447077	nucleoporin 160	Nup160	311182	1,01	down
5804787	7116912	1169489	nucleoporin 54	Nup54	53372	2,96	down
5679153	7116912	1169502	nucleoporin 54	Nup54	53372	1,76	down
6630831	7116912	1169494	nucleoporin 54	Nup54	53372	1,39	down
6301246	7116912	1169501	nucleoporin 54	Nup54	53372	1,38	down
6492285	7116912	1169491	nucleoporin 54	Nup54	53372	1,31	up
5654036	7116912	1169500	nucleoporin 54	Nup54	53372	1,25	down
5994441	7116912	1169493	nucleoporin 54	Nup54	53372	1,24	down
6463960	7116912	1169489	nucleoporin 54	Nup54	53372	1,24	down
6196760	7116912	1169498	nucleoporin 54	Nup54	53372	1,22	up
6206302	7116912	1169491	nucleoporin 54	Nup54	53372	1,21	up
6669410	7116912	1169495	nucleoporin 54	Nup54	53372	1,15	up
6154436	7116912	1169490	nucleoporin 54	Nup54	53372	1,13	up
5917827	7116912	1169502	nucleoporin 54	Nup54	53372	1,12	up
6511858	7116912	1169497	nucleoporin 54	Nup54	53372	1,11	down
6740698	7116912	1169499	nucleoporin 54	Nup54	53372	1,11	down
6303936	7116912	1169496	nucleoporin 54	Nup54	53372	1,06	up
6549956	7116912	1169492	nucleoporin 54	Nup54	53372	1,05	up
6221995	7260553	1524108	nucleoporin like 2	Nup12	499974	1,51	down
5678268	7260553	1524114	nucleoporin like 2	Nup12	499974	1,47	down
6053103	7260553	1524115	nucleoporin like 2	Nup12	499974	1,36	down
6186893	7260553	1524108	nucleoporin like 2	Nup12	499974	1,21	up
6525737	7260553	1524111	nucleoporin like 2	Nup12	499974	1,20	up
5657933	7260553	1524110	nucleoporin like 2	Nup12	499974	1,20	up
6042770	7260553	1524112	nucleoporin like 2	Nup12	499974	1,12	up
6700220	7260553	1524115	nucleoporin like 2	Nup12	499974	1,10	down
5795794	7260553	1524109	nucleoporin like 2	Nup12	499974	1,06	down
5753095	7260553	1524107	nucleoporin like 2	Nup12	499974	1,03	down
6087525	7260553	1524108	nucleoporin like 2	Nup12	499974	1,02	up
6224543	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	2,24	up
6206412	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,87	up
5948682	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,87	down
5876164	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,74	down
6500865	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,36	up
5733198	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,23	down
6444906	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,16	down
5902514	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,05	down
6394541	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,04	down
6151138	7265254	1535428	nucleosome assembly protein 1-like 5	Nap115	688843	1,04	up
6141675	7265254	1535429	nucleosome assembly protein 1-like 5	Nap115	688843	1,02	up
6502619	7379492	1819689	nyctalopin	Nyx	302516	2,78	down
6175063	7379492	1819689	nyctalopin	Nyx	302516	2,09	up
5631849	7379492	1819698	nyctalopin	Nyx	302516	1,11	up
5791391	7379492	1819688	nyctalopin	Nyx	302516	1,01	down
6269140	7379492	1819689	nyctalopin	Nyx	302516	1,00	down
6663895	7377457	1815101	oculocerebrorenal syndrome of Lowe	Ocrl	317576	2,49	up
6293095	7377457	1815085	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,68	down
5750338	7377457	1815100	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,51	down
5866109	7377457	1815080	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,49	up
6237165	7377457	1815091	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,48	down
6126268	7377457	1815079	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,41	up
6065211	7377457	1815101	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,40	up
6669038	7377457	1815071	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,39	up
6722331	7377457	1815083	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,38	up

5792673	7377457	1815087	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,36	down
6644782	7377457	1815101	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,36	down
6457435	7377457	1815088	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,35	down
6580160	7377457	1815099	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,33	down
6640043	7377457	1815074	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,30	up
5730481	7377457	1815100	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,29	down
6553487	7377457	1815081	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,25	down
5734889	7377457	1815096	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,21	up
6303953	7377457	1815082	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,21	up
6146106	7377457	1815078	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,18	down
5872687	7377457	1815073	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,17	down
6113739	7377457	1815086	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,15	down
5634283	7377457	1815077	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,13	up
6716378	7377457	1815097	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,08	up
5705512	7377457	1815084	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,08	down
5621316	7377457	1815090	oculocerebrorenal syndrome of Lowe	Ocrl	317576	1,05	up
6303312	7225328	1435390	odorant binding protein 2B	Obp2b	286933	2,53	down
6720174	7225328	1435394	odorant binding protein 2B	Obp2b	286933	1,56	down
6559653	7225328	1435395	odorant binding protein 2B	Obp2b	286933	1,40	down
5783287	7225328	1435392	odorant binding protein 2B	Obp2b	286933	1,26	up
5743918	7225328	1435393	odorant binding protein 2B	Obp2b	286933	1,24	up
6379838	7225328	1435396	odorant binding protein 2B	Obp2b	286933	1,20	up
6643282	7225328	1435390	odorant binding protein 2B	Obp2b	286933	1,13	up
5638701	7225328	1435391	odorant binding protein 2B	Obp2b	286933	1,05	up
6052737	7076246	1071436	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	2,45	down
6626175	7076246	1071450	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,92	down
5951502	7076246	1071452	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,83	up
5983564	7076246	1071434	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,77	down
6192990	7076246	1071444	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,69	down
6116044	7076246	1071426	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,59	down
6560729	7076246	1071449	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,54	down
6455390	7076246	1071451	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,51	up
6648116	7076246	1071433	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,48	down
6341142	7076246	1071435	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,46	down
5730838	7076246	1071452	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,41	up
6239361	7076246	1071431	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,41	down
6179377	7076246	1071451	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,39	up
6448088	7076246	1071443	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,37	up
5658897	7076246	1071429	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,37	up
6141640	7076246	1071437	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,35	down
6471735	7076246	1071446	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,34	up
6506889	7076246	1071438	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,32	down
6549700	7076246	1071425	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,32	up
6258137	7076246	1071445	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,28	up
6309209	7076246	1071439	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,28	up
6200360	7076246	1071427	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,28	up
6119699	7076246	1071443	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,26	up
5950333	7076246	1071432	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,24	up
6572286	7076246	1071428	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,23	down
6247979	7076246	1071428	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,21	down
5638577	7076246	1071441	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,21	down
6470106	7076246	1071442	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,19	down
5878867	7076246	1071447	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,08	down
6548977	7076246	1071430	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,08	down
5740653	7076246	1071440	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,06	down
6607829	7076246	1071448	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,05	down
6089495	7076246	1071452	odz, odd Oz/ten-m homolog 2 (Drosophila)	Odz2	117242	1,00	down

6023558	7034293	971819	odz, odd Oz/ten-m homolog 4 (Drosophila)	Odz4	308831	1,44	down
6306097	7034293	971831	odz, odd Oz/ten-m homolog 4 (Drosophila)	Odz4	308831	1,32	down
5920167	7034293	971996	odz, odd Oz/ten-m homolog 4 (Drosophila)	Odz4	308831	1,13	up
6228668	7312121	1652374	olfactory receptor 1052 /// olfactory receptor 936 /// olfactory receptor 932	052 /// Olr936 /// Ol38 /// 288869 /// 36		2,11	up
6277829	7312121	1652374	olfactory receptor 1052 /// olfactory receptor 936 /// olfactory receptor 932	052 /// Olr936 /// Ol38 /// 288869 /// 36		1,06	up
6245593	7334987	1707175	olfactory receptor 1259	Olr1259	300581	2,60	up
6429882	7334987	1707175	olfactory receptor 1259	Olr1259	300581	1,24	down
6431261	7334987	1707175	olfactory receptor 1259	Olr1259	300581	1,07	up
5811110	7334987	1707175	olfactory receptor 1259	Olr1259	300581	1,04	down
6359820	7335013	1707208	olfactory receptor 1271	Olr1271	286959	6,91	up
6053052	7335013	1707207	olfactory receptor 1271	Olr1271	286959	1,76	up
5783807	7335013	1707207	olfactory receptor 1271	Olr1271	286959	1,28	up
6598462	7335013	1707206	olfactory receptor 1271	Olr1271	286959	1,21	down
6672063	7335013	1707209	olfactory receptor 1271	Olr1271	286959	1,15	down
5767927	7220274	1423722	olfactory receptor 1733	Olr1733	309583	1,22	down
6684340	7220274	1423722	olfactory receptor 1733	Olr1733	309583	1,12	down
5704624	7220274	1423721	olfactory receptor 1733 /// olfactory receptor 1739	Olr1733 /// Olr1739 309583 /// 405202		1,28	down
6096355	7220274	1423720	olfactory receptor 1733 /// olfactory receptor 1742	Olr1733 /// Olr1742 309583 /// 294196		1,46	up
5954910	7220274	1423722	olfactory receptor 1733 /// olfactory receptor 1742 /// olfactory receptor 1720 /// olfactory receptor 170	Olr1742 /// Olr1720 294196 /// 406015		2,17	up
6688601	7220274	1423720	olfactory receptor 1733 /// olfactory receptor 1742 /// olfactory receptor 1739	33 /// Olr1742 /// Ol38 /// 294196 /// 40		1,24	up
6334613	7216309	1413742	olfactory receptor 1748	Olr1748	405199	3,95	up
5733473	7216309	1413743	olfactory receptor 1748	Olr1748	405199	1,56	down
6291398	7204770	1386678	oncostatin M receptor	Osmr	310132	3,06	down
6373654	7204770	1386672	oncostatin M receptor	Osmr	310132	2,00	down
6522120	7204770	1386664	oncostatin M receptor	Osmr	310132	1,94	up
5947126	7204770	1386671	oncostatin M receptor	Osmr	310132	1,88	down
6331396	7204770	1386667	oncostatin M receptor	Osmr	310132	1,50	up
6040049	7204770	1386663	oncostatin M receptor	Osmr	310132	1,45	up
5822375	7204770	1386668	oncostatin M receptor	Osmr	310132	1,44	up
5988755	7204770	1386666	oncostatin M receptor	Osmr	310132	1,35	up
6586488	7204770	1386669	oncostatin M receptor	Osmr	310132	1,33	down
6614613	7204770	1386676	oncostatin M receptor	Osmr	310132	1,31	down
5942700	7204770	1386665	oncostatin M receptor	Osmr	310132	1,20	up
5869296	7204770	1386670	oncostatin M receptor	Osmr	310132	1,20	down
6531518	7204770	1386668	oncostatin M receptor	Osmr	310132	1,20	down
6115102	7204770	1386675	oncostatin M receptor	Osmr	310132	1,18	down
5637083	7204770	1386677	oncostatin M receptor	Osmr	310132	1,16	down
6457305	7204770	1386662	oncostatin M receptor	Osmr	310132	1,16	up
6607922	7204770	1386677	oncostatin M receptor	Osmr	310132	1,03	up
6496371	7204770	1386674	oncostatin M receptor	Osmr	310132	1,02	down
6672221	7204770	1386673	oncostatin M receptor	Osmr	310132	1,01	up
6003899	7236485	1464517	opiate receptor-like 1	Oprl1	29256	1,59	up
5659149	7236485	1464517	opiate receptor-like 1	Oprl1	29256	1,43	down
5629675	7236485	1464520	opiate receptor-like 1	Oprl1	29256	1,26	down
6697602	7236485	1464517	opiate receptor-like 1	Oprl1	29256	1,23	up
5931418	7236485	1464519	opiate receptor-like 1	Oprl1	29256	1,15	up
6519086	7236485	1464517	opiate receptor-like 1	Oprl1	29256	1,13	down
5841709	7236485	1464517	opiate receptor-like 1	Oprl1	29256	1,04	down
6670755	7279499	1571837	organic solute carrier protein 1	Oscp1	362595	1,78	up
5960716	7279499	1571832	organic solute carrier protein 1	Oscp1	362595	1,42	up
6658800	7279499	1571818	organic solute carrier protein 1	Oscp1	362595	1,41	up
6298264	7279499	1571818	organic solute carrier protein 1	Oscp1	362595	1,40	up
6250444	7279499	1571830	organic solute carrier protein 1	Oscp1	362595	1,24	down
6637536	7279499	1571835	organic solute carrier protein 1	Oscp1	362595	1,19	up
6463739	7279499	1571824	organic solute carrier protein 1	Oscp1	362595	1,17	down
5877279	7279499	1571836	organic solute carrier protein 1	Oscp1	362595	1,16	down
6345500	7279499	1571834	organic solute carrier protein 1	Oscp1	362595	1,14	up

6360349	7279499	1571827	organic solute carrier protein 1	Oscp1	362595	1,11	down
6691472	7279499	1571834	organic solute carrier protein 1	Oscp1	362595	1,10	up
6367228	7279499	1571831	organic solute carrier protein 1	Oscp1	362595	1,09	up
5997386	7279499	1571826	organic solute carrier protein 1	Oscp1	362595	1,00	up
5655946	7295652	1610308	otoferlin	Otof	84573	1,66	down
5638930	7295652	1610307	otoferlin	Otof	84573	1,50	up
6563224	7295652	1610312	otoferlin	Otof	84573	1,14	up
6149847	7295652	1610306	otoferlin	Otof	84573	1,13	down
6416016	7295652	1610310	otoferlin	Otof	84573	1,08	down
5680754	7295652	1610309	otoferlin	Otof	84573	1,07	down
5787493	7031662	964332	otogelin	Otog	292918	4,43	down
6120010	7031662	964330	otogelin	Otog	292918	1,93	down
6499694	7031662	964373	otogelin	Otog	292918	1,85	down
6265937	7031662	964370	otogelin	Otog	292918	1,75	up
5868719	7031662	964358	otogelin	Otog	292918	1,66	down
6461239	7031662	964334	otogelin	Otog	292918	1,57	up
6519139	7031662	964367	otogelin	Otog	292918	1,55	up
6299241	7031662	964323	otogelin	Otog	292918	1,53	down
5986452	7031662	964386	otogelin	Otog	292918	1,52	down
6371365	7031662	964359	otogelin	Otog	292918	1,50	up
6113001	7031662	964385	otogelin	Otog	292918	1,47	up
5621101	7031662	964331	otogelin	Otog	292918	1,46	up
6084328	7031662	964363	otogelin	Otog	292918	1,46	up
5771374	7031662	964332	otogelin	Otog	292918	1,45	down
6414122	7031662	964360	otogelin	Otog	292918	1,43	up
6165187	7031662	964329	otogelin	Otog	292918	1,39	down
6660796	7031662	964328	otogelin	Otog	292918	1,38	down
6668183	7031662	964369	otogelin	Otog	292918	1,37	up
6032895	7031662	964351	otogelin	Otog	292918	1,35	up
6007042	7031662	964322	otogelin	Otog	292918	1,33	up
6441998	7031662	964333	otogelin	Otog	292918	1,31	up
5992215	7031662	964362	otogelin	Otog	292918	1,30	up
5774143	7031662	964357	otogelin	Otog	292918	1,28	up
6581088	7031662	964380	otogelin	Otog	292918	1,25	down
6407220	7031662	964383	otogelin	Otog	292918	1,24	down
6610207	7031662	964376	otogelin	Otog	292918	1,24	up
6114413	7031662	964345	otogelin	Otog	292918	1,23	up
5654591	7031662	964379	otogelin	Otog	292918	1,20	up
6595290	7031662	964366	otogelin	Otog	292918	1,20	up
6054807	7031662	964346	otogelin	Otog	292918	1,19	up
6211395	7031662	964321	otogelin	Otog	292918	1,18	up
6228395	7031662	964372	otogelin	Otog	292918	1,18	up
6462645	7031662	964324	otogelin	Otog	292918	1,17	down
5866614	7031662	964348	otogelin	Otog	292918	1,17	down
6089349	7031662	964337	otogelin	Otog	292918	1,17	up
6380518	7031662	964350	otogelin	Otog	292918	1,17	down
6155543	7031662	964381	otogelin	Otog	292918	1,16	down
6199855	7031662	964326	otogelin	Otog	292918	1,15	down
6349096	7031662	964327	otogelin	Otog	292918	1,15	up
6494320	7031662	964360	otogelin	Otog	292918	1,15	up
6067507	7031662	964360	otogelin	Otog	292918	1,14	up
6718137	7031662	964320	otogelin	Otog	292918	1,14	down
5766918	7031662	964347	otogelin	Otog	292918	1,14	down
5743178	7031662	964339	otogelin	Otog	292918	1,13	down
6140556	7031662	964342	otogelin	Otog	292918	1,13	down
6501711	7031662	964373	otogelin	Otog	292918	1,12	down
6195789	7031662	964365	otogelin	Otog	292918	1,09	up

5697408	7031662	964384	otogelin	Otog	292918	1,08	up
5818175	7031662	964368	otogelin	Otog	292918	1,08	down
6482426	7031662	964360	otogelin	Otog	292918	1,07	up
5661815	7031662	964343	otogelin	Otog	292918	1,07	up
6396594	7031662	964354	otogelin	Otog	292918	1,07	up
6745205	7031662	964338	otogelin	Otog	292918	1,06	up
6370948	7031662	964340	otogelin	Otog	292918	1,06	up
6295212	7031662	964360	otogelin	Otog	292918	1,06	down
5795219	7031662	964360	otogelin	Otog	292918	1,06	up
5849449	7031662	964371	otogelin	Otog	292918	1,06	down
6066461	7031662	964341	otogelin	Otog	292918	1,06	up
6081183	7031662	964360	otogelin	Otog	292918	1,05	up
5659619	7031662	964331	otogelin	Otog	292918	1,05	up
5861832	7031662	964349	otogelin	Otog	292918	1,04	up
6230756	7031662	964320	otogelin	Otog	292918	1,04	down
6469653	7031662	964353	otogelin	Otog	292918	1,04	down
6401057	7031662	964361	otogelin	Otog	292918	1,03	up
6330332	7031662	964325	otogelin	Otog	292918	1,03	up
6579418	7031662	964378	otogelin	Otog	292918	1,02	up
6009178	7031662	964356	otogelin	Otog	292918	1,02	up
6578959	7031662	964384	otogelin	Otog	292918	1,01	up
5870172	7031662	964377	otogelin	Otog	292918	1,01	up
6602422	7073624	1064919	otopetrin 2	Otop2	287820	2,14	down
6654909	7073624	1064925	otopetrin 2	Otop2	287820	1,41	down
5654089	7073624	1064924	otopetrin 2	Otop2	287820	1,38	up
5741876	7073624	1064924	otopetrin 2	Otop2	287820	1,32	up
6104418	7073624	1064923	otopetrin 2	Otop2	287820	1,30	down
6535912	7073624	1064920	otopetrin 2	Otop2	287820	1,27	up
6704748	7073624	1064924	otopetrin 2	Otop2	287820	1,27	down
5991538	7073624	1064922	otopetrin 2	Otop2	287820	1,25	up
6491297	7073624	1064918	otopetrin 2	Otop2	287820	1,10	up
6299881	7073624	1064925	otopetrin 2	Otop2	287820	1,02	up
5989425	7032395	966627	OTU domain containing 7A	Otud7a	309252	3,11	down
6180470	7032395	966613	OTU domain containing 7A	Otud7a	309252	1,83	up
5654071	7032395	966595	OTU domain containing 7A	Otud7a	309252	1,63	down
5923174	7032395	966593	OTU domain containing 7A	Otud7a	309252	1,49	down
6259806	7032395	966587	OTU domain containing 7A	Otud7a	309252	1,43	up
5924827	7032395	966611	OTU domain containing 7A	Otud7a	309252	1,37	up
6092428	7032395	966629	OTU domain containing 7A	Otud7a	309252	1,23	up
6135108	7032395	966627	OTU domain containing 7A	Otud7a	309252	1,16	down
5896022	7032395	966628	OTU domain containing 7A	Otud7a	309252	1,15	down
5969552	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,13	down
6479557	7032395	966615	OTU domain containing 7A	Otud7a	309252	1,12	up
6223275	7032395	966602	OTU domain containing 7A	Otud7a	309252	1,08	up
6109437	7032395	966601	OTU domain containing 7A	Otud7a	309252	1,08	down
6580316	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,07	down
5723493	7032395	966612	OTU domain containing 7A	Otud7a	309252	1,06	up
6031099	7032395	966622	OTU domain containing 7A	Otud7a	309252	1,06	down
6569546	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,05	up
6506786	7032395	966626	OTU domain containing 7A	Otud7a	309252	1,04	down
6600136	7032395	966621	OTU domain containing 7A	Otud7a	309252	1,04	up
5827419	7032395	966627	OTU domain containing 7A	Otud7a	309252	1,03	up
6519715	7032395	966608	OTU domain containing 7A	Otud7a	309252	1,01	down
6106040	7032395	966587	OTU domain containing 7A	Otud7a	309252	1,00	down
5651323	7197048	1367816	OTU domain containing 7B	Otud7b	310677	2,11	up
5803663	7197048	1367814	OTU domain containing 7B	Otud7b	310677	2,07	up
5744160	7197048	1367824	OTU domain containing 7B	Otud7b	310677	1,37	down

6154031	7197048	1367824	OTU domain containing 7B	Otud7b	310677	1,33	down
5957250	7197048	1367824	OTU domain containing 7B	Otud7b	310677	1,25	down
5778924	7197048	1367804	OTU domain containing 7B	Otud7b	310677	1,24	down
5771458	7197048	1367820	OTU domain containing 7B	Otud7b	310677	1,23	up
6469695	7197048	1367822	OTU domain containing 7B	Otud7b	310677	1,22	down
6525392	7197048	1367819	OTU domain containing 7B	Otud7b	310677	1,13	up
6216225	7197048	1367824	OTU domain containing 7B	Otud7b	310677	1,12	down
5778027	7197048	1367815	OTU domain containing 7B	Otud7b	310677	1,09	up
5735349	7197048	1367813	OTU domain containing 7B	Otud7b	310677	1,09	up
6577139	7197048	1367804	OTU domain containing 7B	Otud7b	310677	1,07	up
6062953	7197048	1367813	OTU domain containing 7B	Otud7b	310677	1,06	up
5756163	7197048	1367821	OTU domain containing 7B	Otud7b	310677	1,01	down
6112517	7197048	1367823	OTU domain containing 7B	Otud7b	310677	1,01	down
5659902	7197048	1367817	OTU domain containing 7B	Otud7b	310677	1,01	down
6448003	7200313	1376464	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,83	up
6535144	7200313	1376462	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,67	down
6424713	7200313	1376459	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,56	down
6292958	7200313	1376457	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,51	down
6087390	7200313	1376469	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,50	up
6304907	7200313	1376466	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,47	up
6519193	7200313	1376451	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,36	down
6122518	7200313	1376467	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,32	down
5719520	7200313	1376450	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,24	down
5836762	7200313	1376463	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,23	down
5741813	7200313	1376456	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,22	down
6434470	7200313	1376464	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,16	down
6450585	7200313	1376446	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,15	down
6026214	7200313	1376457	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,05	up
6724094	7200313	1376455	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,05	down
6252245	7200313	1376472	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,04	up
5653732	7200313	1376461	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,04	up
6712778	7200313	1376452	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,04	down
6370661	7200313	1376472	outer dense fiber of sperm tails 2-like	Odf2l	685425	1,03	up
6227459	7131718	1205750	oxidase assembly 1-like	Oxa1l	691393	1,09	up
5966536	7181560	1329369	oxidative stress induced growth inhibitor 1	Osgin1	171493	2,37	up
6280423	7181560	1329365	oxidative stress induced growth inhibitor 1	Osgin1	171493	2,03	down
5956849	7181560	1329368	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,75	up
5874114	7181560	1329362	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,68	down
6024874	7181560	1329361	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,47	down
6123099	7181560	1329366	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,38	up
6242887	7181560	1329365	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,32	up
6731299	7181560	1329367	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,29	down
6573327	7181560	1329364	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,16	down
6206239	7181560	1329370	oxidative stress induced growth inhibitor 1	Osgin1	171493	1,14	up
5763924	7341038	1722633	oxysterol binding protein-like 10	Osbp110	316039	1,84	down
6044944	7341038	1722690	oxysterol binding protein-like 10	Osbp110	316039	1,33	down
6295825	7341038	1722633	oxysterol binding protein-like 10	Osbp110	316039	1,04	up
6004242	7341038	1722650	oxysterol binding protein-like 10	Osbp110	316039	1,02	up
5870427	7341038	1722651	oxysterol binding protein-like 10	Osbp110	316039	1,00	down
5753311	7264653	1534064	oxysterol binding protein-like 3	Osbp13	362360	2,22	up
5765874	7264653	1534025	oxysterol binding protein-like 3	Osbp13	362360	1,62	up
6367687	7264653	1534060	oxysterol binding protein-like 3	Osbp13	362360	1,34	down
6110397	7264653	1534034	oxysterol binding protein-like 3	Osbp13	362360	1,20	down
6228310	7264653	1534065	oxysterol binding protein-like 3	Osbp13	362360	1,14	up
5973603	7264653	1534026	oxysterol binding protein-like 3	Osbp13	362360	1,13	down
5827700	7264653	1534027	oxysterol binding protein-like 3	Osbp13	362360	1,04	up
6612908	7229061	1445315	oxysterol binding protein-like 6	Osbp16	311129	2,07	down

6278968	7229061	1445322	oxysterol binding protein-like 6	Osbpl6	311129	1,69	down
6064723	7229061	1445312	oxysterol binding protein-like 6	Osbpl6	311129	1,68	down
6131886	7229061	1445308	oxysterol binding protein-like 6	Osbpl6	311129	1,64	up
6328710	7229061	1445311	oxysterol binding protein-like 6	Osbpl6	311129	1,54	up
6258928	7229061	1445282	oxysterol binding protein-like 6	Osbpl6	311129	1,51	up
6171706	7229061	1445313	oxysterol binding protein-like 6	Osbpl6	311129	1,51	down
5703607	7229061	1445320	oxysterol binding protein-like 6	Osbpl6	311129	1,44	down
6159753	7229061	1445319	oxysterol binding protein-like 6	Osbpl6	311129	1,37	down
6212858	7229061	1445323	oxysterol binding protein-like 6	Osbpl6	311129	1,36	down
6059319	7229061	1445283	oxysterol binding protein-like 6	Osbpl6	311129	1,30	up
6436369	7229061	1445299	oxysterol binding protein-like 6	Osbpl6	311129	1,26	up
6209872	7229061	1445317	oxysterol binding protein-like 6	Osbpl6	311129	1,20	down
6504302	7229061	1445280	oxysterol binding protein-like 6	Osbpl6	311129	1,17	down
5669599	7229061	1445295	oxysterol binding protein-like 6	Osbpl6	311129	1,15	up
5828883	7229061	1445316	oxysterol binding protein-like 6	Osbpl6	311129	1,14	up
6266403	7229061	1445303	oxysterol binding protein-like 6	Osbpl6	311129	1,14	up
5807341	7229061	1445309	oxysterol binding protein-like 6	Osbpl6	311129	1,13	up
6095787	7229061	1445289	oxysterol binding protein-like 6	Osbpl6	311129	1,12	up
5700672	7229061	1445310	oxysterol binding protein-like 6	Osbpl6	311129	1,11	up
5816365	7229061	1445295	oxysterol binding protein-like 6	Osbpl6	311129	1,09	up
6355225	7229061	1445293	oxysterol binding protein-like 6	Osbpl6	311129	1,08	up
6118573	7229061	1445298	oxysterol binding protein-like 6	Osbpl6	311129	1,07	up
5667380	7229061	1445301	oxysterol binding protein-like 6	Osbpl6	311129	1,06	down
5982207	7229061	1445297	oxysterol binding protein-like 6	Osbpl6	311129	1,05	up
6517839	7229061	1445294	oxysterol binding protein-like 6	Osbpl6	311129	1,05	up
6178393	7229061	1445295	oxysterol binding protein-like 6	Osbpl6	311129	1,01	up
6220889	7289879	1596411	oxysterol binding protein-like 9	Osbpl9	298369	2,66	up
6572779	7289879	1596434	oxysterol binding protein-like 9	Osbpl9	298369	1,59	down
6186333	7289879	1596424	oxysterol binding protein-like 9	Osbpl9	298369	1,42	up
5635852	7289879	1596410	oxysterol binding protein-like 9	Osbpl9	298369	1,36	up
6135689	7289879	1596412	oxysterol binding protein-like 9	Osbpl9	298369	1,34	up
6422961	7289879	1596413	oxysterol binding protein-like 9	Osbpl9	298369	1,31	up
6647935	7289879	1596422	oxysterol binding protein-like 9	Osbpl9	298369	1,31	up
5733092	7289879	1596444	oxysterol binding protein-like 9	Osbpl9	298369	1,24	down
6103292	7289879	1596425	oxysterol binding protein-like 9	Osbpl9	298369	1,20	up
6064293	7289879	1596409	oxysterol binding protein-like 9	Osbpl9	298369	1,16	up
5642345	7289879	1596431	oxysterol binding protein-like 9	Osbpl9	298369	1,14	down
6302601	7289879	1596405	oxysterol binding protein-like 9	Osbpl9	298369	1,13	down
6208454	7289879	1596402	oxysterol binding protein-like 9	Osbpl9	298369	1,09	up
6419478	7289879	1596419	oxysterol binding protein-like 9	Osbpl9	298369	1,08	down
6509596	7289879	1596401	oxysterol binding protein-like 9	Osbpl9	298369	1,08	down
6126012	7289879	1596400	oxysterol binding protein-like 9	Osbpl9	298369	1,07	down
6049748	7289879	1596404	oxysterol binding protein-like 9	Osbpl9	298369	1,07	down
6370135	7289879	1596408	oxysterol binding protein-like 9	Osbpl9	298369	1,06	up
5976318	7289879	1596418	oxysterol binding protein-like 9	Osbpl9	298369	1,06	up
5756276	7289879	1596441	oxysterol binding protein-like 9	Osbpl9	298369	1,05	down
6109059	7289879	1596406	oxysterol binding protein-like 9	Osbpl9	298369	1,04	up
6204935	7289879	1596404	oxysterol binding protein-like 9	Osbpl9	298369	1,03	up
6197094	7289879	1596439	oxysterol binding protein-like 9	Osbpl9	298369	1,03	down
5647086	7289879	1596434	oxysterol binding protein-like 9	Osbpl9	298369	1,03	down
6652303	7289879	1596417	oxysterol binding protein-like 9	Osbpl9	298369	1,02	up
5665217	7289879	1596400	oxysterol binding protein-like 9	Osbpl9	298369	1,02	down
6201048	7289879	1596410	oxysterol binding protein-like 9	Osbpl9	298369	1,00	up
6121094	7232615	1454354	oxytocin, prepropeptide	Oxt	25504	2,51	down
5961033	7232615	1454355	oxytocin, prepropeptide	Oxt	25504	1,73	up
6146920	7232615	1454352	oxytocin, prepropeptide	Oxt	25504	1,03	up
6106587	7232615	1454353	oxytocin, prepropeptide	Oxt	25504	1,01	up

5770558	7380381	1821554	p21 (CDKN1A)-activated kinase 3	Pak3	29433	3,69	up
6394776	7380381	1821546	p21 (CDKN1A)-activated kinase 3	Pak3	29433	2,66	up
5937484	7380381	1821549	p21 (CDKN1A)-activated kinase 3	Pak3	29433	2,28	up
6263558	7380381	1821550	p21 (CDKN1A)-activated kinase 3	Pak3	29433	2,13	up
5692938	7380381	1821554	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,69	up
5936640	7380381	1821543	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,60	down
5918893	7380381	1821548	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,55	up
5706820	7380381	1821545	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,55	down
5760596	7380381	1821544	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,55	down
5735272	7380381	1821547	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,31	down
6596304	7380381	1821553	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,23	down
5926553	7380381	1821540	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,12	down
6269970	7380381	1821544	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,10	up
6551649	7380381	1821541	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,08	down
6495247	7380381	1821542	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,07	up
6312625	7380381	1821552	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,02	down
6117542	7380381	1821551	p21 (CDKN1A)-activated kinase 3	Pak3	29433	1,00	down
6336193	7233524	1457224	paired box 1	Pax1	311505	1,75	up
6709233	7233524	1457216	paired box 1	Pax1	311505	1,41	up
6459506	7233524	1457220	paired box 1	Pax1	311505	1,31	down
6497304	7233524	1457221	paired box 1	Pax1	311505	1,28	down
6092490	7233524	1457222	paired box 1	Pax1	311505	1,20	up
5644133	7233524	1457222	paired box 1	Pax1	311505	1,20	down
6075252	7233524	1457224	paired box 1	Pax1	311505	1,15	up
6697044	7233524	1457224	paired box 1	Pax1	311505	1,15	up
6606727	7233524	1457216	paired box 1	Pax1	311505	1,11	up
6240502	7143387	1234510	paired related homeobox protein-like 1	Prrxl1	252880	2,17	down
5828549	7143387	1234511	paired related homeobox protein-like 1	Prrxl1	252880	1,91	up
6580135	7143387	1234506	paired related homeobox protein-like 1	Prrxl1	252880	1,47	down
6198599	7143387	1234507	paired related homeobox protein-like 1	Prrxl1	252880	1,43	up
5643203	7143387	1234505	paired related homeobox protein-like 1	Prrxl1	252880	1,35	down
6277440	7143387	1234512	paired related homeobox protein-like 1	Prrxl1	252880	1,35	down
5626840	7143387	1234506	paired related homeobox protein-like 1	Prrxl1	252880	1,35	down
6160588	7143387	1234512	paired related homeobox protein-like 1	Prrxl1	252880	1,29	up
6050671	7143387	1234509	paired related homeobox protein-like 1	Prrxl1	252880	1,23	up
6351978	7143387	1234505	paired related homeobox protein-like 1	Prrxl1	252880	1,17	up
6458435	7143387	1234512	paired related homeobox protein-like 1	Prrxl1	252880	1,16	up
5662396	7143387	1234511	paired related homeobox protein-like 1	Prrxl1	252880	1,11	down
5716041	7143387	1234508	paired related homeobox protein-like 1	Prrxl1	252880	1,10	up
6670687	7143387	1234511	paired related homeobox protein-like 1	Prrxl1	252880	1,07	up
5811898	7034743	973177	paired-like homeobox 2a	Phox2a	116648	2,23	down
5815782	7034743	973180	paired-like homeobox 2a	Phox2a	116648	1,48	down
6064638	7034743	973180	paired-like homeobox 2a	Phox2a	116648	1,48	up
5790337	7034743	973179	paired-like homeobox 2a	Phox2a	116648	1,24	up
6620564	7034743	973179	paired-like homeobox 2a	Phox2a	116648	1,20	down
6537812	7034743	973177	paired-like homeobox 2a	Phox2a	116648	1,20	up
6379647	7034743	973180	paired-like homeobox 2a	Phox2a	116648	1,14	up
6272870	7034743	973178	paired-like homeobox 2a	Phox2a	116648	1,04	down
6289895	7155441	1264357	paired-like homeodomain 1	Pitx1	113983	2,65	up
6347903	7155441	1264354	paired-like homeodomain 1	Pitx1	113983	1,50	up
6731097	7155441	1264356	paired-like homeodomain 1	Pitx1	113983	1,15	down
6002627	7155441	1264355	paired-like homeodomain 1	Pitx1	113983	1,13	down
5780885	7155441	1264357	paired-like homeodomain 1	Pitx1	113983	1,09	down
6238909	7213294	1406092	palmdelphin	Palmd	310811	2,19	up
6602141	7213294	1406096	palmdelphin	Palmd	310811	1,58	down
6173807	7213294	1406103	palmdelphin	Palmd	310811	1,50	up
6730806	7213294	1406108	palmdelphin	Palmd	310811	1,49	down

6283414	7213294	1406108	palmdelphin	Palmd	310811	1,21	down
5628352	7213294	1406097	palmdelphin	Palmd	310811	1,11	down
6703727	7213294	1406108	palmdelphin	Palmd	310811	1,07	up
6391293	7213294	1406095	palmdelphin	Palmd	310811	1,07	up
5756211	7213294	1406094	palmdelphin	Palmd	310811	1,04	up
6255307	7213294	1406108	palmdelphin	Palmd	310811	1,02	up
5688396	7213294	1406105	palmdelphin	Palmd	310811	1,00	up
5913085	7160706	1277078	pancreas specific transcription factor, 1a	Ptf1a	117034	2,64	down
5797692	7160706	1277081	pancreas specific transcription factor, 1a	Ptf1a	117034	1,26	up
6070458	7160706	1277079	pancreas specific transcription factor, 1a	Ptf1a	117034	1,17	down
6221850	7160706	1277081	pancreas specific transcription factor, 1a	Ptf1a	117034	1,15	down
5893181	7160706	1277078	pancreas specific transcription factor, 1a	Ptf1a	117034	1,14	up
6518426	7160706	1277078	pancreas specific transcription factor, 1a	Ptf1a	117034	1,08	up
6188884	7160706	1277082	pancreas specific transcription factor, 1a	Ptf1a	117034	1,05	up
6133294	7160706	1277080	pancreas specific transcription factor, 1a	Ptf1a	117034	1,02	down
6190247	7043626	994314	pancreatic lipase	Pnlip	25702	2,12	up
6031090	7043626	994313	pancreatic lipase	Pnlip	25702	1,87	down
5727815	7043626	994312	pancreatic lipase	Pnlip	25702	1,34	down
6160911	7043626	994313	pancreatic lipase	Pnlip	25702	1,25	down
6054173	7043626	994311	pancreatic lipase	Pnlip	25702	1,22	down
6717746	7043626	994318	pancreatic lipase	Pnlip	25702	1,14	up
6239032	7043626	994319	pancreatic lipase	Pnlip	25702	1,13	down
5873636	7043626	994316	pancreatic lipase	Pnlip	25702	1,11	up
5846402	7043626	994310	pancreatic lipase	Pnlip	25702	1,07	up
5751526	7043626	994309	pancreatic lipase	Pnlip	25702	1,07	up
6534000	7043626	994319	pancreatic lipase	Pnlip	25702	1,05	up
6188237	7043626	994317	pancreatic lipase	Pnlip	25702	1,05	down
5956735	7043626	994314	pancreatic lipase	Pnlip	25702	1,04	down
6165484	7043626	994315	pancreatic lipase	Pnlip	25702	1,03	down
6395259	7043626	994308	pancreatic lipase	Pnlip	25702	1,02	down
5934323	7043626	994320	pancreatic lipase	Pnlip	25702	1,01	up
6714277	7342396	1726028	Pannexin 1	Panx1	315435	2,79	up
5864294	7342396	1726032	Pannexin 1	Panx1	315435	2,08	down
6140956	7342396	1726033	Pannexin 1	Panx1	315435	1,78	down
6385664	7342396	1726030	Pannexin 1	Panx1	315435	1,45	up
6294106	7342396	1726033	Pannexin 1	Panx1	315435	1,15	up
5963518	7342396	1726033	Pannexin 1	Panx1	315435	1,13	down
6208362	7342396	1726029	Pannexin 1	Panx1	315435	1,13	up
5767787	7342396	1726027	Pannexin 1	Panx1	315435	1,08	down
6038356	7342396	1726031	Pannexin 1	Panx1	315435	1,06	down
6023120	7232709	1454531	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,41	down
5651710	7232709	1454531	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,32	up
6555507	7232709	1454538	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,20	down
5761079	7232709	1454533	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,15	up
6299620	7232709	1454539	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,14	down
5627503	7232709	1454526	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,14	down
5905736	7232709	1454532	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,13	down
6230414	7232709	1454533	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,10	up
6165943	7232709	1454526	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,05	down
6223268	7232709	1454526	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,04	up
6197164	7232709	1454531	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,03	down
5777571	7232709	1454535	pantothenate kinase 2 (Hallervorden-Spatz syndrome)	Pank2	296167	1,01	up
6083759	7126400	1192534	PARK2 co-regulated-like	Pacrgl	360947	2,26	down
5931503	7126400	1192524	PARK2 co-regulated-like	Pacrgl	360947	1,72	up
6185779	7126400	1192534	PARK2 co-regulated-like	Pacrgl	360947	1,28	up
6484617	7126400	1192534	PARK2 co-regulated-like	Pacrgl	360947	1,23	down
6066188	7365487	1782553	PAS domain containing serine/threonine kinase	Pask	301617	2,20	down

6666138	7365487	1782556	PAS domain containing serine/threonine kinase	Pask	301617	2,19	down
5953414	7365487	1782542	PAS domain containing serine/threonine kinase	Pask	301617	1,70	up
6699738	7365487	1782548	PAS domain containing serine/threonine kinase	Pask	301617	1,63	up
6719204	7365487	1782548	PAS domain containing serine/threonine kinase	Pask	301617	1,39	down
6490050	7365487	1782550	PAS domain containing serine/threonine kinase	Pask	301617	1,39	up
6236460	7365487	1782548	PAS domain containing serine/threonine kinase	Pask	301617	1,30	up
6720882	7365487	1782552	PAS domain containing serine/threonine kinase	Pask	301617	1,27	up
5701058	7365487	1782543	PAS domain containing serine/threonine kinase	Pask	301617	1,26	up
6412997	7365487	1782551	PAS domain containing serine/threonine kinase	Pask	301617	1,22	up
5740642	7365487	1782548	PAS domain containing serine/threonine kinase	Pask	301617	1,21	up
5625282	7365487	1782554	PAS domain containing serine/threonine kinase	Pask	301617	1,18	up
6205676	7365487	1782546	PAS domain containing serine/threonine kinase	Pask	301617	1,15	down
5785260	7365487	1782555	PAS domain containing serine/threonine kinase	Pask	301617	1,15	up
5672291	7365487	1782541	PAS domain containing serine/threonine kinase	Pask	301617	1,14	down
6537784	7365487	1782551	PAS domain containing serine/threonine kinase	Pask	301617	1,13	down
5999237	7365487	1782556	PAS domain containing serine/threonine kinase	Pask	301617	1,12	up
6647128	7365487	1782545	PAS domain containing serine/threonine kinase	Pask	301617	1,11	down
6638740	7365487	1782540	PAS domain containing serine/threonine kinase	Pask	301617	1,07	down
5799833	7365487	1782549	PAS domain containing serine/threonine kinase	Pask	301617	1,05	down
5663413	7365487	1782548	PAS domain containing serine/threonine kinase	Pask	301617	1,04	down
5985715	7365487	1782547	PAS domain containing serine/threonine kinase	Pask	301617	1,02	up
6128588	7365487	1782544	PAS domain containing serine/threonine kinase	Pask	301617	1,01	up
6487971	7319398	1670678	patatin-like phospholipase domain containing 3	Pnpla3	362972	2,12	up
5840877	7319398	1670685	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,93	down
5779238	7319398	1670683	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,52	down
6240865	7319398	1670684	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,49	down
6716284	7319398	1670682	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,43	up
5839989	7319398	1670679	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,42	up
6630525	7319398	1670687	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,19	down
6732485	7319398	1670679	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,17	up
6702261	7319398	1670679	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,15	down
6120678	7319398	1670686	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,07	down
6403967	7319398	1670679	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,07	up
6682980	7319398	1670680	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,06	down
6031795	7319398	1670681	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,04	down
6491991	7319398	1670686	patatin-like phospholipase domain containing 3	Pnpla3	362972	1,03	up
5832639	7330242	1695975	patatin-like phospholipase domain containing 5	Pnpla5	300108	2,53	up
6444153	7330242	1695983	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,88	down
6408402	7330242	1695977	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,59	up
5753406	7330242	1695980	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,47	up
6338887	7330242	1695977	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,37	up
5938754	7330242	1695975	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,28	down
6272012	7330242	1695981	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,19	down
6448076	7330242	1695978	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,13	up
5849251	7330242	1695975	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,12	down
6412308	7330242	1695979	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,09	down
6451436	7330242	1695978	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,07	down
6621925	7330242	1695982	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,04	up
6365764	7330242	1695976	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,04	down
6513719	7330242	1695983	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,03	up
5663801	7330242	1695975	patatin-like phospholipase domain containing 5	Pnpla5	300108	1,01	up
6487618	7225443	1435668	patatin-like phospholipase domain containing 7	Pnpla7	246246	2,94	down
6302097	7225443	1435701	patatin-like phospholipase domain containing 7	Pnpla7	246246	2,09	down
6201143	7225443	1435702	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,99	down
6470469	7225443	1435669	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,89	up
6302538	7225443	1435703	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,67	down
6491719	7225443	1435678	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,66	up

6090254	7225443	1435685	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,59	down
6399388	7225443	1435679	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,54	up
6231122	7225443	1435696	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,48	down
6139755	7225443	1435690	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,43	down
5755113	7225443	1435673	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,39	up
6567638	7225443	1435680	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,32	down
6595544	7225443	1435670	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,30	up
6710771	7225443	1435688	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,30	up
6746105	7225443	1435686	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,27	up
5736604	7225443	1435682	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,27	down
6330974	7225443	1435671	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,26	up
6383462	7225443	1435675	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,23	up
5859322	7225443	1435698	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,22	down
6739188	7225443	1435694	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,22	down
6410583	7225443	1435694	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,20	up
5845789	7225443	1435676	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,17	up
6132411	7225443	1435698	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,16	up
6418433	7225443	1435700	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,15	up
5995270	7225443	1435692	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,14	up
6322155	7225443	1435702	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,13	up
6498297	7225443	1435684	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,09	up
6506025	7225443	1435699	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,09	down
5646152	7225443	1435668	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,09	down
5687034	7225443	1435697	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,08	down
6324444	7225443	1435677	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,07	down
6112639	7225443	1435674	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,06	up
5989274	7225443	1435695	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,05	up
6575335	7225443	1435672	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,04	down
6711422	7225443	1435669	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,04	up
6671080	7225443	1435687	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,03	down
5877018	7225443	1435689	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,02	up
6052422	7225443	1435681	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,02	up
6221560	7225443	1435683	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,02	up
5712415	7225443	1435693	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,01	down
5940834	7225443	1435691	patatin-like phospholipase domain containing 7	Pnpla7	246246	1,01	down
6719482	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	2,07	up
5790955	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,99	up
5769638	7249388	1495901	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,61	down
6603896	7249388	1495894	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,58	up
6288520	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,44	up
5989007	7249388	1495883	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,43	up
6450246	7249388	1495888	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,42	down
6007140	7249388	1495903	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,42	up
6007971	7249388	1495908	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,41	up
5831703	7249388	1495893	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,38	down
5734906	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,37	up
6738166	7249388	1495891	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,32	down
6141195	7249388	1495905	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,25	down
6368076	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,24	up
5634242	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,21	up
6281294	7249388	1495900	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,19	down
6130208	7249388	1495891	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,15	up
6686584	7249388	1495892	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,11	down
6171551	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,10	down
6160204	7249388	1495904	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,10	up
6345433	7249388	1495901	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,09	down
5856640	7249388	1495907	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,07	up

6208103	7249388	1495898	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,06	up
5831597	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,06	up
6485737	7249388	1495906	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,06	up
6104945	7249388	1495886	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,05	down
6020841	7249388	1495889	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,04	up
6317784	7249388	1495896	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,01	up
6325958	7249388	1495895	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,01	up
5947702	7249388	1495902	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,01	up
5930958	7249388	1495891	PAX interacting (with transcription-activation domain) protein 1	Paxip1	311944	1,00	down
6416325	7118503	1173549	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,74	up
5851231	7118503	1173548	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,36	up
6083781	7118503	1173571	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,34	up
6291613	7118503	1173565	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,29	down
6328092	7118503	1173576	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,29	down
6015348	7118503	1173567	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,27	down
5948662	7118503	1173560	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,20	up
6619349	7118503	1173568	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,19	down
6565795	7118503	1173570	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,19	up
5709604	7118503	1173566	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,18	down
6197296	7118503	1173553	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,17	up
5726061	7118503	1173547	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,17	down
6135939	7118503	1173561	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,16	up
5693753	7118503	1173554	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,13	up
6414447	7118503	1173577	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,13	down
6137494	7118503	1173555	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,13	down
5822472	7118503	1173552	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,12	down
5882095	7118503	1173569	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,11	up
6570265	7118503	1173575	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,10	up
6694501	7118503	1173542	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,09	up
5758201	7118503	1173558	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,09	up
6483105	7118503	1173576	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,08	down
5820997	7118503	1173557	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,06	down
5817362	7118503	1173562	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,06	up
5998969	7118503	1173579	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,05	up
6156568	7118503	1173571	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,04	down
5681783	7118503	1173573	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,03	up
6621338	7118503	1173556	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,02	down
6114622	7118503	1173564	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,02	down
6158561	7118503	1173546	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,02	down
6161249	7118503	1173550	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,02	down
6350084	7118503	1173574	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,02	up
5694509	7118503	1173559	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,00	down
6441994	7118503	1173564	PDS5, regulator of cohesion maintenance, homolog A (S. cerevisiae)	Pds5a	305343	1,00	down
5877331	7155497	1264450	PDZ and LIM domain 7	Pdlim7	286908	2,15	down
6584342	7155497	1264444	PDZ and LIM domain 7	Pdlim7	286908	1,62	up
6302807	7155497	1264449	PDZ and LIM domain 7	Pdlim7	286908	1,46	up
5650445	7155497	1264451	PDZ and LIM domain 7	Pdlim7	286908	1,26	down
5897208	7155497	1264456	PDZ and LIM domain 7	Pdlim7	286908	1,18	down
6714536	7155497	1264455	PDZ and LIM domain 7	Pdlim7	286908	1,17	down
5809609	7155497	1264452	PDZ and LIM domain 7	Pdlim7	286908	1,16	up
6534589	7155497	1264453	PDZ and LIM domain 7	Pdlim7	286908	1,16	up
6364715	7155497	1264451	PDZ and LIM domain 7	Pdlim7	286908	1,11	up
5831589	7155497	1264445	PDZ and LIM domain 7	Pdlim7	286908	1,09	down
6292028	7155497	1264447	PDZ and LIM domain 7	Pdlim7	286908	1,08	down
6069115	7155497	1264454	PDZ and LIM domain 7	Pdlim7	286908	1,03	up
6707214	7155497	1264448	PDZ and LIM domain 7	Pdlim7	286908	1,03	up
6095958	7155497	1264446	PDZ and LIM domain 7	Pdlim7	286908	1,03	up

6494876	7155497	1264445	PDZ and LIM domain 7	Pdlim7	286908	1,00	up
6203045	7205216	1387715	PDZ domain containing 2	Pdzd2	65034	2,19	up
6245281	7205216	1387730	PDZ domain containing 2	Pdzd2	65034	1,66	up
6526776	7205216	1387722	PDZ domain containing 2	Pdzd2	65034	1,43	down
5855873	7205216	1387733	PDZ domain containing 2	Pdzd2	65034	1,42	down
5686329	7205216	1387725	PDZ domain containing 2	Pdzd2	65034	1,27	up
5768497	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,23	down
6649846	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,21	up
5812167	7205216	1387732	PDZ domain containing 2	Pdzd2	65034	1,21	down
6095462	7205216	1387723	PDZ domain containing 2	Pdzd2	65034	1,18	up
5747868	7205216	1387729	PDZ domain containing 2	Pdzd2	65034	1,17	down
6649124	7205216	1387724	PDZ domain containing 2	Pdzd2	65034	1,14	up
6018492	7205216	1387736	PDZ domain containing 2	Pdzd2	65034	1,11	up
6076570	7205216	1387719	PDZ domain containing 2	Pdzd2	65034	1,11	down
5903768	7205216	1387734	PDZ domain containing 2	Pdzd2	65034	1,11	up
6302536	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,11	down
6580938	7205216	1387717	PDZ domain containing 2	Pdzd2	65034	1,09	down
6410204	7205216	1387722	PDZ domain containing 2	Pdzd2	65034	1,09	down
6656462	7205216	1387731	PDZ domain containing 2	Pdzd2	65034	1,08	up
6453773	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,06	up
6205677	7205216	1387727	PDZ domain containing 2	Pdzd2	65034	1,05	up
6637593	7205216	1387722	PDZ domain containing 2	Pdzd2	65034	1,05	up
6746258	7205216	1387726	PDZ domain containing 2	Pdzd2	65034	1,04	up
5699619	7205216	1387716	PDZ domain containing 2	Pdzd2	65034	1,03	up
6441758	7205216	1387735	PDZ domain containing 2	Pdzd2	65034	1,03	down
6341925	7205216	1387720	PDZ domain containing 2	Pdzd2	65034	1,02	down
5922145	7205216	1387728	PDZ domain containing 2	Pdzd2	65034	1,02	up
6096748	7205216	1387736	PDZ domain containing 2	Pdzd2	65034	1,02	down
6531129	7205216	1387718	PDZ domain containing 2	Pdzd2	65034	1,02	up
5923303	7344702	1732139	PDZ domain containing 3	Pdzd3	500986	1,11	up
5908971	7267953	1542229	PDZ domain containing RING finger 3	Pdzm3	312607	1,70	down
5811369	7267953	1542229	PDZ domain containing RING finger 3	Pdzm3	312607	1,39	up
5826075	7267953	1542264	PDZ domain containing RING finger 3	Pdzm3	312607	1,37	up
5759705	7267953	1542229	PDZ domain containing RING finger 3	Pdzm3	312607	1,08	up
5948068	7320068	1672638	PDZ domain containing RING finger 4	Pdzm4	315250	1,45	down
6136716	7320068	1672605	PDZ domain containing RING finger 4	Pdzm4	315250	1,30	down
5697908	7320068	1672637	PDZ domain containing RING finger 4	Pdzm4	315250	1,30	down
5856754	7320068	1672606	PDZ domain containing RING finger 4	Pdzm4	315250	1,23	down
6628320	7320068	1672625	PDZ domain containing RING finger 4	Pdzm4	315250	1,20	down
5657616	7131119	1204428	pellino 2	Peli2	305835	2,49	down
5652064	7131119	1204455	pellino 2	Peli2	305835	1,83	up
6575182	7131119	1204451	pellino 2	Peli2	305835	1,57	down
6676085	7131119	1204454	pellino 2	Peli2	305835	1,54	up
6196689	7131119	1204455	pellino 2	Peli2	305835	1,19	down
5659830	7131119	1204438	pellino 2	Peli2	305835	1,18	up
6117229	7131119	1204453	pellino 2	Peli2	305835	1,13	up
5633848	7131119	1204429	pellino 2	Peli2	305835	1,07	down
6076717	7029306	959286	peptidoglycan recognition protein 1	Pglyrp1	84387	2,23	down
6620436	7029306	959282	peptidoglycan recognition protein 1	Pglyrp1	84387	1,24	up
6298811	7029306	959285	peptidoglycan recognition protein 1	Pglyrp1	84387	1,20	down
6202673	7029306	959283	peptidoglycan recognition protein 1	Pglyrp1	84387	1,19	down
5723762	7029306	959284	peptidoglycan recognition protein 1	Pglyrp1	84387	1,06	up
5742273	7292488	1602434	peptidyl arginine deiminase, type IV	Padi4	29512	2,24	up
6679323	7292488	1602430	peptidyl arginine deiminase, type IV	Padi4	29512	1,40	down
6506622	7292488	1602439	peptidyl arginine deiminase, type IV	Padi4	29512	1,40	down
6217845	7292488	1602437	peptidyl arginine deiminase, type IV	Padi4	29512	1,32	down
5756324	7292488	1602442	peptidyl arginine deiminase, type IV	Padi4	29512	1,31	up

5790488	7292488	1602441	peptidyl arginine deiminase, type IV	Padi4	29512	1,18	down
5774145	7292488	1602431	peptidyl arginine deiminase, type IV	Padi4	29512	1,16	down
6547647	7292488	1602433	peptidyl arginine deiminase, type IV	Padi4	29512	1,15	up
5727539	7292488	1602435	peptidyl arginine deiminase, type IV	Padi4	29512	1,13	down
6732922	7292488	1602440	peptidyl arginine deiminase, type IV	Padi4	29512	1,13	down
6089866	7292488	1602436	peptidyl arginine deiminase, type IV	Padi4	29512	1,09	down
5873085	7292488	1602429	peptidyl arginine deiminase, type IV	Padi4	29512	1,08	up
5906807	7292488	1602428	peptidyl arginine deiminase, type IV	Padi4	29512	1,04	up
6551620	7292488	1602427	peptidyl arginine deiminase, type IV	Padi4	29512	1,03	up
5707117	7292488	1602443	peptidyl arginine deiminase, type IV	Padi4	29512	1,03	down
5824688	7292488	1602438	peptidyl arginine deiminase, type IV	Padi4	29512	1,02	up
6746656	7292488	1602433	peptidyl arginine deiminase, type IV	Padi4	29512	1,02	up
5950256	7292488	1602432	peptidyl arginine deiminase, type IV	Padi4	29512	1,01	down
6593911	7358041	1764727	peptidylglycine alpha-amidating monooxygenase	Pam	25508	2,92	down
6588784	7358041	1764741	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,76	down
6661888	7358041	1764742	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,72	down
5648250	7358041	1764743	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,58	down
5889489	7358041	1764744	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,55	up
6161031	7358041	1764730	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,46	up
6316870	7358041	1764731	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,45	up
6586586	7358041	1764734	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,40	up
5985528	7358041	1764741	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,38	down
6273574	7358041	1764739	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,38	up
6738605	7358041	1764750	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,36	down
6246681	7358041	1764740	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,35	down
6576116	7358041	1764733	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,33	up
6060962	7358041	1764748	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,33	down
6300149	7358041	1764749	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,28	down
6517883	7358041	1764751	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,26	down
5789105	7358041	1764747	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,24	up
6051679	7358041	1764735	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,22	up
6689269	7358041	1764727	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,21	down
6274258	7358041	1764745	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,19	down
5790925	7358041	1764732	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,18	up
6534087	7358041	1764746	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,15	up
5850792	7358041	1764737	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,15	down
6404685	7358041	1764736	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,12	up
6674654	7358041	1764751	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,09	up
6221342	7358041	1764729	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,07	up
6344256	7358041	1764738	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,05	up
5625327	7358041	1764728	peptidylglycine alpha-amidating monooxygenase	Pam	25508	1,03	down
5997584	7290793	1598636	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	2,28	up
5812771	7290793	1598637	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,83	up
5789469	7290793	1598635	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,69	down
5846550	7290793	1598628	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,68	down
6419659	7290793	1598639	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,62	up
5674138	7290793	1598641	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,58	down
6021767	7290793	1598627	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,40	down
6114783	7290793	1598638	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,14	up
6419843	7290793	1598634	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,13	down
5743174	7290793	1598631	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,09	up
6308406	7290793	1598640	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,06	down
6541888	7290793	1598633	peptidylprolyl isomerase E (cyclophilin E)	Ppie	298508	1,00	down
6528524	7068987	1053598	period homolog 1 (Drosophila)	Per1	287422	1,66	up
6501904	7068987	1053603	period homolog 1 (Drosophila)	Per1	287422	1,59	down
5863315	7068987	1053608	period homolog 1 (Drosophila)	Per1	287422	1,44	up
6419706	7068987	1053589	period homolog 1 (Drosophila)	Per1	287422	1,38	down

6296682	7068987	1053590	period homolog 1 (Drosophila)	Per1	287422	1,35	down
6430179	7068987	1053588	period homolog 1 (Drosophila)	Per1	287422	1,33	up
6045729	7068987	1053599	period homolog 1 (Drosophila)	Per1	287422	1,32	up
6715150	7068987	1053596	period homolog 1 (Drosophila)	Per1	287422	1,32	up
6040478	7068987	1053594	period homolog 1 (Drosophila)	Per1	287422	1,29	up
5794948	7068987	1053604	period homolog 1 (Drosophila)	Per1	287422	1,28	down
6229343	7068987	1053608	period homolog 1 (Drosophila)	Per1	287422	1,23	down
6303263	7068987	1053604	period homolog 1 (Drosophila)	Per1	287422	1,22	down
6728170	7068987	1053607	period homolog 1 (Drosophila)	Per1	287422	1,18	down
6407126	7068987	1053603	period homolog 1 (Drosophila)	Per1	287422	1,16	down
5883886	7068987	1053595	period homolog 1 (Drosophila)	Per1	287422	1,15	up
6551565	7068987	1053606	period homolog 1 (Drosophila)	Per1	287422	1,14	up
6597229	7068987	1053608	period homolog 1 (Drosophila)	Per1	287422	1,14	up
6012822	7068987	1053588	period homolog 1 (Drosophila)	Per1	287422	1,13	up
5633929	7068987	1053592	period homolog 1 (Drosophila)	Per1	287422	1,13	up
6602366	7068987	1053597	period homolog 1 (Drosophila)	Per1	287422	1,13	up
5911234	7068987	1053605	period homolog 1 (Drosophila)	Per1	287422	1,13	down
6446422	7068987	1053592	period homolog 1 (Drosophila)	Per1	287422	1,12	down
6585118	7068987	1053591	period homolog 1 (Drosophila)	Per1	287422	1,09	up
6513012	7068987	1053601	period homolog 1 (Drosophila)	Per1	287422	1,09	down
6168444	7068987	1053602	period homolog 1 (Drosophila)	Per1	287422	1,07	up
6407288	7068987	1053600	period homolog 1 (Drosophila)	Per1	287422	1,02	up
5640228	7068987	1053593	period homolog 1 (Drosophila)	Per1	287422	1,01	down
5931199	7293385	1604643	period homolog 3 (Drosophila)	Per3	78962	2,28	up
6295215	7293385	1604645	period homolog 3 (Drosophila)	Per3	78962	1,78	up
5741944	7293385	1604647	period homolog 3 (Drosophila)	Per3	78962	1,74	down
5934652	7293385	1604644	period homolog 3 (Drosophila)	Per3	78962	1,64	down
5711795	7293385	1604654	period homolog 3 (Drosophila)	Per3	78962	1,55	down
6163680	7293385	1604656	period homolog 3 (Drosophila)	Per3	78962	1,42	up
6704687	7293385	1604641	period homolog 3 (Drosophila)	Per3	78962	1,42	down
6032121	7293385	1604650	period homolog 3 (Drosophila)	Per3	78962	1,30	down
5739241	7293385	1604649	period homolog 3 (Drosophila)	Per3	78962	1,28	up
6707581	7293385	1604642	period homolog 3 (Drosophila)	Per3	78962	1,27	down
6272465	7293385	1604653	period homolog 3 (Drosophila)	Per3	78962	1,24	up
6288786	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,23	down
6323758	7293385	1604657	period homolog 3 (Drosophila)	Per3	78962	1,21	up
5951808	7293385	1604640	period homolog 3 (Drosophila)	Per3	78962	1,17	down
6551611	7293385	1604641	period homolog 3 (Drosophila)	Per3	78962	1,16	down
6494027	7293385	1604644	period homolog 3 (Drosophila)	Per3	78962	1,13	up
6430352	7293385	1604648	period homolog 3 (Drosophila)	Per3	78962	1,11	up
6480290	7293385	1604647	period homolog 3 (Drosophila)	Per3	78962	1,09	up
6743949	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,08	down
5671251	7293385	1604644	period homolog 3 (Drosophila)	Per3	78962	1,07	up
5979038	7293385	1604652	period homolog 3 (Drosophila)	Per3	78962	1,06	down
6334224	7293385	1604655	period homolog 3 (Drosophila)	Per3	78962	1,04	up
6021486	7293385	1604645	period homolog 3 (Drosophila)	Per3	78962	1,03	up
5653740	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,03	up
6665480	7293385	1604646	period homolog 3 (Drosophila)	Per3	78962	1,03	up
6110176	7293385	1604660	period homolog 3 (Drosophila)	Per3	78962	1,03	down
5866159	7293385	1604651	period homolog 3 (Drosophila)	Per3	78962	1,02	down
6697550	7293385	1604658	period homolog 3 (Drosophila)	Per3	78962	1,02	down
5784134	7293385	1604659	period homolog 3 (Drosophila)	Per3	78962	1,01	up
5701700	7068510	1052193	peripheral myelin protein 22	Pmp22	24660	2,37	down
5819912	7068510	1052195	peripheral myelin protein 22	Pmp22	24660	1,56	up
6336367	7068510	1052192	peripheral myelin protein 22	Pmp22	24660	1,19	up
5799023	7068510	1052193	peripheral myelin protein 22	Pmp22	24660	1,19	up
6344872	7068510	1052196	peripheral myelin protein 22	Pmp22	24660	1,18	down

6216543	7068510	1052194	peripheral myelin protein 22	Pmp22	24660	1,12	up
6272129	7068510	1052197	peripheral myelin protein 22	Pmp22	24660	1,10	down
6233081	7280743	1574564	perlecan	LOC313641	313641	1,77	up
5726039	7280743	1574566	perlecan	LOC313641	313641	1,27	down
5963374	7280743	1574565	perlecan	LOC313641	313641	1,05	up
6322934	7375047	1809507	peroxiredoxin 4	Prdx4	85274	2,76	down
6656206	7375047	1809507	peroxiredoxin 4	Prdx4	85274	1,70	up
5646503	7375047	1809509	peroxiredoxin 4	Prdx4	85274	1,62	down
5965623	7375047	1809507	peroxiredoxin 4	Prdx4	85274	1,41	down
6278408	7375047	1809512	peroxiredoxin 4	Prdx4	85274	1,36	up
6025207	7375047	1809513	peroxiredoxin 4	Prdx4	85274	1,31	up
5855265	7375047	1809507	peroxiredoxin 4	Prdx4	85274	1,20	down
6159776	7375047	1809510	peroxiredoxin 4	Prdx4	85274	1,20	up
6233199	7375047	1809508	peroxiredoxin 4	Prdx4	85274	1,05	up
6408965	7375047	1809511	peroxiredoxin 4	Prdx4	85274	1,02	down
5853430	7375047	1809513	peroxiredoxin 4	Prdx4	85274	1,01	up
6313411	7197138	1367993	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,83	down
6097023	7197138	1367991	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,57	up
6301071	7197138	1367991	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,42	down
5649537	7197138	1367995	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,20	up
6115362	7197138	1367996	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,18	up
5945665	7197138	1367992	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,11	up
6183356	7197138	1367994	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,08	up
6270920	7197138	1367994	peroxisomal biogenesis factor 11 beta	Pex11b	310682	1,02	down
6312350	7293131	1604075	peroxisomal biogenesis factor 14	Pex14	64460	3,13	down
6372397	7293131	1604079	peroxisomal biogenesis factor 14	Pex14	64460	1,34	up
5961829	7293131	1604075	peroxisomal biogenesis factor 14	Pex14	64460	1,31	down
5784365	7293131	1604075	peroxisomal biogenesis factor 14	Pex14	64460	1,27	down
6109195	7293131	1604077	peroxisomal biogenesis factor 14	Pex14	64460	1,27	down
6447037	7293131	1604078	peroxisomal biogenesis factor 14	Pex14	64460	1,24	up
6509506	7293131	1604081	peroxisomal biogenesis factor 14	Pex14	64460	1,22	down
6125242	7293131	1604075	peroxisomal biogenesis factor 14	Pex14	64460	1,20	up
6558368	7293131	1604074	peroxisomal biogenesis factor 14	Pex14	64460	1,10	down
6002257	7293131	1604083	peroxisomal biogenesis factor 14	Pex14	64460	1,10	up
6672168	7293131	1604080	peroxisomal biogenesis factor 14	Pex14	64460	1,07	down
6280328	7293131	1604082	peroxisomal biogenesis factor 14	Pex14	64460	1,04	down
6746171	7293131	1604074	peroxisomal biogenesis factor 14	Pex14	64460	1,02	down
5773303	7293131	1604076	peroxisomal biogenesis factor 14	Pex14	64460	1,02	down
6448230	7293131	1604075	peroxisomal biogenesis factor 14	Pex14	64460	1,01	down
6597785	7293131	1604074	peroxisomal biogenesis factor 14	Pex14	64460	1,01	up
6563347	7044633	997365	peroxisomal biogenesis factor 7	Pex7	308718	2,02	down
5733497	7044633	997357	peroxisomal biogenesis factor 7	Pex7	308718	1,59	down
5629447	7044633	997361	peroxisomal biogenesis factor 7	Pex7	308718	1,49	down
6584155	7044633	997355	peroxisomal biogenesis factor 7	Pex7	308718	1,39	down
6568641	7044633	997366	peroxisomal biogenesis factor 7	Pex7	308718	1,34	up
6143360	7044633	997367	peroxisomal biogenesis factor 7	Pex7	308718	1,32	up
5726891	7044633	997358	peroxisomal biogenesis factor 7	Pex7	308718	1,25	down
5857756	7044633	997352	peroxisomal biogenesis factor 7	Pex7	308718	1,20	down
5936239	7044633	997353	peroxisomal biogenesis factor 7	Pex7	308718	1,12	down
6651600	7044633	997362	peroxisomal biogenesis factor 7	Pex7	308718	1,04	down
6085894	7044633	997352	peroxisomal biogenesis factor 7	Pex7	308718	1,04	up
6218496	7119257	1175290	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	2,49	down
5770095	7119257	1175289	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,57	down
6111364	7119257	1175285	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,40	up
6708738	7119257	1175287	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,31	down
6331503	7119257	1175291	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,26	down
6212728	7119257	1175286	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,22	up

5637601	7119257	1175284	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,20	up
6235542	7119257	1175293	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,19	down
6129965	7119257	1175294	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,16	down
6259392	7119257	1175290	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,14	down
6047230	7119257	1175282	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,14	up
6113826	7119257	1175283	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,11	down
5845674	7119257	1175292	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,02	down
6194391	7119257	1175288	peroxisome proliferator-activated receptor gamma, coactivator 1 alpha	Ppargc1a	83516	1,00	down
6420830	7042529	991600	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,51	down
5756202	7042529	991584	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,36	up
6215809	7042529	991593	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,35	up
6485131	7042529	991598	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,35	down
5639866	7042529	991597	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,27	up
6693051	7042529	991588	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,27	up
5692685	7042529	991588	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,24	up
5701545	7042529	991590	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,22	down
5698918	7042529	991594	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,22	up
6742755	7042529	991591	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,18	down
6631693	7042529	991582	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,17	up
5803856	7042529	991599	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,17	up
6505586	7042529	991589	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,16	up
6231932	7042529	991587	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,13	down
6503665	7042529	991585	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,03	down
5638231	7042529	991586	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,03	up
6206304	7042529	991588	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,02	up
5849066	7042529	991596	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,02	down
6173255	7042529	991589	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,02	down
5946480	7042529	991592	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,02	up
6376429	7042529	991589	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,02	down
5935103	7042529	991589	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,01	up
6637057	7042529	991589	peroxisome proliferator-activated receptor gamma, coactivator-related 1	Pprc1	294007	1,00	up
5767272	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	4,82	down
6397146	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	4,64	down
6718892	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	2,03	down
6742819	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,89	down
6233725	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,69	down
6600396	7103829	1137193	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,52	up
5760359	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,36	down
6155769	7103829	1137203	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,31	up
6046143	7103829	1137194	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,24	up
6556856	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,23	up
5761574	7103829	1137192	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,18	down
6451157	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,16	down
6596318	7103829	1137204	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,16	down
5839523	7103829	1137198	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,16	up
5948299	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,12	up
6376837	7103829	1137199	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,11	up
6372434	7103829	1137202	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,10	down
6211209	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,09	down
6670232	7103829	1137201	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,06	up
6143772	7103829	1137206	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,06	up
5899958	7103829	1137195	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,05	up
6139321	7103829	1137197	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,05	up
6311321	7103829	1137196	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,04	up
5649130	7103829	1137208	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,04	down
5841825	7103829	1137200	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,03	up
6326828	7103829	1137205	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,02	down

6079068	7103829	1137207	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,02	up
6726168	7103829	1137204	PH domain and leucine rich repeat protein phosphatase	Phlpp	59265	1,01	up
6236088	7180949	1327477	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	2,23	down
6510572	7180949	1327489	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,59	up
6266363	7180949	1327494	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,50	up
6679953	7180949	1327484	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,33	up
5999354	7180949	1327480	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,26	down
6249957	7180949	1327496	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,26	down
5970904	7180949	1327497	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,25	down
6475997	7180949	1327477	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,21	up
5848670	7180949	1327496	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,20	up
5724030	7180949	1327482	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,17	up
6743202	7180949	1327492	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,16	up
6075545	7180949	1327493	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,15	up
6447749	7180949	1327491	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,13	up
6604474	7180949	1327485	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,12	down
6276210	7180949	1327479	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,12	up
6720368	7180949	1327495	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,08	up
6070806	7180949	1327490	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,07	up
6644000	7180949	1327481	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,06	up
6084929	7180949	1327479	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,03	up
6634957	7180949	1327488	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,02	down
5967255	7180949	1327483	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,02	up
6686525	7180949	1327475	PH domain and leucine rich repeat protein phosphatase-like	Phlppi	498949	1,01	up
5643169	7138718	1222790	PHD finger protein 11	Phf11	361051	1,65	up
5887174	7138718	1222789	PHD finger protein 11	Phf11	361051	1,62	down
6294409	7138718	1222787	PHD finger protein 11	Phf11	361051	1,52	up
5651540	7138718	1222788	PHD finger protein 11	Phf11	361051	1,31	down
6543912	7138718	1222792	PHD finger protein 11	Phf11	361051	1,27	down
6266565	7138718	1222786	PHD finger protein 11	Phf11	361051	1,08	up
5989665	7138718	1222791	PHD finger protein 11	Phf11	361051	1,05	up
5641305	7138718	1222794	PHD finger protein 11	Phf11	361051	1,02	up
5665582	7138718	1222785	PHD finger protein 11-like /// PHD finger protein 11	Phf11 /// Phf11	364393 /// 361051	3,24	down
6687308	7138718	1222788	PHD finger protein 11-like /// PHD finger protein 11	Phf11 /// Phf11	364393 /// 361051	1,60	down
5844291	7138718	1222793	PHD finger protein 11-like /// PHD finger protein 11	Phf11 /// Phf11	364393 /// 361051	1,14	up
6374846	7138718	1222785	PHD finger protein 11-like /// PHD finger protein 11	Phf11 /// Phf11	364393 /// 361051	1,11	up
5745532	7193513	1359467	PHD finger protein 17	Phf17	310352	1,93	up
6565142	7193513	1359447	PHD finger protein 17	Phf17	310352	1,55	down
6439886	7193513	1359472	PHD finger protein 17	Phf17	310352	1,42	up
6337034	7193513	1359467	PHD finger protein 17	Phf17	310352	1,30	up
6097345	7193513	1359471	PHD finger protein 17	Phf17	310352	1,25	down
5629948	7193513	1359464	PHD finger protein 17	Phf17	310352	1,25	up
6083200	7193513	1359458	PHD finger protein 17	Phf17	310352	1,23	down
5957166	7193513	1359467	PHD finger protein 17	Phf17	310352	1,22	up
6602907	7193513	1359471	PHD finger protein 17	Phf17	310352	1,12	down
6677181	7193513	1359467	PHD finger protein 17	Phf17	310352	1,11	down
6361597	7193513	1359460	PHD finger protein 17	Phf17	310352	1,11	up
6217122	7193513	1359453	PHD finger protein 17	Phf17	310352	1,10	down
5982418	7193513	1359465	PHD finger protein 17	Phf17	310352	1,08	up
6399646	7193513	1359469	PHD finger protein 17	Phf17	310352	1,07	up
5982397	7193513	1359463	PHD finger protein 17	Phf17	310352	1,04	down
6412884	7193513	1359466	PHD finger protein 17	Phf17	310352	1,03	down
6242296	7317708	1666832	PHD finger protein 20-like 1	Phf2011	314964	1,82	up
5624217	7317708	1666820	PHD finger protein 20-like 1	Phf2011	314964	1,54	down
6368825	7317708	1666842	PHD finger protein 20-like 1	Phf2011	314964	1,50	down
6042894	7317708	1666825	PHD finger protein 20-like 1	Phf2011	314964	1,48	down
5639768	7317708	1666835	PHD finger protein 20-like 1	Phf2011	314964	1,43	down

5806690	7317708	1666831	PHD finger protein 20-like 1	Phf2011	314964	1,38	up
5774946	7317708	1666821	PHD finger protein 20-like 1	Phf2011	314964	1,37	down
6494210	7317708	1666845	PHD finger protein 20-like 1	Phf2011	314964	1,37	down
6291917	7317708	1666820	PHD finger protein 20-like 1	Phf2011	314964	1,33	down
6101364	7317708	1666824	PHD finger protein 20-like 1	Phf2011	314964	1,25	down
5702922	7317708	1666827	PHD finger protein 20-like 1	Phf2011	314964	1,25	down
5941386	7317708	1666836	PHD finger protein 20-like 1	Phf2011	314964	1,20	up
6341827	7317708	1666818	PHD finger protein 20-like 1	Phf2011	314964	1,18	down
6445373	7317708	1666827	PHD finger protein 20-like 1	Phf2011	314964	1,14	down
6330744	7317708	1666842	PHD finger protein 20-like 1	Phf2011	314964	1,13	down
6740570	7317708	1666834	PHD finger protein 20-like 1	Phf2011	314964	1,10	up
5882961	7317708	1666832	PHD finger protein 20-like 1	Phf2011	314964	1,09	down
6636750	7317708	1666839	PHD finger protein 20-like 1	Phf2011	314964	1,09	down
6549155	7317708	1666845	PHD finger protein 20-like 1	Phf2011	314964	1,04	up
6699067	7317708	1666823	PHD finger protein 20-like 1	Phf2011	314964	1,04	up
6637475	7317708	1666844	PHD finger protein 20-like 1	Phf2011	314964	1,04	down
5971832	7317708	1666822	PHD finger protein 20-like 1	Phf2011	314964	1,03	down
5723175	7317708	1666817	PHD finger protein 20-like 1 /// hypothetical protein LOC684713	if2011 /// LOC6847	314964 /// 684713	1,58	down
6732634	7312658	1653542	phosphatidic acid phosphatase type 2c	Ppap2c	246115	2,18	down
5632635	7312658	1653547	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,96	up
6250193	7312658	1653545	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,61	down
6476864	7312658	1653549	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,57	down
6480919	7312658	1653544	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,55	up
5738531	7312658	1653543	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,47	down
5980769	7312658	1653548	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,33	up
6443762	7312658	1653546	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,21	up
6506570	7312658	1653548	phosphatidic acid phosphatase type 2c	Ppap2c	246115	1,05	up
6375580	7081403	1082524	phosphatidylcholine transfer protein	Pctp	29510	2,59	down
5967719	7081403	1082522	phosphatidylcholine transfer protein	Pctp	29510	1,42	up
6429287	7081403	1082520	phosphatidylcholine transfer protein	Pctp	29510	1,36	up
5846423	7081403	1082525	phosphatidylcholine transfer protein	Pctp	29510	1,34	up
6646238	7081403	1082527	phosphatidylcholine transfer protein	Pctp	29510	1,10	up
5623103	7081403	1082523	phosphatidylcholine transfer protein	Pctp	29510	1,08	up
5987298	7081403	1082526	phosphatidylcholine transfer protein	Pctp	29510	1,07	up
5880774	7081403	1082521	phosphatidylcholine transfer protein	Pctp	29510	1,01	up
6154997	7081403	1082527	phosphatidylcholine transfer protein	Pctp	29510	1,01	up
6196703	7293234	1604337	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,96	up
6632982	7293234	1604342	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,87	down
6225695	7293234	1604347	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,76	down
6582257	7293234	1604334	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,63	up
6654854	7293234	1604335	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,50	down
6260484	7293234	1604346	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,41	up
5775398	7293234	1604345	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,37	down
6122624	7293234	1604327	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,35	up
5891886	7293234	1604328	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,34	down
6654324	7293234	1604354	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,33	down
6000474	7293234	1604341	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,20	up
5938306	7293234	1604324	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,14	up
6448351	7293234	1604335	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,13	up
5745684	7293234	1604345	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,11	down
6306317	7293234	1604344	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,11	up
6488100	7293234	1604335	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,09	down
6232806	7293234	1604331	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,08	up
6310607	7293234	1604332	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,08	down
5696066	7293234	1604345	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,08	up
6614206	7293234	1604329	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,07	up
6068552	7293234	1604339	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,05	up

6201710	7293234	1604340	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,05	up
5628724	7293234	1604343	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,04	up
5706737	7293234	1604333	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,04	up
6645178	7293234	1604330	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,03	down
5978814	7293234	1604338	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,02	up
5984688	7293234	1604327	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,02	up
5772144	7293234	1604325	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,01	down
6139864	7293234	1604347	phosphatidylinositol 3-kinase catalytic delta polypeptide	Pik3cd	366508	1,00	down
5745965	7381090	1822985	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	2,11	down
6338673	7381090	1822979	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,52	down
6235418	7381090	1822984	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,30	down
5768545	7381090	1822981	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,28	up
6525636	7381090	1822980	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,25	down
6242003	7381090	1822985	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,22	down
5989429	7381090	1822984	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,17	down
6210302	7381090	1822989	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,10	up
5994222	7381090	1822983	phosphatidylinositol glycan anchor biosynthesis, class A	Piga	363464	1,03	up
6125367	7091962	1107742	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,74	up
6516383	7091962	1107745	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,53	down
6098093	7091962	1107747	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,37	down
6449436	7091962	1107748	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,13	up
5708544	7091962	1107749	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,13	up
6276899	7091962	1107742	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,08	down
6630599	7091962	1107744	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,04	up
6174412	7091962	1107743	phosphatidylinositol glycan anchor biosynthesis, class P	Pigp	288238	1,02	down
5781637	7079958	1079457	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	2,54	up
5732922	7079958	1079445	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,65	up
5697253	7079958	1079446	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,42	down
5699960	7079958	1079445	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,34	up
6578335	7079958	1079451	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,31	down
6249241	7079958	1079450	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,18	down
6178364	7079958	1079448	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,18	up
5831628	7079958	1079449	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,15	down
6352199	7079958	1079447	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,10	down
5709373	7079958	1079452	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,08	up
6592291	7079958	1079445	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,08	up
6224759	7079958	1079453	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,07	down
5837719	7079958	1079454	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,07	up
5951820	7079958	1079456	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,03	down
5987319	7079958	1079446	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,02	down
5985174	7079958	1079455	phosphatidylinositol glycan anchor biosynthesis, class S	Pigs	303277	1,02	down
6573203	7280127	1573256	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	2,22	up
6232878	7280127	1573255	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,36	down
5639854	7280127	1573259	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,36	down
5639045	7280127	1573257	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,27	down
6016882	7280127	1573256	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,25	down
5787698	7280127	1573258	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,11	up
5730753	7280127	1573258	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,10	up
6472605	7280127	1573255	phosphatidylinositol glycan anchor biosynthesis, class V	Pigv	366478	1,01	up
6201629	7109730	1151723	phosphatidylinositol glycan, class N	Pign	309051	2,16	up
6035396	7109730	1151746	phosphatidylinositol glycan, class N	Pign	309051	1,69	down
6094307	7109730	1151700	phosphatidylinositol glycan, class N	Pign	309051	1,51	down
6302545	7109730	1151720	phosphatidylinositol glycan, class N	Pign	309051	1,49	down
5690814	7109730	1151699	phosphatidylinositol glycan, class N	Pign	309051	1,42	down
5922458	7109730	1151716	phosphatidylinositol glycan, class N	Pign	309051	1,41	up
5624121	7109730	1151748	phosphatidylinositol glycan, class N	Pign	309051	1,39	down
5998951	7109730	1151723	phosphatidylinositol glycan, class N	Pign	309051	1,36	up

6048587	7109730	1151741	phosphatidylinositol glycan, class N	Pign	309051	1,34	down
6740726	7109730	1151705	phosphatidylinositol glycan, class N	Pign	309051	1,34	up
6715431	7109730	1151715	phosphatidylinositol glycan, class N	Pign	309051	1,33	up
6419298	7109730	1151722	phosphatidylinositol glycan, class N	Pign	309051	1,32	down
6549609	7109730	1151712	phosphatidylinositol glycan, class N	Pign	309051	1,26	up
6542252	7109730	1151718	phosphatidylinositol glycan, class N	Pign	309051	1,24	down
6440891	7109730	1151724	phosphatidylinositol glycan, class N	Pign	309051	1,22	up
5752075	7109730	1151709	phosphatidylinositol glycan, class N	Pign	309051	1,20	up
6206091	7109730	1151711	phosphatidylinositol glycan, class N	Pign	309051	1,19	up
5665076	7109730	1151735	phosphatidylinositol glycan, class N	Pign	309051	1,19	down
5944310	7109730	1151740	phosphatidylinositol glycan, class N	Pign	309051	1,19	up
5801914	7109730	1151708	phosphatidylinositol glycan, class N	Pign	309051	1,18	down
6650695	7109730	1151739	phosphatidylinositol glycan, class N	Pign	309051	1,14	down
6519703	7109730	1151744	phosphatidylinositol glycan, class N	Pign	309051	1,13	up
5641846	7109730	1151747	phosphatidylinositol glycan, class N	Pign	309051	1,13	up
5734830	7109730	1151720	phosphatidylinositol glycan, class N	Pign	309051	1,12	up
6536277	7109730	1151744	phosphatidylinositol glycan, class N	Pign	309051	1,12	down
5973665	7109730	1151736	phosphatidylinositol glycan, class N	Pign	309051	1,10	down
6374327	7109730	1151734	phosphatidylinositol glycan, class N	Pign	309051	1,09	down
5821996	7109730	1151721	phosphatidylinositol glycan, class N	Pign	309051	1,08	up
5650861	7109730	1151742	phosphatidylinositol glycan, class N	Pign	309051	1,08	down
6496861	7109730	1151725	phosphatidylinositol glycan, class N	Pign	309051	1,08	down
6568889	7109730	1151737	phosphatidylinositol glycan, class N	Pign	309051	1,05	down
6215870	7109730	1151741	phosphatidylinositol glycan, class N	Pign	309051	1,00	down
6178516	7109730	1151738	phosphatidylinositol glycan, class N	Pign	309051	1,00	up
5684985	7326233	1686313	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	2,41	down
6085165	7326233	1686307	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,60	down
6163421	7326233	1686310	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,49	up
6404419	7326233	1686308	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,28	down
6544611	7326233	1686309	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,24	up
6673561	7326233	1686305	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,22	up
5845760	7326233	1686311	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,21	up
5747979	7326233	1686303	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,16	down
6566753	7326233	1686313	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,13	down
6092756	7326233	1686304	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,13	down
5800851	7326233	1686306	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,12	down
6351009	7326233	1686312	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,07	down
6302338	7326233	1686313	phosphatidylinositol-5-phosphate 4-kinase, type II, gamma	Pip4k2c	140607	1,03	up
5906864	7087965	1098014	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcx2	363781	4,42	up
6578784	7087965	1098012	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcx2	363781	3,70	up
6639264	7087965	1098000	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcx2	363781	3,52	up
5884507	7087965	1098014	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcx2	363781	2,36	up
6053646	7087965	1098014	phosphatidylinositol-specific phospholipase C, X domain containing 2	Plcx2	363781	2,36	up
6294114	7046605	1002433	phosphodiesterase 10A	Pde10a	63885	5,06	up
5830701	7046605	1002434	phosphodiesterase 10A	Pde10a	63885	1,88	up
5714377	7046605	1002420	phosphodiesterase 10A	Pde10a	63885	1,69	down
5914502	7046605	1002410	phosphodiesterase 10A	Pde10a	63885	1,46	down
5903829	7046605	1002411	phosphodiesterase 10A	Pde10a	63885	1,42	down
6329565	7046605	1002408	phosphodiesterase 10A	Pde10a	63885	1,36	down
6686013	7046605	1002425	phosphodiesterase 10A	Pde10a	63885	1,34	down
6732918	7046605	1002421	phosphodiesterase 10A	Pde10a	63885	1,28	down
5921428	7046605	1002425	phosphodiesterase 10A	Pde10a	63885	1,28	down
6527930	7046605	1002428	phosphodiesterase 10A	Pde10a	63885	1,24	up
6625205	7046605	1002432	phosphodiesterase 10A	Pde10a	63885	1,23	down
6660615	7046605	1002427	phosphodiesterase 10A	Pde10a	63885	1,21	up
6153282	7046605	1002419	phosphodiesterase 10A	Pde10a	63885	1,20	down
5979487	7046605	1002415	phosphodiesterase 10A	Pde10a	63885	1,18	up

6461699	7046605	1002424	phosphodiesterase 10A	Pde10a	63885	1,18	up
6126348	7046605	1002426	phosphodiesterase 10A	Pde10a	63885	1,16	down
6279270	7046605	1002416	phosphodiesterase 10A	Pde10a	63885	1,13	down
6300936	7046605	1002429	phosphodiesterase 10A	Pde10a	63885	1,12	down
5697356	7046605	1002423	phosphodiesterase 10A	Pde10a	63885	1,12	down
6346746	7046605	1002432	phosphodiesterase 10A	Pde10a	63885	1,11	up
6521290	7046605	1002413	phosphodiesterase 10A	Pde10a	63885	1,10	up
5666365	7046605	1002409	phosphodiesterase 10A	Pde10a	63885	1,09	down
6476448	7046605	1002425	phosphodiesterase 10A	Pde10a	63885	1,09	down
6280030	7046605	1002422	phosphodiesterase 10A	Pde10a	63885	1,09	down
5819433	7046605	1002417	phosphodiesterase 10A	Pde10a	63885	1,09	up
5625837	7046605	1002430	phosphodiesterase 10A	Pde10a	63885	1,08	up
5985102	7046605	1002409	phosphodiesterase 10A	Pde10a	63885	1,05	down
6382295	7046605	1002418	phosphodiesterase 10A	Pde10a	63885	1,05	up
6615165	7046605	1002417	phosphodiesterase 10A	Pde10a	63885	1,03	up
6736258	7046605	1002434	phosphodiesterase 10A	Pde10a	63885	1,03	up
6296595	7046605	1002412	phosphodiesterase 10A	Pde10a	63885	1,02	down
5649380	7046605	1002434	phosphodiesterase 10A	Pde10a	63885	1,02	down
5713441	7046605	1002414	phosphodiesterase 10A	Pde10a	63885	1,00	down
6621647	7034699	973073	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	2,13	up
6393671	7034699	973068	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,82	down
6013760	7034699	973083	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,72	down
5907010	7034699	973090	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,70	up
6423630	7034699	973093	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,58	down
6593937	7034699	973067	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,53	up
6295618	7034699	973078	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,52	up
6306226	7034699	973070	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,48	down
6590066	7034699	973071	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,46	up
6713965	7034699	973091	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,42	up
5840942	7034699	973087	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,34	up
6037901	7034699	973077	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,31	up
6375331	7034699	973080	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,30	down
6452317	7034699	973075	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,28	down
6287513	7034699	973067	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,26	down
6354095	7034699	973072	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,23	up
6120805	7034699	973094	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,21	down
6395289	7034699	973081	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,21	down
5747297	7034699	973096	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,18	up
5618309	7034699	973074	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,18	up
5844959	7034699	973082	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,14	up
6457824	7034699	973076	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,12	down
6298898	7034699	973085	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,11	up
5893866	7034699	973095	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,11	down
6166259	7034699	973092	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,11	up
5871727	7034699	973084	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,09	up
6465204	7034699	973089	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,06	up
5695774	7034699	973088	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,05	down
6372120	7034699	973069	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,04	up
5922654	7034699	973086	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,04	down
6130762	7034699	973079	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,04	up
5856577	7034699	973097	phosphodiesterase 2A, cGMP-stimulated	Pde2a	81743	1,03	up
6443535	7259555	1521492	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	2,51	up
5646991	7259555	1521488	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,72	up
6523635	7259555	1521489	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,46	up
6293211	7259555	1521493	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,45	down
5626743	7259555	1521482	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,44	up
6689285	7259555	1521481	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,44	up

5910407	7259555	1521491	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,32	up
6168363	7259555	1521490	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,27	down
5997053	7259555	1521486	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,26	up
6195979	7259555	1521481	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,23	down
6582228	7259555	1521483	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,22	down
6555303	7259555	1521484	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,20	up
5645651	7259555	1521494	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,20	down
6117475	7259555	1521480	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,17	down
6234932	7259555	1521492	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,15	up
6236238	7259555	1521487	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,11	down
6466307	7259555	1521485	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,03	down
6664806	7259555	1521479	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,02	down
6562731	7259555	1521482	phosphodiesterase 3A, cGMP inhibited	Pde3a	50678	1,01	down
6290425	7333487	1703684	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	2,80	up
6497646	7333487	1703678	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,95	down
5704413	7333487	1703691	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,93	down
6496108	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,65	up
6532784	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,60	down
6424578	7333487	1703685	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,54	down
5930127	7333487	1703688	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,51	down
5778064	7333487	1703685	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,45	up
5845406	7333487	1703689	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,31	down
6080168	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,21	down
6557599	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,19	down
5700069	7333487	1703683	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,18	up
6164558	7333487	1703685	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,18	down
6126920	7333487	1703679	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,15	down
6031486	7333487	1703681	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,14	up
6701371	7333487	1703682	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,13	down
5834669	7333487	1703687	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,13	down
6136216	7333487	1703680	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,04	up
6403505	7333487	1703678	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,04	up
6358190	7333487	1703686	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,03	up
5933129	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,01	down
6675233	7333487	1703690	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,00	up
6563180	7333487	1703679	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,00	down
6417773	7333487	1703692	phosphodiesterase 4A, cAMP-specific (phosphodiesterase E2 dunce homolog, Drosophila)	Pde4a	25638	1,00	up
6699410	7277759	1567292	phosphodiesterase 4B, cAMP specific	Pde4b	24626	2,55	down
5712865	7277759	1567302	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,85	up
6266258	7277759	1567296	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,77	up
6001387	7277759	1567285	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,75	up
6488365	7277759	1567301	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,70	up
6123551	7277759	1567286	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,66	down
6111022	7277759	1567289	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,52	down
6154821	7277759	1567291	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,47	down
5885466	7277759	1567287	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,41	down
6467152	7277759	1567299	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,40	up
6460041	7277759	1567297	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,32	up
6270200	7277759	1567300	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,31	up
6085196	7277759	1567287	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,27	down
5925936	7277759	1567289	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,24	down
6470740	7277759	1567290	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,23	down
6402312	7277759	1567285	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,21	down
5855624	7277759	1567302	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,17	up
5788829	7277759	1567288	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,14	down
6124327	7277759	1567294	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,09	down
6548090	7277759	1567284	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,08	down

6119476	7277759	1567295	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,08	up
6434995	7277759	1567298	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,05	down
6114203	7277759	1567293	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,05	up
5831036	7277759	1567288	phosphodiesterase 4B, cAMP specific	Pde4b	24626	1,03	up
6230974	7149817	1250311	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	2,76	down
6744853	7149817	1250305	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	2,32	up
6008344	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,97	up
6707333	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,74	up
5818753	7149817	1250308	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,60	up
5752152	7149817	1250306	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,59	up
6412552	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,43	down
6502661	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,31	down
6066581	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,27	down
6137443	7149817	1250310	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,16	down
6740920	7149817	1250312	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,15	up
5855916	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,12	down
5752199	7149817	1250313	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,11	down
5716680	7149817	1250304	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,10	down
5959089	7149817	1250309	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,09	up
6675002	7149817	1250307	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,05	up
6446699	7149817	1250310	phosphodiesterase 4C, cAMP-specific (phosphodiesterase E1 dunce homolog, Drosophila)	Pde4c	290646	1,04	up
6563651	7211830	1402901	phosphodiesterase 4D interacting protein	Pde4dip	64183	2,68	down
6355482	7211830	1402908	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,82	down
6517113	7211830	1402943	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,81	up
6046486	7211830	1402915	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,68	down
6163054	7211830	1402904	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,54	down
5939051	7211830	1402941	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,51	up
5833638	7211830	1402933	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,48	down
6316253	7211830	1402913	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,47	up
6076880	7211830	1402926	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,38	up
6601650	7211830	1402927	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,37	up
5933034	7211830	1402907	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,28	up
6247996	7211830	1402920	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,28	down
5866781	7211830	1402900	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,27	up
5698631	7211830	1402919	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,25	down
6155378	7211830	1402906	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,25	down
6362171	7211830	1402935	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,24	up
5756697	7211830	1402909	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,24	up
6396842	7211830	1402938	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,20	down
5790389	7211830	1402918	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,19	up
6016032	7211830	1402928	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,19	up
6543923	7211830	1402925	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,17	down
6019538	7211830	1402942	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,17	down
5748144	7211830	1402905	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,15	down
5717943	7211830	1402923	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,14	down
5929171	7211830	1402939	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,14	up
6656695	7211830	1402922	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,14	down
5844836	7211830	1402911	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,13	up
5982387	7211830	1402931	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,12	down
6708289	7211830	1402921	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,10	down
6567655	7211830	1402940	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,10	down
6289931	7211830	1402930	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,09	down
5833450	7211830	1402937	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,08	down
5737276	7211830	1402914	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,08	up
6093195	7211830	1402910	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,07	up
6480212	7211830	1402921	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,07	up
6287075	7211830	1402932	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up

6044526	7211830	1402929	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up
5895158	7211830	1402943	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up
6467722	7211830	1402902	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,06	up
6016691	7211830	1402926	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,04	up
6730211	7211830	1402917	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
6058474	7211830	1402903	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
6216397	7211830	1402912	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,03	up
5632325	7211830	1402934	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,02	up
6387259	7211830	1402936	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,02	down
5746365	7211830	1402929	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,01	up
5717694	7211830	1402924	phosphodiesterase 4D interacting protein	Pde4dip	64183	1,00	up
6353173	7189455	1348332	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	2,58	up
5924374	7189455	1348385	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	2,28	down
5785403	7189455	1348348	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,79	up
6615219	7189455	1348332	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,52	up
5712108	7189455	1348381	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,46	up
6353802	7189455	1348386	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,38	down
6028695	7189455	1348381	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,35	down
6115462	7189455	1348355	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,26	down
6111242	7189455	1348386	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,21	down
5833486	7189455	1348364	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,14	up
6310592	7189455	1348362	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,11	down
5628658	7189455	1348381	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,08	up
6234424	7189455	1348387	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,03	up
5633597	7189455	1348363	phosphodiesterase 4D, cAMP-specific (phosphodiesterase E3 dunce homolog, Drosophila)	Pde4d	24627	1,02	up
6547213	7159327	1273663	phosphofructokinase, platelet	Pfkip	60416	2,41	down
6463655	7159327	1273669	phosphofructokinase, platelet	Pfkip	60416	1,70	down
6249589	7159327	1273663	phosphofructokinase, platelet	Pfkip	60416	1,70	down
6258641	7159327	1273685	phosphofructokinase, platelet	Pfkip	60416	1,52	up
5947927	7159327	1273672	phosphofructokinase, platelet	Pfkip	60416	1,49	down
6126684	7159327	1273682	phosphofructokinase, platelet	Pfkip	60416	1,37	down
6149602	7159327	1273676	phosphofructokinase, platelet	Pfkip	60416	1,30	up
6684310	7159327	1273682	phosphofructokinase, platelet	Pfkip	60416	1,29	down
6167662	7159327	1273677	phosphofructokinase, platelet	Pfkip	60416	1,29	down
6520969	7159327	1273681	phosphofructokinase, platelet	Pfkip	60416	1,22	up
5796808	7159327	1273668	phosphofructokinase, platelet	Pfkip	60416	1,20	up
5966682	7159327	1273666	phosphofructokinase, platelet	Pfkip	60416	1,14	up
5761463	7159327	1273680	phosphofructokinase, platelet	Pfkip	60416	1,12	up
6522486	7159327	1273686	phosphofructokinase, platelet	Pfkip	60416	1,11	up
5809190	7159327	1273665	phosphofructokinase, platelet	Pfkip	60416	1,11	up
5972657	7159327	1273679	phosphofructokinase, platelet	Pfkip	60416	1,11	down
5926358	7159327	1273667	phosphofructokinase, platelet	Pfkip	60416	1,08	up
6073134	7159327	1273671	phosphofructokinase, platelet	Pfkip	60416	1,08	up
6648668	7159327	1273678	phosphofructokinase, platelet	Pfkip	60416	1,06	up
6013668	7159327	1273664	phosphofructokinase, platelet	Pfkip	60416	1,06	up
6295804	7159327	1273670	phosphofructokinase, platelet	Pfkip	60416	1,05	down
6581130	7159327	1273683	phosphofructokinase, platelet	Pfkip	60416	1,05	up
6351955	7159327	1273675	phosphofructokinase, platelet	Pfkip	60416	1,05	up
6119632	7159327	1273684	phosphofructokinase, platelet	Pfkip	60416	1,03	down
6361354	7159327	1273673	phosphofructokinase, platelet	Pfkip	60416	1,01	down
6223738	7159327	1273674	phosphofructokinase, platelet	Pfkip	60416	1,00	down
6186538	7352525	1751133	phosphoglycerate kinase 2	Pgk2	316265	2,06	up
5844246	7352525	1751135	phosphoglycerate kinase 2	Pgk2	316265	1,44	down
5688876	7352525	1751134	phosphoglycerate kinase 2	Pgk2	316265	1,11	down
5917970	7352525	1751135	phosphoglycerate kinase 2	Pgk2	316265	1,00	down
6446736	7352525	1751135	phosphoglycerate kinase 2	Pgk2	316265	1,00	down
5660623	7099311	1126146	phosphoglycerate mutase family member 5	Pgam5	288731	2,40	down

6060935	7099311	1126146	phosphoglycerate mutase family member 5	Pgam5	288731	1,35	up
6148851	7099311	1126148	phosphoglycerate mutase family member 5	Pgam5	288731	1,06	up
6740567	7099311	1126147	phosphoglycerate mutase family member 5	Pgam5	288731	1,05	down
5868200	7099311	1126150	phosphoglycerate mutase family member 5	Pgam5	288731	1,05	down
6126427	7099311	1126151	phosphoglycerate mutase family member 5	Pgam5	288731	1,04	down
6564265	7099311	1126147	phosphoglycerate mutase family member 5	Pgam5	288731	1,04	down
6163316	7099311	1126151	phosphoglycerate mutase family member 5	Pgam5	288731	1,03	down
6240903	7099311	1126149	phosphoglycerate mutase family member 5	Pgam5	288731	1,02	up
6111090	7105066	1140365	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	2,81	up
6640546	7105066	1140366	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	2,60	up
6600200	7105066	1140361	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,96	down
6078220	7105066	1140349	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,91	up
5802252	7105066	1140343	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,87	up
6736450	7105066	1140348	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,76	up
5846154	7105066	1140330	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,54	down
5623365	7105066	1140341	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,51	down
6182560	7105066	1140354	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,44	up
5654011	7105066	1140356	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,44	down
6712801	7105066	1140346	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,37	down
6521624	7105066	1140339	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,37	down
6337695	7105066	1140359	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,35	down
6518347	7105066	1140360	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,33	down
5695450	7105066	1140350	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,30	up
5836429	7105066	1140330	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,30	up
6126309	7105066	1140337	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,30	down
6020722	7105066	1140338	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,29	down
6068041	7105066	1140335	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,27	down
5995010	7105066	1140352	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,26	up
5903318	7105066	1140344	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,23	up
5745120	7105066	1140362	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,19	down
5762211	7105066	1140355	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,18	down
5979890	7105066	1140327	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,17	up
6695567	7105066	1140358	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,14	up
6192569	7105066	1140336	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,12	up
6232341	7105066	1140342	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,07	up
6547830	7105066	1140363	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,05	down
6514872	7105066	1140357	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,03	down
6070905	7105066	1140333	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,03	up
6277365	7105066	1140364	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,03	down
6675703	7105066	1140351	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,01	down
6183602	7105066	1140334	phosphoinositide-3-kinase, class 2, beta polypeptide	Pik3c2b	289021	1,00	down
5850016	7068942	1053393	phosphoinositide-3-kinase, regulatory subunit 5	Pik3r5	497931	1,02	up
5955960	7068942	1053393	phosphoinositide-3-kinase, regulatory subunit 5	Pik3r5	497931	1,01	down
6213125	7231655	1451913	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,45	down
5935993	7231655	1451919	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,42	up
6349333	7231655	1451923	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,38	down
6250420	7231655	1451931	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,38	up
6581028	7231655	1451918	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,34	up
6273314	7231655	1451915	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,29	down
6467004	7231655	1451920	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,27	up
6732884	7231655	1451926	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,26	up
6332200	7231655	1451920	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,24	up
6257434	7231655	1451914	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,20	up
6396025	7231655	1451921	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,18	down
5850116	7231655	1451927	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,18	up
6346304	7231655	1451915	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,15	up
6718745	7231655	1451916	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,12	up

5625118	7231655	1451932	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,12	up
5982165	7231655	1451928	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,11	up
6439625	7231655	1451922	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,10	down
6052009	7231655	1451917	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,09	up
6461842	7231655	1451924	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,07	up
6605456	7231655	1451920	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,07	up
5926676	7231655	1451931	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,05	down
6727762	7231655	1451925	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,03	up
5799278	7231655	1451932	phospholipase A2, group IVB (cytosolic)	Pla2g4b	311341	1,02	up
5923631	7303805	1632076	phospholipase B	Phlpb	192259	2,31	down
5629184	7303805	1632105	phospholipase B	Phlpb	192259	1,98	down
5740589	7303805	1632110	phospholipase B	Phlpb	192259	1,78	down
5707009	7303805	1632072	phospholipase B	Phlpb	192259	1,59	down
5700128	7303805	1632068	phospholipase B	Phlpb	192259	1,56	down
5915432	7303805	1632091	phospholipase B	Phlpb	192259	1,54	down
6281957	7303805	1632083	phospholipase B	Phlpb	192259	1,53	up
6269941	7303805	1632095	phospholipase B	Phlpb	192259	1,52	down
5706081	7303805	1632096	phospholipase B	Phlpb	192259	1,51	up
6520816	7303805	1632087	phospholipase B	Phlpb	192259	1,46	up
6425650	7303805	1632071	phospholipase B	Phlpb	192259	1,41	up
6744568	7303805	1632107	phospholipase B	Phlpb	192259	1,38	down
5631713	7303805	1632097	phospholipase B	Phlpb	192259	1,36	up
5703098	7303805	1632078	phospholipase B	Phlpb	192259	1,26	down
6053904	7303805	1632080	phospholipase B	Phlpb	192259	1,25	down
5793291	7303805	1632070	phospholipase B	Phlpb	192259	1,22	down
6428530	7303805	1632084	phospholipase B	Phlpb	192259	1,21	down
5792817	7303805	1632089	phospholipase B	Phlpb	192259	1,20	up
5731881	7303805	1632116	phospholipase B	Phlpb	192259	1,20	down
6221666	7303805	1632106	phospholipase B	Phlpb	192259	1,19	down
6703156	7303805	1632094	phospholipase B	Phlpb	192259	1,19	down
6731246	7303805	1632077	phospholipase B	Phlpb	192259	1,19	up
5922639	7303805	1632063	phospholipase B	Phlpb	192259	1,18	down
6545176	7303805	1632101	phospholipase B	Phlpb	192259	1,17	up
6137092	7303805	1632064	phospholipase B	Phlpb	192259	1,17	down
6459068	7303805	1632114	phospholipase B	Phlpb	192259	1,16	down
5970961	7303805	1632085	phospholipase B	Phlpb	192259	1,15	up
5723270	7303805	1632063	phospholipase B	Phlpb	192259	1,12	down
5678278	7303805	1632103	phospholipase B	Phlpb	192259	1,12	up
6733497	7303805	1632069	phospholipase B	Phlpb	192259	1,10	down
5619910	7303805	1632088	phospholipase B	Phlpb	192259	1,10	up
6667723	7303805	1632092	phospholipase B	Phlpb	192259	1,09	down
6186302	7303805	1632075	phospholipase B	Phlpb	192259	1,08	up
6412407	7303805	1632108	phospholipase B	Phlpb	192259	1,08	up
6651033	7303805	1632082	phospholipase B	Phlpb	192259	1,07	down
6698018	7303805	1632104	phospholipase B	Phlpb	192259	1,07	down
6323458	7303805	1632100	phospholipase B	Phlpb	192259	1,06	down
6210127	7303805	1632073	phospholipase B	Phlpb	192259	1,05	up
6049671	7303805	1632081	phospholipase B	Phlpb	192259	1,05	down
6061164	7303805	1632074	phospholipase B	Phlpb	192259	1,04	down
6122954	7303805	1632066	phospholipase B	Phlpb	192259	1,02	up
5694519	7303805	1632109	phospholipase B	Phlpb	192259	1,02	up
6218325	7303805	1632102	phospholipase B	Phlpb	192259	1,02	down
5949745	7303805	1632112	phospholipase B	Phlpb	192259	1,02	down
5823338	7303805	1632086	phospholipase B	Phlpb	192259	1,02	down
6422625	7303805	1632065	phospholipase B	Phlpb	192259	1,01	up
6655129	7303805	1632079	phospholipase B	Phlpb	192259	1,01	up
6146892	7303805	1632093	phospholipase B	Phlpb	192259	1,01	up

6253417	7303805	1632099	phospholipase B	Phlpb	192259	1,01	up
6431143	7303805	1632090	phospholipase B	Phlpb	192259	1,01	up
5942921	7303805	1632067	phospholipase B	Phlpb	192259	1,00	up
6013552	7303805	1632115	phospholipase B	Phlpb	192259	1,00	up
6496619	7303805	1632111	phospholipase B	Phlpb	192259	1,00	up
6448546	7303805	1632113	phospholipase B	Phlpb	192259	1,00	up
6115909	7232958	1455318	phospholipase C, beta 4	Plcb4	25031	2,12	up
5748228	7232958	1455319	phospholipase C, beta 4	Plcb4	25031	2,02	up
5985401	7232958	1455298	phospholipase C, beta 4	Plcb4	25031	1,94	up
6559245	7232958	1455314	phospholipase C, beta 4	Plcb4	25031	1,93	up
6573280	7232958	1455302	phospholipase C, beta 4	Plcb4	25031	1,60	up
6512740	7232958	1455286	phospholipase C, beta 4	Plcb4	25031	1,59	up
6385960	7232958	1455298	phospholipase C, beta 4	Plcb4	25031	1,56	up
5852465	7232958	1455316	phospholipase C, beta 4	Plcb4	25031	1,53	up
5888155	7232958	1455311	phospholipase C, beta 4	Plcb4	25031	1,47	down
6086039	7232958	1455299	phospholipase C, beta 4	Plcb4	25031	1,44	down
6079302	7232958	1455324	phospholipase C, beta 4	Plcb4	25031	1,42	down
5779949	7232958	1455313	phospholipase C, beta 4	Plcb4	25031	1,37	down
6293009	7232958	1455310	phospholipase C, beta 4	Plcb4	25031	1,36	down
6034868	7232958	1455320	phospholipase C, beta 4	Plcb4	25031	1,32	up
6575867	7232958	1455294	phospholipase C, beta 4	Plcb4	25031	1,30	down
5863610	7232958	1455305	phospholipase C, beta 4	Plcb4	25031	1,30	up
6588333	7232958	1455293	phospholipase C, beta 4	Plcb4	25031	1,25	up
5935980	7232958	1455308	phospholipase C, beta 4	Plcb4	25031	1,25	down
6418647	7232958	1455312	phospholipase C, beta 4	Plcb4	25031	1,25	up
6702831	7232958	1455295	phospholipase C, beta 4	Plcb4	25031	1,25	down
6030624	7232958	1455292	phospholipase C, beta 4	Plcb4	25031	1,24	down
6112655	7232958	1455289	phospholipase C, beta 4	Plcb4	25031	1,23	up
6213803	7232958	1455321	phospholipase C, beta 4	Plcb4	25031	1,22	down
6289313	7232958	1455319	phospholipase C, beta 4	Plcb4	25031	1,22	up
6265578	7232958	1455288	phospholipase C, beta 4	Plcb4	25031	1,21	up
6448124	7232958	1455317	phospholipase C, beta 4	Plcb4	25031	1,21	down
6304671	7232958	1455300	phospholipase C, beta 4	Plcb4	25031	1,15	up
5775003	7232958	1455291	phospholipase C, beta 4	Plcb4	25031	1,15	up
6424782	7232958	1455303	phospholipase C, beta 4	Plcb4	25031	1,15	down
6546873	7232958	1455296	phospholipase C, beta 4	Plcb4	25031	1,13	down
6213855	7232958	1455297	phospholipase C, beta 4	Plcb4	25031	1,13	up
6031727	7232958	1455315	phospholipase C, beta 4	Plcb4	25031	1,12	up
6367307	7232958	1455325	phospholipase C, beta 4	Plcb4	25031	1,10	down
6275915	7232958	1455309	phospholipase C, beta 4	Plcb4	25031	1,09	down
6009958	7232958	1455290	phospholipase C, beta 4	Plcb4	25031	1,08	up
6297471	7232958	1455304	phospholipase C, beta 4	Plcb4	25031	1,06	up
5942257	7232958	1455307	phospholipase C, beta 4	Plcb4	25031	1,05	up
6406100	7232958	1455306	phospholipase C, beta 4	Plcb4	25031	1,04	down
5927267	7232958	1455323	phospholipase C, beta 4	Plcb4	25031	1,01	down
6021146	7350833	1746947	phospholipase C, delta 1	Plcd1	24655	2,37	up
6607534	7350833	1746952	phospholipase C, delta 1	Plcd1	24655	1,43	down
5899061	7350833	1746945	phospholipase C, delta 1	Plcd1	24655	1,21	up
6355973	7350833	1746957	phospholipase C, delta 1	Plcd1	24655	1,20	down
6059567	7350833	1746957	phospholipase C, delta 1	Plcd1	24655	1,19	down
6154502	7350833	1746954	phospholipase C, delta 1	Plcd1	24655	1,17	up
6407027	7350833	1746943	phospholipase C, delta 1	Plcd1	24655	1,14	up
5906039	7350833	1746950	phospholipase C, delta 1	Plcd1	24655	1,14	up
6444418	7350833	1746946	phospholipase C, delta 1	Plcd1	24655	1,11	up
6006429	7350833	1746944	phospholipase C, delta 1	Plcd1	24655	1,11	up
6241576	7350833	1746948	phospholipase C, delta 1	Plcd1	24655	1,07	down
6086018	7350833	1746956	phospholipase C, delta 1	Plcd1	24655	1,06	down

6053822	7350833	1746955	phospholipase C, delta 1	Plcd1	24655	1,06	down
5909302	7350833	1746951	phospholipase C, delta 1	Plcd1	24655	1,04	up
6436629	7350833	1746953	phospholipase C, delta 1	Plcd1	24655	1,02	up
5741202	7350833	1746949	phospholipase C, delta 1	Plcd1	24655	1,01	down
6070444	7350833	1746942	phospholipase C, delta 1	Plcd1	24655	1,00	up
5827827	7192686	1357077	phospholipase D1	Pld1	25096	2,15	down
6466272	7192686	1357067	phospholipase D1	Pld1	25096	1,79	down
6728127	7192686	1357068	phospholipase D1	Pld1	25096	1,72	down
6386942	7192686	1357080	phospholipase D1	Pld1	25096	1,66	up
5998127	7192686	1357056	phospholipase D1	Pld1	25096	1,60	down
6317333	7192686	1357067	phospholipase D1	Pld1	25096	1,51	up
5661654	7192686	1357060	phospholipase D1	Pld1	25096	1,46	down
6110405	7192686	1357057	phospholipase D1	Pld1	25096	1,42	down
5800153	7192686	1357052	phospholipase D1	Pld1	25096	1,41	up
6501399	7192686	1357073	phospholipase D1	Pld1	25096	1,27	down
5799568	7192686	1357067	phospholipase D1	Pld1	25096	1,25	down
6723422	7192686	1357062	phospholipase D1	Pld1	25096	1,24	up
6390091	7192686	1357068	phospholipase D1	Pld1	25096	1,23	up
6457293	7192686	1357070	phospholipase D1	Pld1	25096	1,22	up
5879492	7192686	1357061	phospholipase D1	Pld1	25096	1,20	up
5938019	7192686	1357053	phospholipase D1	Pld1	25096	1,19	up
6375507	7192686	1357054	phospholipase D1	Pld1	25096	1,18	up
5792004	7192686	1357058	phospholipase D1	Pld1	25096	1,16	down
6004603	7192686	1357054	phospholipase D1	Pld1	25096	1,15	up
5644603	7192686	1357075	phospholipase D1	Pld1	25096	1,14	up
5644924	7192686	1357069	phospholipase D1	Pld1	25096	1,12	up
6193848	7192686	1357059	phospholipase D1	Pld1	25096	1,11	up
6570708	7192686	1357055	phospholipase D1	Pld1	25096	1,09	up
6189213	7192686	1357074	phospholipase D1	Pld1	25096	1,09	up
6461290	7192686	1357063	phospholipase D1	Pld1	25096	1,08	up
5665870	7192686	1357053	phospholipase D1	Pld1	25096	1,07	up
6166334	7192686	1357065	phospholipase D1	Pld1	25096	1,06	down
6195614	7192686	1357053	phospholipase D1	Pld1	25096	1,06	up
6227978	7192686	1357064	phospholipase D1	Pld1	25096	1,06	up
6232032	7192686	1357071	phospholipase D1	Pld1	25096	1,05	up
6200903	7192686	1357066	phospholipase D1	Pld1	25096	1,03	down
6701616	7192686	1357079	phospholipase D1	Pld1	25096	1,03	up
5861102	7192686	1357072	phospholipase D1	Pld1	25096	1,03	down
6719106	7192686	1357078	phospholipase D1	Pld1	25096	1,02	up
6440657	7192686	1357053	phospholipase D1	Pld1	25096	1,01	up
6244803	7192686	1357076	phospholipase D1	Pld1	25096	1,01	up
5831468	7069249	1054113	phospholipase D2	Pld2	25097	2,87	up
6671586	7069249	1054120	phospholipase D2	Pld2	25097	2,38	down
5843529	7069249	1054137	phospholipase D2	Pld2	25097	1,76	down
6140230	7069249	1054124	phospholipase D2	Pld2	25097	1,61	up
5946052	7069249	1054126	phospholipase D2	Pld2	25097	1,58	up
6285670	7069249	1054116	phospholipase D2	Pld2	25097	1,51	up
6060815	7069249	1054122	phospholipase D2	Pld2	25097	1,47	down
6358363	7069249	1054133	phospholipase D2	Pld2	25097	1,45	up
6554508	7069249	1054134	phospholipase D2	Pld2	25097	1,38	down
6138822	7069249	1054115	phospholipase D2	Pld2	25097	1,34	down
6093249	7069249	1054127	phospholipase D2	Pld2	25097	1,31	up
5968724	7069249	1054119	phospholipase D2	Pld2	25097	1,29	down
6137283	7069249	1054125	phospholipase D2	Pld2	25097	1,28	up
5669761	7069249	1054132	phospholipase D2	Pld2	25097	1,21	up
5865708	7069249	1054118	phospholipase D2	Pld2	25097	1,20	up
6674700	7069249	1054130	phospholipase D2	Pld2	25097	1,17	up

6491313	7069249	1054117	phospholipase D2	Pld2	25097	1,13	down
5996236	7069249	1054114	phospholipase D2	Pld2	25097	1,12	up
6451106	7069249	1054127	phospholipase D2	Pld2	25097	1,12	up
5889213	7069249	1054135	phospholipase D2	Pld2	25097	1,11	up
6539879	7069249	1054129	phospholipase D2	Pld2	25097	1,09	down
6597561	7069249	1054113	phospholipase D2	Pld2	25097	1,05	down
6249994	7069249	1054121	phospholipase D2	Pld2	25097	1,05	up
6407857	7069249	1054136	phospholipase D2	Pld2	25097	1,05	down
6603681	7069249	1054123	phospholipase D2	Pld2	25097	1,05	up
6006736	7069249	1054131	phospholipase D2	Pld2	25097	1,04	up
6103436	7069249	1054128	phospholipase D2	Pld2	25097	1,03	down
6563995	7339147	1717721	phospholipid scramblase 1	Plscr1	117540	3,04	down
6414831	7339147	1717723	phospholipid scramblase 1	Plscr1	117540	2,15	up
5661863	7339147	1717722	phospholipid scramblase 1	Plscr1	117540	1,92	down
6170281	7339147	1717725	phospholipid scramblase 1	Plscr1	117540	1,58	up
6246986	7339147	1717721	phospholipid scramblase 1	Plscr1	117540	1,39	down
5798699	7339147	1717726	phospholipid scramblase 1	Plscr1	117540	1,31	up
5804092	7339147	1717720	phospholipid scramblase 1	Plscr1	117540	1,22	down
6137465	7339147	1717727	phospholipid scramblase 1	Plscr1	117540	1,11	down
5788177	7339147	1717724	phospholipid scramblase 1	Plscr1	117540	1,10	down
6737906	7339147	1717719	phospholipid scramblase 1	Plscr1	117540	1,04	up
5872732	7069088	1053803	phospholipid scramblase 3	Plscr3	360549	2,80	up
6555002	7069088	1053797	phospholipid scramblase 3	Plscr3	360549	1,50	down
5858010	7069088	1053798	phospholipid scramblase 3	Plscr3	360549	1,41	down
5765923	7069088	1053801	phospholipid scramblase 3	Plscr3	360549	1,24	up
6173378	7069088	1053798	phospholipid scramblase 3	Plscr3	360549	1,23	down
5927011	7069088	1053799	phospholipid scramblase 3	Plscr3	360549	1,12	up
6653128	7069088	1053803	phospholipid scramblase 3	Plscr3	360549	1,08	up
5944206	7069088	1053800	phospholipid scramblase 3	Plscr3	360549	1,03	down
6742652	7069088	1053802	phospholipid scramblase 3	Plscr3	360549	1,00	up
6568679	7307499	1641428	phosphorylase, glycogen, liver	Pygl	64035	2,42	up
5630899	7307499	1641434	phosphorylase, glycogen, liver	Pygl	64035	2,33	up
6438137	7307499	1641431	phosphorylase, glycogen, liver	Pygl	64035	1,63	up
5713137	7307499	1641416	phosphorylase, glycogen, liver	Pygl	64035	1,52	up
6268816	7307499	1641430	phosphorylase, glycogen, liver	Pygl	64035	1,51	down
6694101	7307499	1641423	phosphorylase, glycogen, liver	Pygl	64035	1,47	down
6211168	7307499	1641425	phosphorylase, glycogen, liver	Pygl	64035	1,43	down
5951249	7307499	1641417	phosphorylase, glycogen, liver	Pygl	64035	1,40	down
5664529	7307499	1641433	phosphorylase, glycogen, liver	Pygl	64035	1,37	down
5670906	7307499	1641420	phosphorylase, glycogen, liver	Pygl	64035	1,33	up
5704859	7307499	1641429	phosphorylase, glycogen, liver	Pygl	64035	1,26	up
6490123	7307499	1641435	phosphorylase, glycogen, liver	Pygl	64035	1,21	down
5876947	7307499	1641424	phosphorylase, glycogen, liver	Pygl	64035	1,20	down
6093310	7307499	1641415	phosphorylase, glycogen, liver	Pygl	64035	1,20	down
5640733	7307499	1641435	phosphorylase, glycogen, liver	Pygl	64035	1,18	up
6482279	7307499	1641433	phosphorylase, glycogen, liver	Pygl	64035	1,16	up
5660870	7307499	1641418	phosphorylase, glycogen, liver	Pygl	64035	1,12	down
6421641	7307499	1641426	phosphorylase, glycogen, liver	Pygl	64035	1,07	up
5996895	7307499	1641422	phosphorylase, glycogen, liver	Pygl	64035	1,06	down
5883188	7307499	1641432	phosphorylase, glycogen, liver	Pygl	64035	1,05	down
6538431	7307499	1641419	phosphorylase, glycogen, liver	Pygl	64035	1,03	up
6504251	7307499	1641421	phosphorylase, glycogen, liver	Pygl	64035	1,01	down
6575204	7307499	1641427	phosphorylase, glycogen, liver	Pygl	64035	1,00	up
5810218	7039302	983851	phosphorylase, glycogen, muscle	Pygm	24701	2,06	up
5658747	7039302	983844	phosphorylase, glycogen, muscle	Pygm	24701	1,90	down
6386880	7039302	983846	phosphorylase, glycogen, muscle	Pygm	24701	1,54	up
6008100	7039302	983864	phosphorylase, glycogen, muscle	Pygm	24701	1,43	down

6006671	7039302	983860	phosphorylase, glycogen, muscle	Pygm	24701	1,42	down
5659420	7039302	983862	phosphorylase, glycogen, muscle	Pygm	24701	1,34	down
6695982	7039302	983861	phosphorylase, glycogen, muscle	Pygm	24701	1,33	up
6569930	7039302	983856	phosphorylase, glycogen, muscle	Pygm	24701	1,32	up
6717187	7039302	983849	phosphorylase, glycogen, muscle	Pygm	24701	1,25	up
5896997	7039302	983845	phosphorylase, glycogen, muscle	Pygm	24701	1,23	down
5894647	7039302	983853	phosphorylase, glycogen, muscle	Pygm	24701	1,23	down
6192951	7039302	983858	phosphorylase, glycogen, muscle	Pygm	24701	1,23	down
5731408	7039302	983848	phosphorylase, glycogen, muscle	Pygm	24701	1,21	up
6185492	7039302	983859	phosphorylase, glycogen, muscle	Pygm	24701	1,20	up
5844406	7039302	983857	phosphorylase, glycogen, muscle	Pygm	24701	1,20	up
6639084	7039302	983855	phosphorylase, glycogen, muscle	Pygm	24701	1,18	down
6726278	7039302	983842	phosphorylase, glycogen, muscle	Pygm	24701	1,18	up
5904567	7039302	983852	phosphorylase, glycogen, muscle	Pygm	24701	1,16	down
6618715	7039302	983847	phosphorylase, glycogen, muscle	Pygm	24701	1,08	up
6157712	7039302	983854	phosphorylase, glycogen, muscle	Pygm	24701	1,07	up
6223682	7039302	983863	phosphorylase, glycogen, muscle	Pygm	24701	1,00	up
6479752	7060776	1033192	phosphoserine aminotransferase 1	Psat1	293820	2,01	up
5679347	7060776	1033194	phosphoserine aminotransferase 1	Psat1	293820	1,63	up
5696120	7060776	1033190	phosphoserine aminotransferase 1	Psat1	293820	1,27	down
6345777	7060776	1033195	phosphoserine aminotransferase 1	Psat1	293820	1,27	down
6088033	7060776	1033191	phosphoserine aminotransferase 1	Psat1	293820	1,20	up
6082877	7060776	1033196	phosphoserine aminotransferase 1	Psat1	293820	1,19	down
6357198	7060776	1033188	phosphoserine aminotransferase 1	Psat1	293820	1,16	up
6271171	7060776	1033187	phosphoserine aminotransferase 1	Psat1	293820	1,04	up
6262201	7060776	1033193	phosphoserine aminotransferase 1	Psat1	293820	1,03	down
5630591	7060776	1033189	phosphoserine aminotransferase 1	Psat1	293820	1,02	up
6740011	7042063	990689	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	2,59	down
5894853	7042063	990691	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,63	down
6288106	7042063	990690	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,43	up
5845993	7042063	990694	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,42	down
5945720	7042063	990699	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,34	up
6084209	7042063	990687	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,33	down
5960815	7042063	990699	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,31	up
5921741	7042063	990700	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,26	up
6381466	7042063	990695	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,25	up
5717337	7042063	990698	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,24	down
5911904	7042063	990693	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,19	down
5741121	7042063	990694	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,17	down
6676905	7042063	990688	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,12	down
6593518	7042063	990696	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,12	down
6150693	7042063	990692	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,09	up
6297096	7042063	990697	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,08	down
5949166	7042063	990686	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,06	up
5967512	7042063	990701	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,06	up
6176505	7042063	990688	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,05	up
6054737	7042063	990694	Phytn_dehydro and Pyr_redox domain containing protein RGD1303232	RGD1303232	309381	1,01	down
6427335	7217331	1416059	pim-1 oncogene	Pim1	24649	2,09	down
6659624	7217331	1416064	pim-1 oncogene	Pim1	24649	1,72	down
6260666	7217331	1416062	pim-1 oncogene	Pim1	24649	1,69	up
5747389	7217331	1416063	pim-1 oncogene	Pim1	24649	1,41	up
6340394	7217331	1416061	pim-1 oncogene	Pim1	24649	1,23	up
6318041	7217331	1416060	pim-1 oncogene	Pim1	24649	1,12	up
5677104	7132715	1207963	PIN2-interacting protein 1	Pinx1	305963	2,15	down
5687323	7132715	1207970	PIN2-interacting protein 1	Pinx1	305963	1,82	up
6128179	7132715	1207967	PIN2-interacting protein 1	Pinx1	305963	1,61	up
6413268	7132715	1207986	PIN2-interacting protein 1	Pinx1	305963	1,56	down

6237103	7132715	1207965	PIN2-interacting protein 1	Pinx1	305963	1,34	up
6239898	7132715	1207968	PIN2-interacting protein 1	Pinx1	305963	1,23	down
6443149	7132715	1207986	PIN2-interacting protein 1	Pinx1	305963	1,09	up
5996637	7132715	1207966	PIN2-interacting protein 1	Pinx1	305963	1,07	up
6598001	7111567	1155990	plakophilin 1	Pkp1	304822	2,38	up
6390831	7111567	1155987	plakophilin 1	Pkp1	304822	2,14	up
6500767	7111567	1155995	plakophilin 1	Pkp1	304822	1,99	down
6294214	7111567	1155984	plakophilin 1	Pkp1	304822	1,70	down
6658895	7111567	1155988	plakophilin 1	Pkp1	304822	1,66	down
6733030	7111567	1155989	plakophilin 1	Pkp1	304822	1,56	down
6432423	7111567	1155993	plakophilin 1	Pkp1	304822	1,55	down
5891548	7111567	1155983	plakophilin 1	Pkp1	304822	1,46	up
6390064	7111567	1156001	plakophilin 1	Pkp1	304822	1,36	up
5929407	7111567	1155992	plakophilin 1	Pkp1	304822	1,34	down
6605167	7111567	1155983	plakophilin 1	Pkp1	304822	1,14	down
5640573	7111567	1155986	plakophilin 1	Pkp1	304822	1,13	down
6431577	7111567	1155994	plakophilin 1	Pkp1	304822	1,13	down
6453740	7111567	1155991	plakophilin 1	Pkp1	304822	1,11	up
5687123	7111567	1155985	plakophilin 1	Pkp1	304822	1,09	down
6359131	7111567	1155983	plakophilin 1	Pkp1	304822	1,07	down
6480880	7111567	1156006	plakophilin 1	Pkp1	304822	1,02	down
6467115	7227775	1441850	plakophilin 4	Pkp4	295625	3,64	down
6133828	7227775	1441823	plakophilin 4	Pkp4	295625	1,83	down
6641785	7227775	1441845	plakophilin 4	Pkp4	295625	1,52	down
5836104	7227775	1441816	plakophilin 4	Pkp4	295625	1,50	down
6651448	7227775	1441850	plakophilin 4	Pkp4	295625	1,48	up
5957398	7227775	1441844	plakophilin 4	Pkp4	295625	1,35	up
6464325	7227775	1441822	plakophilin 4	Pkp4	295625	1,29	down
5838897	7227775	1441851	plakophilin 4	Pkp4	295625	1,22	up
6413903	7227775	1441824	plakophilin 4	Pkp4	295625	1,21	up
5971431	7227775	1441813	plakophilin 4	Pkp4	295625	1,19	down
5835204	7227775	1441842	plakophilin 4	Pkp4	295625	1,19	up
6650739	7227775	1441842	plakophilin 4	Pkp4	295625	1,17	up
5941395	7227775	1441838	plakophilin 4	Pkp4	295625	1,17	up
6422357	7227775	1441837	plakophilin 4	Pkp4	295625	1,13	down
5640217	7227775	1441851	plakophilin 4	Pkp4	295625	1,11	down
6013718	7227775	1441837	plakophilin 4	Pkp4	295625	1,11	up
6663179	7227775	1441817	plakophilin 4	Pkp4	295625	1,10	up
6656036	7227775	1441818	plakophilin 4	Pkp4	295625	1,06	down
6361779	7227775	1441806	plakophilin 4	Pkp4	295625	1,06	down
5699746	7227775	1441802	plakophilin 4	Pkp4	295625	1,04	down
5675290	7227775	1441818	plakophilin 4	Pkp4	295625	1,04	down
6101331	7227775	1441841	plakophilin 4	Pkp4	295625	1,03	down
6196454	7227775	1441848	plakophilin 4	Pkp4	295625	1,03	up
5729923	7227775	1441839	plakophilin 4	Pkp4	295625	1,03	down
6428432	7227775	1441791	plakophilin 4	Pkp4	295625	1,02	down
5686715	7227775	1441820	plakophilin 4	Pkp4	295625	1,02	down
6027516	7227775	1441840	plakophilin 4	Pkp4	295625	1,00	down
5778381	7227775	1441825	plakophilin 4	Pkp4	295625	1,00	up
6737274	7046410	1001728	plasminogen	Plg	85253	2,11	down
6212981	7046410	1001725	plasminogen	Plg	85253	1,65	down
6430510	7046410	1001735	plasminogen	Plg	85253	1,59	down
6619299	7046410	1001723	plasminogen	Plg	85253	1,56	down
5834931	7046410	1001730	plasminogen	Plg	85253	1,55	up
5930779	7046410	1001742	plasminogen	Plg	85253	1,34	down
6598835	7046410	1001737	plasminogen	Plg	85253	1,29	up
6640233	7046410	1001736	plasminogen	Plg	85253	1,27	up

5688784	7046410	1001738	plasminogen	Plg	85253	1,23	down
6737034	7046410	1001740	plasminogen	Plg	85253	1,22	down
5794333	7046410	1001726	plasminogen	Plg	85253	1,19	down
5930918	7046410	1001734	plasminogen	Plg	85253	1,17	down
5919218	7046410	1001724	plasminogen	Plg	85253	1,15	up
6675659	7046410	1001724	plasminogen	Plg	85253	1,13	down
6077060	7046410	1001732	plasminogen	Plg	85253	1,10	down
6308911	7046410	1001727	plasminogen	Plg	85253	1,06	down
6521537	7046410	1001739	plasminogen	Plg	85253	1,04	up
6013893	7046410	1001731	plasminogen	Plg	85253	1,04	down
6199368	7046410	1001729	plasminogen	Plg	85253	1,03	down
5626171	7046410	1001735	plasminogen	Plg	85253	1,03	down
6488377	7046410	1001741	plasminogen	Plg	85253	1,02	down
5691735	7046410	1001733	plasminogen	Plg	85253	1,02	down
6667896	7152929	1257578	plasminogen activator, tissue	Plat	25692	2,30	down
5969491	7152929	1257570	plasminogen activator, tissue	Plat	25692	1,42	down
6242442	7152929	1257565	plasminogen activator, tissue	Plat	25692	1,33	down
6188351	7152929	1257577	plasminogen activator, tissue	Plat	25692	1,29	down
6088967	7152929	1257569	plasminogen activator, tissue	Plat	25692	1,21	up
6220553	7152929	1257572	plasminogen activator, tissue	Plat	25692	1,16	up
5852052	7152929	1257574	plasminogen activator, tissue	Plat	25692	1,15	down
6259448	7152929	1257573	plasminogen activator, tissue	Plat	25692	1,11	down
6490728	7152929	1257566	plasminogen activator, tissue	Plat	25692	1,10	up
5671323	7152929	1257569	plasminogen activator, tissue	Plat	25692	1,07	down
5778467	7152929	1257568	plasminogen activator, tissue	Plat	25692	1,05	up
5869413	7152929	1257576	plasminogen activator, tissue	Plat	25692	1,04	down
6490482	7152929	1257575	plasminogen activator, tissue	Plat	25692	1,03	up
6365572	7152929	1257567	plasminogen activator, tissue	Plat	25692	1,01	up
6646232	7152929	1257571	plasminogen activator, tissue	Plat	25692	1,01	down
5663433	7171030	1302251	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	2,51	up
6702140	7171030	1302256	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,86	down
6361706	7171030	1302259	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,45	down
5726846	7171030	1302261	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,41	up
6028056	7171030	1302262	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,36	up
6352989	7171030	1302264	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,32	up
6304407	7171030	1302246	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,25	down
6408822	7171030	1302245	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,22	down
5691328	7171030	1302254	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,21	down
6125031	7171030	1302257	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,18	up
6471000	7171030	1302268	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,17	up
5646621	7171030	1302265	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,12	up
6192188	7171030	1302253	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,12	up
5756385	7171030	1302255	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,11	up
5829897	7171030	1302257	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,11	down
5809206	7171030	1302248	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,11	down
5940499	7171030	1302263	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,09	up
6434097	7171030	1302250	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,07	up
6640289	7171030	1302258	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,06	up
6693421	7171030	1302252	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,06	up
5661215	7171030	1302249	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,05	up
5744861	7171030	1302247	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,04	up
5951807	7171030	1302260	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,03	up
6418693	7171030	1302268	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,02	down
6104690	7171030	1302266	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,00	down
5772758	7171030	1302267	platelet derived growth factor receptor, beta polypeptide	Pdgfrb	24629	1,00	up
5818566	7048947	1007418	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	2,01	down
6226993	7048947	1007414	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,86	down

5770703	7048947	1007413	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,67	down
6439019	7048947	1007415	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,52	up
6050589	7048947	1007417	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,41	up
6296817	7048947	1007416	platelet-activating factor acetylhydrolase, isoform Ib, gamma subunit	Pafah1b3	114113	1,19	up
6445643	7097005	1119794	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	2,25	down
5780200	7097005	1119792	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,83	down
6612334	7097005	1119793	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,50	down
5680595	7097005	1119798	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,39	up
5883641	7097005	1119797	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,23	up
6163572	7097005	1119798	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,20	down
5654135	7097005	1119795	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,19	up
6034910	7097005	1119796	platelet-derived growth factor alpha polypeptide	Pdgfa	25266	1,12	up
6695001	7063243	1039190	pleckstrin and Sec7 domain containing	Psd	171381	2,04	down
6006989	7063243	1039191	pleckstrin and Sec7 domain containing	Psd	171381	1,79	down
5850685	7063243	1039191	pleckstrin and Sec7 domain containing	Psd	171381	1,30	down
5971667	7063243	1039192	pleckstrin and Sec7 domain containing	Psd	171381	1,27	up
5908201	7063243	1039188	pleckstrin and Sec7 domain containing	Psd	171381	1,25	down
6277998	7063243	1039183	pleckstrin and Sec7 domain containing	Psd	171381	1,21	up
6000855	7063243	1039179	pleckstrin and Sec7 domain containing	Psd	171381	1,19	up
6517722	7063243	1039189	pleckstrin and Sec7 domain containing	Psd	171381	1,13	up
5815329	7063243	1039180	pleckstrin and Sec7 domain containing	Psd	171381	1,11	down
6678799	7063243	1039186	pleckstrin and Sec7 domain containing	Psd	171381	1,10	up
6150162	7063243	1039185	pleckstrin and Sec7 domain containing	Psd	171381	1,10	down
6258709	7063243	1039184	pleckstrin and Sec7 domain containing	Psd	171381	1,09	up
6369899	7063243	1039191	pleckstrin and Sec7 domain containing	Psd	171381	1,08	up
6310821	7063243	1039181	pleckstrin and Sec7 domain containing	Psd	171381	1,06	up
5651998	7063243	1039182	pleckstrin and Sec7 domain containing	Psd	171381	1,05	up
5635611	7063243	1039187	pleckstrin and Sec7 domain containing	Psd	171381	1,02	down
6064069	7054975	1020635	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	2,12	down
6052423	7054975	1020638	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,64	up
6626421	7054975	1020642	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,58	up
6732630	7054975	1020636	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,56	down
6099373	7054975	1020635	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,38	down
6091140	7054975	1020643	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,19	up
6236923	7054975	1020639	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,18	down
6320489	7054975	1020641	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,07	up
5736074	7054975	1020635	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,05	down
5618874	7054975	1020637	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,05	down
6587371	7054975	1020640	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,02	up
5810927	7054975	1020636	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,02	up
6269551	7054975	1020638	pleckstrin homology domain containing, family B (evectins) member 1	Plekhhb1	64471	1,01	down
5625680	7049308	1008123	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	2,09	up
6328691	7049308	1008110	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,58	up
6212986	7049308	1008123	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,49	down
6499435	7049308	1008109	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,48	up
6440475	7049308	1008109	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,44	down
6671643	7049308	1008127	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,42	up
6311204	7049308	1008116	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,35	up
6736794	7049308	1008109	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,30	down
5633231	7049308	1008112	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,28	up
6309061	7049308	1008110	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,27	up
5753088	7049308	1008115	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,22	up
6122083	7049308	1008121	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,21	up
6236666	7049308	1008112	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,19	down
6099496	7049308	1008125	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,18	down
6557370	7049308	1008122	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,17	up
6422739	7049308	1008111	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,15	up

5790196	7049308	1008110	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,15	down
6408707	7049308	1008119	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,15	down
6656362	7049308	1008113	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,11	down
6272341	7049308	1008114	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,09	up
6444346	7049308	1008109	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,08	down
6181110	7049308	1008119	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,08	up
6456404	7049308	1008111	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,07	up
5950843	7049308	1008109	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,07	up
6221732	7049308	1008118	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,07	up
5708831	7049308	1008117	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,05	up
6693774	7049308	1008111	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,04	down
5729152	7049308	1008123	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,03	down
6149625	7049308	1008120	pleckstrin homology domain containing, family G (with RhoGef domain) member 2	Plekhhg2	292750	1,01	up
6725806	7180598	1326332	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,86	down
5651990	7180598	1326322	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,58	up
6521993	7180598	1326327	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,56	down
6218661	7180598	1326331	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,39	down
5678841	7180598	1326332	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,34	up
5740571	7180598	1326323	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,29	down
6377656	7180598	1326320	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,26	down
5719306	7180598	1326330	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,25	up
6581879	7180598	1326324	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,24	up
6493789	7180598	1326326	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,18	down
5782400	7180598	1326329	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,15	up
5881091	7180598	1326332	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,14	up
6329159	7180598	1326324	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,12	up
6309824	7180598	1326327	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,11	up
6569138	7180598	1326333	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,11	up
6655249	7180598	1326321	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,10	up
6053584	7180598	1326327	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,10	down
6693876	7180598	1326319	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,10	up
6535795	7180598	1326325	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,10	down
6465570	7180598	1326326	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,08	up
6393852	7180598	1326330	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,05	up
5674464	7180598	1326324	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,04	up
6484976	7180598	1326326	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,04	down
6470868	7180598	1326327	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,01	down
5994532	7180598	1326330	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,01	down
6110935	7180598	1326328	pleckstrin homology domain containing, family G (with RhoGef domain) member 4	Plekhhg4	307796	1,01	up
6382265	7281880	1577568	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	2,30	up
6327428	7281880	1577569	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,61	down
6217474	7281880	1577561	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,39	down
5751066	7281880	1577576	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,37	down
5811616	7281880	1577578	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,31	down
6505177	7281880	1577559	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,20	down
6376811	7281880	1577565	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,20	down
6402710	7281880	1577570	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,20	up
6598198	7281880	1577562	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,15	up
6092558	7281880	1577558	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,13	up
6625039	7281880	1577563	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,13	down
6321335	7281880	1577574	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,12	down
6489018	7281880	1577578	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,12	up
6129084	7281880	1577560	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,10	down
5879773	7281880	1577575	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,08	up
6407623	7281880	1577572	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,05	down
6044826	7281880	1577564	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,04	up
5701613	7281880	1577579	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,04	down

5902692	7281880	1577567	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,04	down
5774451	7281880	1577573	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,03	up
6174830	7281880	1577571	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,03	up
6714526	7281880	1577577	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,01	down
6060971	7281880	1577566	pleckstrin homology domain containing, family G (with RhoGef domain) member 5	Plekhhg5	310999	1,01	up
5654432	7299650	1620947	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	2,36	down
6581355	7299650	1620942	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,44	down
6712586	7299650	1620927	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,42	down
6389720	7299650	1620947	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,38	up
6745148	7299650	1620955	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,36	down
6694473	7299650	1620942	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,32	down
6384904	7299650	1620953	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,30	down
5677446	7299650	1620943	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,29	down
6035086	7299650	1620946	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,27	up
5648009	7299650	1620963	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,24	down
5977225	7299650	1620969	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,22	up
6597321	7299650	1620950	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,21	down
5869037	7299650	1620954	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,19	up
6365477	7299650	1620935	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,19	down
5952947	7299650	1620949	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,19	up
6529863	7299650	1620945	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,17	up
5756274	7299650	1620936	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,15	up
6292123	7299650	1620968	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,12	down
5911057	7299650	1620961	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,10	up
6685254	7299650	1620958	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,09	up
6000920	7299650	1620942	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,09	down
6389328	7299650	1620952	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,08	up
5661068	7299650	1620940	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,06	up
6110418	7299650	1620942	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,05	up
6486019	7299650	1620944	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,05	up
5845626	7299650	1620956	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,03	up
6514329	7299650	1620962	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,02	up
5687033	7299650	1620932	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,02	up
6678882	7299650	1620960	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,01	down
6600400	7299650	1620941	pleckstrin homology domain containing, family H (with MyTH4 domain) member 1	Plekhh1	314262	1,00	down
6530632	7363147	1777030	pleckstrin homology domain containing, family M, member 3	Plekhhm3	316455	1,58	down
6289075	7363147	1776999	pleckstrin homology domain containing, family M, member 3	Plekhhm3	316455	1,09	down
5862063	7087965	1098061	pleckstrin homology-like domain, family B, member 2	Phldb2	685611	1,29	down
6201170	7087965	1098061	pleckstrin homology-like domain, family B, member 2	Phldb2	685611	1,25	down
6114437	7087965	1098061	pleckstrin homology-like domain, family B, member 2	Phldb2	685611	1,11	down
6410585	7329136	1693510	plectin 1	Plec1	64204	2,31	down
6347205	7329136	1693511	plectin 1	Plec1	64204	1,81	up
5922269	7329136	1693548	plectin 1	Plec1	64204	1,80	down
6654647	7329136	1693512	plectin 1	Plec1	64204	1,79	up
5787006	7329136	1693547	plectin 1	Plec1	64204	1,54	up
6691660	7329136	1693510	plectin 1	Plec1	64204	1,53	down
6374292	7329136	1693516	plectin 1	Plec1	64204	1,42	up
6574194	7329136	1693530	plectin 1	Plec1	64204	1,40	down
6511319	7329136	1693526	plectin 1	Plec1	64204	1,37	up
6699063	7329136	1693517	plectin 1	Plec1	64204	1,36	up
6186077	7329136	1693553	plectin 1	Plec1	64204	1,34	down
5728930	7329136	1693529	plectin 1	Plec1	64204	1,34	up
5634224	7329136	1693538	plectin 1	Plec1	64204	1,33	up
6157202	7329136	1693531	plectin 1	Plec1	64204	1,32	down
6437533	7329136	1693510	plectin 1	Plec1	64204	1,31	up
6241080	7329136	1693519	plectin 1	Plec1	64204	1,31	up
5848516	7329136	1693508	plectin 1	Plec1	64204	1,30	up

5674044	7329136	1693515	plectin 1	Plec1	64204	1,29	up
6285121	7329136	1693537	plectin 1	Plec1	64204	1,29	down
6540528	7329136	1693511	plectin 1	Plec1	64204	1,29	up
6480355	7329136	1693536	plectin 1	Plec1	64204	1,28	up
5942464	7329136	1693525	plectin 1	Plec1	64204	1,27	down
6074024	7329136	1693539	plectin 1	Plec1	64204	1,23	up
6512579	7329136	1693520	plectin 1	Plec1	64204	1,23	up
6144454	7329136	1693544	plectin 1	Plec1	64204	1,22	down
6046305	7329136	1693551	plectin 1	Plec1	64204	1,21	down
6562764	7329136	1693524	plectin 1	Plec1	64204	1,19	up
6469245	7329136	1693548	plectin 1	Plec1	64204	1,19	up
6361064	7329136	1693526	plectin 1	Plec1	64204	1,18	up
6130649	7329136	1693509	plectin 1	Plec1	64204	1,18	down
6689326	7329136	1693507	plectin 1	Plec1	64204	1,17	up
6475537	7329136	1693532	plectin 1	Plec1	64204	1,16	down
5894336	7329136	1693521	plectin 1	Plec1	64204	1,16	up
6692293	7329136	1693540	plectin 1	Plec1	64204	1,14	up
6168304	7329136	1693527	plectin 1	Plec1	64204	1,12	up
5944943	7329136	1693535	plectin 1	Plec1	64204	1,10	down
5810747	7329136	1693508	plectin 1	Plec1	64204	1,10	down
5868635	7329136	1693518	plectin 1	Plec1	64204	1,09	up
6711864	7329136	1693514	plectin 1	Plec1	64204	1,08	up
6457750	7329136	1693522	plectin 1	Plec1	64204	1,07	down
6371871	7329136	1693550	plectin 1	Plec1	64204	1,07	down
6443514	7329136	1693510	plectin 1	Plec1	64204	1,07	down
5705437	7329136	1693511	plectin 1	Plec1	64204	1,07	up
6040426	7329136	1693513	plectin 1	Plec1	64204	1,07	down
6220433	7329136	1693549	plectin 1	Plec1	64204	1,06	up
5873190	7329136	1693507	plectin 1	Plec1	64204	1,06	down
6494046	7329136	1693548	plectin 1	Plec1	64204	1,06	down
6279883	7329136	1693510	plectin 1	Plec1	64204	1,05	up
5666459	7329136	1693551	plectin 1	Plec1	64204	1,04	down
5623100	7329136	1693534	plectin 1	Plec1	64204	1,03	up
6112373	7329136	1693533	plectin 1	Plec1	64204	1,02	up
5758610	7329136	1693508	plectin 1	Plec1	64204	1,02	up
6388760	7329136	1693545	plectin 1	Plec1	64204	1,02	down
6244369	7329136	1693518	plectin 1	Plec1	64204	1,02	up
5926568	7329136	1693509	plectin 1	Plec1	64204	1,02	down
5884406	7329136	1693510	plectin 1	Plec1	64204	1,01	up
6680942	7329136	1693528	plectin 1	Plec1	64204	1,01	down
6022213	7329136	1693523	plectin 1	Plec1	64204	1,01	down
6530505	7329136	1693542	plectin 1	Plec1	64204	1,00	down
6241740	7329136	1693548	plectin 1	Plec1	64204	1,00	up
5913850	7378546	1817599	plexin B3	Plxnb3	363517	2,29	up
5707224	7378546	1817601	plexin B3	Plxnb3	363517	1,85	up
6342640	7378546	1817609	plexin B3	Plxnb3	363517	1,65	down
6257453	7378546	1817602	plexin B3	Plxnb3	363517	1,65	up
6013076	7378546	1817599	plexin B3	Plxnb3	363517	1,47	up
6332140	7378546	1817608	plexin B3	Plxnb3	363517	1,42	up
6160917	7378546	1817580	plexin B3	Plxnb3	363517	1,41	up
5682449	7378546	1817608	plexin B3	Plxnb3	363517	1,38	down
6323863	7378546	1817600	plexin B3	Plxnb3	363517	1,33	up
6462354	7378546	1817593	plexin B3	Plxnb3	363517	1,29	down
5816740	7378546	1817607	plexin B3	Plxnb3	363517	1,27	down
6132248	7378546	1817588	plexin B3	Plxnb3	363517	1,27	down
5779556	7378546	1817596	plexin B3	Plxnb3	363517	1,25	down
5754249	7378546	1817612	plexin B3	Plxnb3	363517	1,23	up

6515220	7378546	1817605	plexin B3	Plxnb3	363517	1,21	down
6128595	7378546	1817595	plexin B3	Plxnb3	363517	1,16	up
6135904	7378546	1817583	plexin B3	Plxnb3	363517	1,15	up
6319424	7378546	1817592	plexin B3	Plxnb3	363517	1,14	up
6668797	7378546	1817612	plexin B3	Plxnb3	363517	1,12	down
6090717	7378546	1817581	plexin B3	Plxnb3	363517	1,12	up
6069679	7378546	1817603	plexin B3	Plxnb3	363517	1,11	down
6158763	7378546	1817610	plexin B3	Plxnb3	363517	1,11	down
6405306	7378546	1817604	plexin B3	Plxnb3	363517	1,11	down
5973808	7378546	1817597	plexin B3	Plxnb3	363517	1,10	up
5948449	7378546	1817587	plexin B3	Plxnb3	363517	1,09	down
6692254	7378546	1817611	plexin B3	Plxnb3	363517	1,09	down
6111731	7378546	1817599	plexin B3	Plxnb3	363517	1,08	up
6745129	7378546	1817583	plexin B3	Plxnb3	363517	1,08	down
6122936	7378546	1817582	plexin B3	Plxnb3	363517	1,08	down
5621317	7378546	1817589	plexin B3	Plxnb3	363517	1,06	down
5697136	7378546	1817601	plexin B3	Plxnb3	363517	1,05	up
5699699	7378546	1817591	plexin B3	Plxnb3	363517	1,05	down
6441236	7378546	1817580	plexin B3	Plxnb3	363517	1,04	down
6158592	7378546	1817590	plexin B3	Plxnb3	363517	1,04	up
6244179	7378546	1817609	plexin B3	Plxnb3	363517	1,04	up
5720442	7378546	1817584	plexin B3	Plxnb3	363517	1,03	down
6159144	7378546	1817580	plexin B3	Plxnb3	363517	1,03	up
6417678	7378546	1817598	plexin B3	Plxnb3	363517	1,02	down
6384948	7378546	1817585	plexin B3	Plxnb3	363517	1,02	up
6211890	7378546	1817601	plexin B3	Plxnb3	363517	1,02	down
6572449	7378546	1817586	plexin B3	Plxnb3	363517	1,00	up
6389433	7324018	1681271	plexin C1	Plxnc1	362873	2,70	up
5909572	7324018	1681254	plexin C1	Plxnc1	362873	2,09	down
6354636	7324018	1681236	plexin C1	Plxnc1	362873	1,75	down
6310677	7324018	1681251	plexin C1	Plxnc1	362873	1,64	down
5795599	7324018	1681249	plexin C1	Plxnc1	362873	1,49	up
5872780	7324018	1681246	plexin C1	Plxnc1	362873	1,41	up
6265896	7324018	1681239	plexin C1	Plxnc1	362873	1,37	down
6726534	7324018	1681233	plexin C1	Plxnc1	362873	1,30	down
5682820	7324018	1681245	plexin C1	Plxnc1	362873	1,27	down
5903422	7324018	1681266	plexin C1	Plxnc1	362873	1,26	down
5659472	7324018	1681280	plexin C1	Plxnc1	362873	1,26	up
5708718	7324018	1681250	plexin C1	Plxnc1	362873	1,26	up
6724909	7324018	1681253	plexin C1	Plxnc1	362873	1,24	up
6094438	7324018	1681238	plexin C1	Plxnc1	362873	1,22	down
6023226	7324018	1681240	plexin C1	Plxnc1	362873	1,22	up
5821347	7324018	1681257	plexin C1	Plxnc1	362873	1,22	down
6090953	7324018	1681237	plexin C1	Plxnc1	362873	1,18	up
6216602	7324018	1681258	plexin C1	Plxnc1	362873	1,17	down
6191706	7324018	1681260	plexin C1	Plxnc1	362873	1,14	down
6345686	7324018	1681267	plexin C1	Plxnc1	362873	1,14	up
5903507	7324018	1681241	plexin C1	Plxnc1	362873	1,13	up
6396368	7324018	1681260	plexin C1	Plxnc1	362873	1,13	down
6744876	7324018	1681256	plexin C1	Plxnc1	362873	1,12	up
5682767	7324018	1681253	plexin C1	Plxnc1	362873	1,11	down
5680165	7324018	1681233	plexin C1	Plxnc1	362873	1,09	up
6060977	7324018	1681252	plexin C1	Plxnc1	362873	1,09	up
6276174	7324018	1681279	plexin C1	Plxnc1	362873	1,08	up
5748763	7324018	1681235	plexin C1	Plxnc1	362873	1,07	up
6372332	7324018	1681259	plexin C1	Plxnc1	362873	1,06	down
6322921	7324018	1681264	plexin C1	Plxnc1	362873	1,04	up

6203427	7324018	1681271	plexin C1	Plxnc1	362873	1,04	up
5914101	7324018	1681272	plexin C1	Plxnc1	362873	1,03	down
6429719	7324018	1681263	plexin C1	Plxnc1	362873	1,02	up
5623372	7324018	1681270	plexin C1	Plxnc1	362873	1,02	down
6246971	7324018	1681246	plexin C1	Plxnc1	362873	1,00	up
6096097	7268693	1544204	plexin D1	Plxnd1	312652	4,44	up
6202751	7268693	1544213	plexin D1	Plxnd1	312652	3,54	down
6140371	7268693	1544194	plexin D1	Plxnd1	312652	2,60	up
5678006	7268693	1544213	plexin D1	Plxnd1	312652	2,46	down
6109977	7268693	1544182	plexin D1	Plxnd1	312652	2,31	down
5666540	7268693	1544176	plexin D1	Plxnd1	312652	2,22	up
6291343	7268693	1544187	plexin D1	Plxnd1	312652	2,18	down
5676893	7268693	1544213	plexin D1	Plxnd1	312652	2,15	down
6475970	7268693	1544205	plexin D1	Plxnd1	312652	2,14	up
5673341	7268693	1544175	plexin D1	Plxnd1	312652	2,08	down
6369348	7268693	1544213	plexin D1	Plxnd1	312652	2,05	down
6484511	7268693	1544213	plexin D1	Plxnd1	312652	2,04	up
5930991	7268693	1544206	plexin D1	Plxnd1	312652	1,99	up
6576877	7268693	1544176	plexin D1	Plxnd1	312652	1,96	down
6313630	7268693	1544192	plexin D1	Plxnd1	312652	1,94	up
6057157	7268693	1544181	plexin D1	Plxnd1	312652	1,94	up
6683620	7268693	1544195	plexin D1	Plxnd1	312652	1,88	up
5800425	7268693	1544188	plexin D1	Plxnd1	312652	1,60	down
6107855	7268693	1544183	plexin D1	Plxnd1	312652	1,53	down
6452582	7268693	1544208	plexin D1	Plxnd1	312652	1,48	up
5827615	7268693	1544198	plexin D1	Plxnd1	312652	1,48	down
6264333	7268693	1544177	plexin D1	Plxnd1	312652	1,44	up
5653139	7268693	1544193	plexin D1	Plxnd1	312652	1,42	up
5634613	7268693	1544185	plexin D1	Plxnd1	312652	1,40	down
6415373	7268693	1544203	plexin D1	Plxnd1	312652	1,39	up
6473221	7268693	1544213	plexin D1	Plxnd1	312652	1,35	down
6111284	7268693	1544180	plexin D1	Plxnd1	312652	1,30	up
6688794	7268693	1544184	plexin D1	Plxnd1	312652	1,29	up
5728813	7268693	1544209	plexin D1	Plxnd1	312652	1,28	down
6646478	7268693	1544197	plexin D1	Plxnd1	312652	1,24	down
6652019	7268693	1544184	plexin D1	Plxnd1	312652	1,22	up
6086602	7268693	1544179	plexin D1	Plxnd1	312652	1,20	down
6661961	7268693	1544207	plexin D1	Plxnd1	312652	1,17	down
6694393	7268693	1544196	plexin D1	Plxnd1	312652	1,17	down
6114713	7268693	1544189	plexin D1	Plxnd1	312652	1,15	down
5684983	7268693	1544200	plexin D1	Plxnd1	312652	1,15	up
6264931	7268693	1544202	plexin D1	Plxnd1	312652	1,12	down
5713900	7268693	1544201	plexin D1	Plxnd1	312652	1,10	up
6510140	7268693	1544178	plexin D1	Plxnd1	312652	1,08	down
6355862	7268693	1544199	plexin D1	Plxnd1	312652	1,05	down
6086999	7268693	1544213	plexin D1	Plxnd1	312652	1,05	up
6032333	7268693	1544191	plexin D1	Plxnd1	312652	1,05	down
5957661	7268693	1544190	plexin D1	Plxnd1	312652	1,05	down
6240320	7268693	1544186	plexin D1	Plxnd1	312652	1,04	down
6610563	7268693	1544175	plexin D1	Plxnd1	312652	1,00	down
5776983	7107793	1146479	poliovirus receptor-related 4	Pvrl4	498281	2,62	up
5709037	7107793	1146487	poliovirus receptor-related 4	Pvrl4	498281	1,55	up
6456054	7107793	1146483	poliovirus receptor-related 4	Pvrl4	498281	1,50	down
6515921	7107793	1146479	poliovirus receptor-related 4	Pvrl4	498281	1,36	down
5810657	7107793	1146485	poliovirus receptor-related 4	Pvrl4	498281	1,35	up
6409416	7107793	1146484	poliovirus receptor-related 4	Pvrl4	498281	1,30	down
5646153	7107793	1146486	poliovirus receptor-related 4	Pvrl4	498281	1,20	down

5945468	7107793	1146490	poliovirus receptor-related 4	Pvrl4	498281	1,20	down
6415139	7107793	1146489	poliovirus receptor-related 4	Pvrl4	498281	1,12	up
6451491	7107793	1146489	poliovirus receptor-related 4	Pvrl4	498281	1,02	down
6529431	7107793	1146482	poliovirus receptor-related 4	Pvrl4	498281	1,02	up
6594895	7107793	1146488	poliovirus receptor-related 4	Pvrl4	498281	1,01	down
5707670	7036458	977023	polo-like kinase 1 (Drosophila)	Plk1	25515	2,17	up
6664981	7036458	977034	polo-like kinase 1 (Drosophila)	Plk1	25515	1,85	up
6054703	7036458	977028	polo-like kinase 1 (Drosophila)	Plk1	25515	1,71	down
6576410	7036458	977025	polo-like kinase 1 (Drosophila)	Plk1	25515	1,60	down
6395616	7036458	977027	polo-like kinase 1 (Drosophila)	Plk1	25515	1,52	down
6536873	7036458	977024	polo-like kinase 1 (Drosophila)	Plk1	25515	1,36	down
6191412	7036458	977029	polo-like kinase 1 (Drosophila)	Plk1	25515	1,24	up
6692690	7036458	977032	polo-like kinase 1 (Drosophila)	Plk1	25515	1,24	up
6191409	7036458	977024	polo-like kinase 1 (Drosophila)	Plk1	25515	1,22	down
5676612	7036458	977033	polo-like kinase 1 (Drosophila)	Plk1	25515	1,21	down
5924890	7036458	977030	polo-like kinase 1 (Drosophila)	Plk1	25515	1,18	down
5943502	7036458	977029	polo-like kinase 1 (Drosophila)	Plk1	25515	1,13	up
5878261	7036458	977026	polo-like kinase 1 (Drosophila)	Plk1	25515	1,13	down
6193315	7036458	977031	polo-like kinase 1 (Drosophila)	Plk1	25515	1,03	down
6244353	7189518	1348510	polo-like kinase 2 (Drosophila)	Plk2	83722	2,19	down
6669663	7189518	1348516	polo-like kinase 2 (Drosophila)	Plk2	83722	1,78	up
6466203	7189518	1348513	polo-like kinase 2 (Drosophila)	Plk2	83722	1,78	up
6685311	7189518	1348521	polo-like kinase 2 (Drosophila)	Plk2	83722	1,72	down
6392393	7189518	1348523	polo-like kinase 2 (Drosophila)	Plk2	83722	1,66	down
6143750	7189518	1348512	polo-like kinase 2 (Drosophila)	Plk2	83722	1,36	down
6129173	7189518	1348514	polo-like kinase 2 (Drosophila)	Plk2	83722	1,35	up
5976210	7189518	1348524	polo-like kinase 2 (Drosophila)	Plk2	83722	1,33	down
6553856	7189518	1348518	polo-like kinase 2 (Drosophila)	Plk2	83722	1,33	down
5977933	7189518	1348511	polo-like kinase 2 (Drosophila)	Plk2	83722	1,28	down
6386456	7189518	1348519	polo-like kinase 2 (Drosophila)	Plk2	83722	1,26	down
5706208	7189518	1348517	polo-like kinase 2 (Drosophila)	Plk2	83722	1,21	down
6734185	7189518	1348520	polo-like kinase 2 (Drosophila)	Plk2	83722	1,16	up
5782983	7189518	1348515	polo-like kinase 2 (Drosophila)	Plk2	83722	1,09	up
5676623	7189518	1348522	polo-like kinase 2 (Drosophila)	Plk2	83722	1,04	down
6504614	7108423	1148288	poly (ADP-ribose) polymerase 1	Parp1	25591	2,53	down
6551318	7108423	1148286	poly (ADP-ribose) polymerase 1	Parp1	25591	1,62	up
6062384	7108423	1148274	poly (ADP-ribose) polymerase 1	Parp1	25591	1,53	down
5879717	7108423	1148276	poly (ADP-ribose) polymerase 1	Parp1	25591	1,44	up
6319909	7108423	1148282	poly (ADP-ribose) polymerase 1	Parp1	25591	1,37	up
6443270	7108423	1148283	poly (ADP-ribose) polymerase 1	Parp1	25591	1,36	up
6072584	7108423	1148267	poly (ADP-ribose) polymerase 1	Parp1	25591	1,34	down
6381427	7108423	1148273	poly (ADP-ribose) polymerase 1	Parp1	25591	1,28	up
6283938	7108423	1148270	poly (ADP-ribose) polymerase 1	Parp1	25591	1,27	down
6433915	7108423	1148279	poly (ADP-ribose) polymerase 1	Parp1	25591	1,21	up
5868844	7108423	1148280	poly (ADP-ribose) polymerase 1	Parp1	25591	1,20	up
6265232	7108423	1148285	poly (ADP-ribose) polymerase 1	Parp1	25591	1,18	up
5735855	7108423	1148288	poly (ADP-ribose) polymerase 1	Parp1	25591	1,16	up
6296963	7108423	1148266	poly (ADP-ribose) polymerase 1	Parp1	25591	1,15	down
6432062	7108423	1148281	poly (ADP-ribose) polymerase 1	Parp1	25591	1,11	down
6023511	7108423	1148275	poly (ADP-ribose) polymerase 1	Parp1	25591	1,09	down
6064649	7108423	1148288	poly (ADP-ribose) polymerase 1	Parp1	25591	1,07	down
6206775	7108423	1148272	poly (ADP-ribose) polymerase 1	Parp1	25591	1,07	up
6146465	7108423	1148277	poly (ADP-ribose) polymerase 1	Parp1	25591	1,07	up
6199362	7108423	1148287	poly (ADP-ribose) polymerase 1	Parp1	25591	1,07	down
5996373	7108423	1148284	poly (ADP-ribose) polymerase 1	Parp1	25591	1,06	down
6604760	7108423	1148268	poly (ADP-ribose) polymerase 1	Parp1	25591	1,05	down
6216932	7108423	1148271	poly (ADP-ribose) polymerase 1	Parp1	25591	1,05	up

5752547	7108423	1148278	poly (ADP-ribose) polymerase 1	Parp1	25591	1,04	up
6545125	7108423	1148269	poly (ADP-ribose) polymerase 1	Parp1	25591	1,01	down
5879605	7349772	1744454	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	2,60	up
6701415	7349772	1744446	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,90	down
6424654	7349772	1744448	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,41	up
6336567	7349772	1744455	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,22	up
6495486	7349772	1744450	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,21	up
5737758	7349772	1744447	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,18	up
6056876	7349772	1744452	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,14	up
6590515	7349772	1744449	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,09	down
6449820	7349772	1744453	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,09	down
5813323	7349772	1744456	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,06	down
6265951	7349772	1744451	poly (ADP-ribose) polymerase family, member 3	Parp3	300985	1,03	down
6530078	7336837	1711635	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	2,10	down
5762830	7336837	1711640	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,63	down
6032040	7336837	1711612	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,57	up
6690266	7336837	1711613	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,46	down
6718454	7336837	1711614	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,35	up
6357544	7336837	1711622	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,27	down
5678283	7336837	1711620	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,26	down
5834358	7336837	1711621	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,23	down
6639482	7336837	1711634	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,21	down
6152519	7336837	1711613	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,19	up
5963223	7336837	1711633	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,17	down
6044689	7336837	1711615	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,15	up
6209444	7336837	1711616	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,12	down
6496141	7336837	1711632	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,10	down
6352136	7336837	1711627	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,10	up
6682781	7336837	1711623	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,09	up
5670037	7336837	1711638	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,08	down
6297044	7336837	1711618	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,07	up
6058932	7336837	1711631	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,07	up
5766063	7336837	1711637	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,07	up
6532447	7336837	1711617	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,07	down
6531450	7336837	1711626	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,06	down
6611117	7336837	1711635	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,06	down
6387837	7336837	1711636	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,06	up
5832961	7336837	1711625	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,05	up
6153185	7336837	1711624	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,02	down
5738684	7336837	1711639	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,01	down
6743311	7336837	1711621	poly (ADP-ribose) polymerase family, member 6	Parp6	300759	1,01	down
6310225	7093806	1112147	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	2,62	down
6366690	7093806	1112150	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	2,58	up
6662237	7093806	1112157	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	2,29	up
5784855	7093806	1112163	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	2,06	down
6246953	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	2,01	up
5951632	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,93	up
6168404	7093806	1112152	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,80	up
5885645	7093806	1112158	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,71	up
6289607	7093806	1112148	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,63	up
6207817	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,51	up
6352468	7093806	1112148	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,46	up
5991141	7093806	1112165	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,44	up
6165073	7093806	1112148	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,39	up
6438646	7093806	1112164	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,37	up
5798486	7093806	1112159	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,34	up
6004110	7093806	1112160	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,33	up

5752835	7093806	1112155	poly (ADP-ribose) polymerase family, member 9	Parp9	303905	1,27	up
6495595	7373866	1806263	poly(rC) binding protein 2	Pcbp2	363005	1,47	down
6592825	7373866	1806263	poly(rC) binding protein 2	Pcbp2	363005	1,35	down
5650804	7373866	1806262	poly(rC) binding protein 2	Pcbp2	363005	1,12	down
6444801	7373866	1806261	poly(rC) binding protein 2	Pcbp2	363005	1,07	down
5730047	7360213	1770162	polycystic kidney and hepatic disease 1	Pkhd1	301287	2,36	up
5937480	7360213	1770179	polycystic kidney and hepatic disease 1	Pkhd1	301287	2,30	down
6716232	7360213	1770190	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,76	up
6628372	7360213	1770161	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,57	down
6648201	7360213	1770167	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,23	down
6644880	7360213	1770150	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,23	up
5699172	7360213	1770168	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,23	down
6252616	7360213	1770168	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,20	down
5725201	7360213	1770149	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,19	down
5901724	7360213	1770167	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,18	up
5870509	7360213	1770173	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,17	down
6433624	7360213	1770151	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,16	down
6596211	7360213	1770182	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,15	down
5961114	7360213	1770176	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,15	down
5642717	7360213	1770162	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,14	down
6554331	7360213	1770180	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,13	up
5764445	7360213	1770184	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,11	up
6022787	7360213	1770173	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,10	up
6216745	7360213	1770152	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,08	up
5628544	7360213	1770145	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,06	down
6237985	7360213	1770172	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,06	up
5926350	7360213	1770148	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,05	up
6516141	7360213	1770185	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,05	up
6195484	7360213	1770146	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,05	up
6118692	7360213	1770177	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,04	down
6552029	7360213	1770146	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,04	down
6470549	7360213	1770149	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,04	up
6080879	7360213	1770178	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,02	up
6324494	7360213	1770147	polycystic kidney and hepatic disease 1	Pkhd1	301287	1,01	up
6055245	7154535	1261901	polymerase (DNA directed) sigma	Pols	306672	1,40	down
6533949	7154535	1261909	polymerase (DNA directed) sigma	Pols	306672	1,36	up
5637382	7154535	1261919	polymerase (DNA directed) sigma	Pols	306672	1,34	up
6482552	7154535	1261920	polymerase (DNA directed) sigma	Pols	306672	1,28	down
6692893	7154535	1261917	polymerase (DNA directed) sigma	Pols	306672	1,23	up
5703260	7154535	1261920	polymerase (DNA directed) sigma	Pols	306672	1,17	up
6491520	7154535	1261910	polymerase (DNA directed) sigma	Pols	306672	1,13	down
6179858	7154535	1261911	polymerase (DNA directed) sigma	Pols	306672	1,13	down
5922025	7154535	1261908	polymerase (DNA directed) sigma	Pols	306672	1,10	down
6703544	7154535	1261916	polymerase (DNA directed) sigma	Pols	306672	1,08	up
6472223	7154535	1261914	polymerase (DNA directed) sigma	Pols	306672	1,08	down
6298609	7154535	1261920	polymerase (DNA directed) sigma	Pols	306672	1,07	up
6053203	7154535	1261913	polymerase (DNA directed) sigma	Pols	306672	1,03	down
5922481	7154535	1261912	polymerase (DNA directed) sigma	Pols	306672	1,02	up
6667008	7154535	1261918	polymerase (DNA directed) sigma	Pols	306672	1,02	up
5982806	7154535	1261915	polymerase (DNA directed) sigma	Pols	306672	1,02	down
6167611	7053323	1017192	polymerase (DNA directed), gamma	Polg	85472	2,06	up
6098254	7053323	1017200	polymerase (DNA directed), gamma	Polg	85472	1,64	down
6719272	7053323	1017178	polymerase (DNA directed), gamma	Polg	85472	1,43	down
5703044	7053323	1017186	polymerase (DNA directed), gamma	Polg	85472	1,39	down
6129885	7053323	1017182	polymerase (DNA directed), gamma	Polg	85472	1,34	down
6161354	7053323	1017183	polymerase (DNA directed), gamma	Polg	85472	1,32	up
6702617	7053323	1017187	polymerase (DNA directed), gamma	Polg	85472	1,29	down

6635031	7053323	1017192	polymerase (DNA directed), gamma	Polg	85472	1,28	down
6009372	7053323	1017185	polymerase (DNA directed), gamma	Polg	85472	1,17	down
6038218	7053323	1017188	polymerase (DNA directed), gamma	Polg	85472	1,17	down
6522360	7053323	1017180	polymerase (DNA directed), gamma	Polg	85472	1,16	up
6631638	7053323	1017198	polymerase (DNA directed), gamma	Polg	85472	1,15	up
6726484	7053323	1017179	polymerase (DNA directed), gamma	Polg	85472	1,15	down
6151305	7053323	1017199	polymerase (DNA directed), gamma	Polg	85472	1,14	up
6526798	7053323	1017181	polymerase (DNA directed), gamma	Polg	85472	1,11	down
6379595	7053323	1017197	polymerase (DNA directed), gamma	Polg	85472	1,10	up
6318953	7053323	1017191	polymerase (DNA directed), gamma	Polg	85472	1,08	up
5940148	7053323	1017198	polymerase (DNA directed), gamma	Polg	85472	1,08	up
5930348	7053323	1017200	polymerase (DNA directed), gamma	Polg	85472	1,08	up
5871852	7053323	1017195	polymerase (DNA directed), gamma	Polg	85472	1,07	up
6424634	7053323	1017184	polymerase (DNA directed), gamma	Polg	85472	1,06	up
6372408	7053323	1017189	polymerase (DNA directed), gamma	Polg	85472	1,06	down
6194113	7053323	1017190	polymerase (DNA directed), gamma	Polg	85472	1,04	down
6130822	7053323	1017196	polymerase (DNA directed), gamma	Polg	85472	1,04	up
6297345	7053323	1017194	polymerase (DNA directed), gamma	Polg	85472	1,03	down
6605138	7053323	1017197	polymerase (DNA directed), gamma	Polg	85472	1,01	up
5653846	7053323	1017193	polymerase (DNA directed), gamma	Polg	85472	1,00	down
6468984	7232482	1453960	polymerase (RNA) I polypeptide B	Polr1b	83582	2,27	up
6382244	7232482	1453953	polymerase (RNA) I polypeptide B	Polr1b	83582	1,80	up
5802804	7232482	1453954	polymerase (RNA) I polypeptide B	Polr1b	83582	1,78	up
5893491	7232482	1453963	polymerase (RNA) I polypeptide B	Polr1b	83582	1,63	up
5970957	7232482	1453954	polymerase (RNA) I polypeptide B	Polr1b	83582	1,57	up
6301400	7232482	1453958	polymerase (RNA) I polypeptide B	Polr1b	83582	1,51	up
5788480	7232482	1453950	polymerase (RNA) I polypeptide B	Polr1b	83582	1,51	down
6012758	7232482	1453956	polymerase (RNA) I polypeptide B	Polr1b	83582	1,48	down
6469828	7232482	1453964	polymerase (RNA) I polypeptide B	Polr1b	83582	1,41	up
5822888	7232482	1453959	polymerase (RNA) I polypeptide B	Polr1b	83582	1,36	down
5967469	7232482	1453952	polymerase (RNA) I polypeptide B	Polr1b	83582	1,32	up
6300396	7232482	1453962	polymerase (RNA) I polypeptide B	Polr1b	83582	1,25	down
6415438	7232482	1453957	polymerase (RNA) I polypeptide B	Polr1b	83582	1,25	up
6433546	7232482	1453961	polymerase (RNA) I polypeptide B	Polr1b	83582	1,19	up
5802346	7232482	1453955	polymerase (RNA) I polypeptide B	Polr1b	83582	1,18	down
5665627	7232482	1453963	polymerase (RNA) I polypeptide B	Polr1b	83582	1,04	down
6166373	7232482	1453949	polymerase (RNA) I polypeptide B	Polr1b	83582	1,03	up
6528376	7232482	1453957	polymerase (RNA) I polypeptide B	Polr1b	83582	1,02	up
5737487	7232482	1453951	polymerase (RNA) I polypeptide B	Polr1b	83582	1,01	down
6099459	7312569	1653338	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,37	down
6736857	7312569	1653342	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,35	down
5957885	7312569	1653344	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,35	up
5796268	7312569	1653344	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,32	up
6386997	7312569	1653346	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,27	down
6739255	7312569	1653338	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,25	up
6347221	7312569	1653341	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,14	up
6372336	7312569	1653346	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,10	down
6543029	7312569	1653340	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,05	up
5959656	7312569	1653346	polymerase (RNA) II (DNA directed) polypeptide E, 25kDa	Polr2e	690966	1,05	down
6403388	7031393	963705	polynucleotide kinase 3'-phosphatase	Pnkp	308576	2,23	up
6139658	7031393	963709	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,84	up
6658130	7031393	963708	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,79	down
6061050	7031393	963706	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,76	down
6220388	7031393	963713	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,53	down
6432161	7031393	963698	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,47	down
6621010	7031393	963704	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,44	down
5719656	7031393	963700	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,38	up

6275578	7031393	963699	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,34	down
6359057	7031393	963707	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,25	up
5641029	7031393	963711	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,24	down
5998335	7031393	963714	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,21	down
5623907	7031393	963703	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,18	down
6495194	7031393	963713	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,11	down
6676983	7031393	963712	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,07	up
5648003	7031393	963710	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,02	down
6473932	7031393	963701	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,01	up
6180832	7031393	963702	polynucleotide kinase 3'-phosphatase	Pnkp	308576	1,01	down
5922800	7380108	1820986	polypyrimidine tract-binding protein	Smptb	302879	2,13	down
6612462	7380108	1820988	polypyrimidine tract-binding protein	Smptb	302879	1,38	down
6103837	7380108	1820988	polypyrimidine tract-binding protein	Smptb	302879	1,29	up
6015066	7380108	1820988	polypyrimidine tract-binding protein	Smptb	302879	1,25	up
5723181	7380108	1820989	polypyrimidine tract-binding protein	Smptb	302879	1,20	down
6363178	7380108	1820989	polypyrimidine tract-binding protein	Smptb	302879	1,14	up
6531519	7380108	1820985	polypyrimidine tract-binding protein	Smptb	302879	1,07	up
6523776	7380108	1820987	polypyrimidine tract-binding protein	Smptb	302879	1,05	up
6584788	7380108	1820988	polypyrimidine tract-binding protein	Smptb	302879	1,04	down
6097541	7380108	1820987	polypyrimidine tract-binding protein	Smptb	302879	1,02	down
6178359	7380108	1820989	polypyrimidine tract-binding protein	Smptb	302879	1,02	down
6615222	7380108	1820989	polypyrimidine tract-binding protein	Smptb	302879	1,00	down
6589199	7373634	1805731	porcupine homolog (Drosophila)	Porcn	317368	2,24	down
6286449	7373634	1805723	porcupine homolog (Drosophila)	Porcn	317368	1,52	down
6412675	7373634	1805726	porcupine homolog (Drosophila)	Porcn	317368	1,50	down
5744509	7373634	1805731	porcupine homolog (Drosophila)	Porcn	317368	1,41	down
5780688	7373634	1805728	porcupine homolog (Drosophila)	Porcn	317368	1,37	down
5788828	7373634	1805727	porcupine homolog (Drosophila)	Porcn	317368	1,28	up
6522420	7373634	1805730	porcupine homolog (Drosophila)	Porcn	317368	1,27	up
6126419	7373634	1805720	porcupine homolog (Drosophila)	Porcn	317368	1,23	up
6081624	7373634	1805731	porcupine homolog (Drosophila)	Porcn	317368	1,18	down
5863258	7373634	1805722	porcupine homolog (Drosophila)	Porcn	317368	1,16	down
6140592	7373634	1805727	porcupine homolog (Drosophila)	Porcn	317368	1,09	up
6692294	7373634	1805721	porcupine homolog (Drosophila)	Porcn	317368	1,07	down
6259183	7373634	1805721	porcupine homolog (Drosophila)	Porcn	317368	1,03	down
6485175	7118288	1172982	potassium channel tetramerisation domain containing 8	Kctd8	364148	2,45	down
6147467	7118288	1172995	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,57	up
5821522	7118288	1172982	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,51	down
6059369	7118288	1172981	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,49	up
5726861	7118288	1172981	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,33	up
6530026	7118288	1172982	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,31	up
6290015	7118288	1172981	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,22	down
6683307	7118288	1172982	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,14	down
6355015	7118288	1172982	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,08	down
6089636	7118288	1172995	potassium channel tetramerisation domain containing 8	Kctd8	364148	1,02	down
6593367	7225339	1435431	potassium channel, subfamily T, member 1	Kcnt1	60444	2,02	down
6660567	7225339	1435460	potassium channel, subfamily T, member 1	Kcnt1	60444	1,88	down
6608781	7225339	1435450	potassium channel, subfamily T, member 1	Kcnt1	60444	1,81	down
6683977	7225339	1435435	potassium channel, subfamily T, member 1	Kcnt1	60444	1,78	up
6242432	7225339	1435432	potassium channel, subfamily T, member 1	Kcnt1	60444	1,61	down
5698554	7225339	1435437	potassium channel, subfamily T, member 1	Kcnt1	60444	1,51	up
6537092	7225339	1435459	potassium channel, subfamily T, member 1	Kcnt1	60444	1,41	up
5940366	7225339	1435445	potassium channel, subfamily T, member 1	Kcnt1	60444	1,39	down
6174062	7225339	1435452	potassium channel, subfamily T, member 1	Kcnt1	60444	1,35	up
5628505	7225339	1435438	potassium channel, subfamily T, member 1	Kcnt1	60444	1,33	up
6072304	7225339	1435451	potassium channel, subfamily T, member 1	Kcnt1	60444	1,31	down
5644583	7225339	1435442	potassium channel, subfamily T, member 1	Kcnt1	60444	1,30	down

5922941	7225339	1435454	potassium channel, subfamily T, member 1	Kcnt1	60444	1,28	up
5802117	7225339	1435446	potassium channel, subfamily T, member 1	Kcnt1	60444	1,24	up
6151730	7225339	1435439	potassium channel, subfamily T, member 1	Kcnt1	60444	1,23	up
6275490	7225339	1435449	potassium channel, subfamily T, member 1	Kcnt1	60444	1,20	down
6531750	7225339	1435434	potassium channel, subfamily T, member 1	Kcnt1	60444	1,14	up
5795840	7225339	1435441	potassium channel, subfamily T, member 1	Kcnt1	60444	1,11	down
5865267	7225339	1435433	potassium channel, subfamily T, member 1	Kcnt1	60444	1,10	up
6311517	7225339	1435453	potassium channel, subfamily T, member 1	Kcnt1	60444	1,10	down
5927917	7225339	1435455	potassium channel, subfamily T, member 1	Kcnt1	60444	1,09	down
6723699	7225339	1435440	potassium channel, subfamily T, member 1	Kcnt1	60444	1,08	up
5695657	7225339	1435447	potassium channel, subfamily T, member 1	Kcnt1	60444	1,06	down
6456641	7225339	1435444	potassium channel, subfamily T, member 1	Kcnt1	60444	1,06	down
6738767	7225339	1435458	potassium channel, subfamily T, member 1	Kcnt1	60444	1,05	down
6240237	7225339	1435456	potassium channel, subfamily T, member 1	Kcnt1	60444	1,04	up
5840194	7225339	1435443	potassium channel, subfamily T, member 1	Kcnt1	60444	1,04	up
6478952	7225339	1435448	potassium channel, subfamily T, member 1	Kcnt1	60444	1,03	up
5851765	7225339	1435457	potassium channel, subfamily T, member 1	Kcnt1	60444	1,02	up
6377926	7225339	1435461	potassium channel, subfamily T, member 1	Kcnt1	60444	1,01	down
6104081	7225339	1435436	potassium channel, subfamily T, member 1	Kcnt1	60444	1,01	down
6598541	7192858	1357624	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	2,36	up
5691067	7192858	1357624	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,62	down
5777982	7192858	1357623	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,29	down
6672224	7192858	1357625	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,20	up
5977757	7192858	1357625	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,12	down
6580867	7192858	1357624	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,10	up
6338904	7192858	1357622	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,07	down
5820430	7192858	1357620	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,06	up
6157777	7192858	1357621	potassium large conductance calcium-activated channel, subfamily M, beta member 2	Kcnmb2	294961	1,03	up
6225860	7293515	1605075	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	2,14	up
6101584	7293515	1605074	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,75	down
6527445	7293515	1605069	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,69	up
6332986	7293515	1605076	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,55	up
6571380	7293515	1605072	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,52	up
6414107	7293515	1605067	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,51	down
6175869	7293515	1605068	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,41	down
5761044	7293515	1605061	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,32	down
6233053	7293515	1605063	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,24	down
5690215	7293515	1605076	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,20	down
6510826	7293515	1605062	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,19	up
6313077	7293515	1605071	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,17	up
6253474	7293515	1605064	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,16	up
6548441	7293515	1605070	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,13	down
5666957	7293515	1605073	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,10	down
6121075	7293515	1605066	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,07	down
6493513	7293515	1605065	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,03	up
5721730	7293515	1605075	potassium voltage-gated channel, shaker-related subfamily, beta member 2	Kcnab2	29738	1,00	down
5785589	7320620	1673889	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	2,81	up
6437375	7320620	1673884	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,88	up
6001266	7320620	1673885	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,70	down
6147106	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,59	down
5845843	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,48	up
6113490	7320620	1673898	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,42	up
6530626	7320620	1673886	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,38	down
6687785	7320620	1673887	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,37	up
6153946	7320620	1673890	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,31	down
6505191	7320620	1673894	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,29	up
6532530	7320620	1673891	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcnh3	27150	1,26	down

5981434	7320620	1673892	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,24	up
6409449	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,22	down
6268533	7320620	1673888	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,21	up
6305849	7320620	1673895	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,17	up
6408283	7320620	1673896	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,16	up
6028656	7320620	1673895	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,15	up
6252741	7320620	1673883	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,12	up
5753596	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,08	up
6289024	7320620	1673897	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,03	up
6477970	7320620	1673893	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,03	up
5824231	7320620	1673894	potassium voltage-gated channel, subfamily H (eag-related), member 3	Kcqh3	27150	1,00	down
6672746	7082741	1085561	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	2,73	down
6511680	7082741	1085567	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	2,28	up
6645294	7082741	1085559	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,57	up
6408923	7082741	1085552	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,52	down
5930860	7082741	1085558	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,51	up
5940448	7082741	1085553	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,43	up
6472261	7082741	1085557	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,32	up
5807642	7082741	1085564	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,31	up
6649164	7082741	1085563	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,30	down
6348417	7082741	1085551	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,26	up
6351160	7082741	1085554	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,21	down
6470717	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,20	up
6042721	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,19	up
6281865	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,16	down
6460721	7082741	1085553	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,15	down
5652238	7082741	1085555	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,12	down
5628277	7082741	1085562	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,08	up
6502260	7082741	1085556	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,06	down
6362908	7082741	1085567	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,06	up
5712226	7082741	1085565	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,05	down
6324496	7082741	1085560	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,01	up
6567629	7082741	1085566	potassium voltage-gated channel, subfamily H (eag-related), member 4	Kcqh4	114032	1,01	up
6223883	7072801	1062831	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	2,31	up
6068122	7072801	1062832	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,56	up
5764769	7072801	1062819	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,53	up
6585086	7072801	1062828	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,43	up
5833485	7072801	1062826	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,40	down
6116063	7072801	1062831	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,32	up
6722029	7072801	1062821	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,25	down
6109443	7072801	1062820	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,22	up
6432649	7072801	1062831	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,18	down
5752188	7072801	1062831	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,15	up
6270957	7072801	1062824	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,15	down
5624354	7072801	1062827	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,13	up
6237271	7072801	1062825	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,12	down
6435374	7072801	1062822	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,11	down
6407181	7072801	1062831	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,08	down
5842337	7072801	1062829	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,06	up
6291247	7072801	1062830	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,06	up
6701788	7072801	1062823	potassium voltage-gated channel, subfamily H (eag-related), member 6	Kcqh6	116745	1,04	up
6096079	7038687	982274	potassium voltage-gated channel, subfamily Q, member 1	Kcqh1	84020	2,92	up
6560574	7038687	982279	potassium voltage-gated channel, subfamily Q, member 1	Kcqh1	84020	1,96	down
5623033	7038687	982286	potassium voltage-gated channel, subfamily Q, member 1	Kcqh1	84020	1,85	up
6096339	7038687	982284	potassium voltage-gated channel, subfamily Q, member 1	Kcqh1	84020	1,48	up
6033147	7038687	982280	potassium voltage-gated channel, subfamily Q, member 1	Kcqh1	84020	1,40	up
5937585	7038687	982282	potassium voltage-gated channel, subfamily Q, member 1	Kcqh1	84020	1,31	down

5804817	7038687	982281	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,23	down
6661089	7038687	982273	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,21	down
5703257	7038687	982272	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,11	down
6384742	7038687	982277	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,09	up
6126006	7038687	982281	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,06	down
6319593	7038687	982272	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,04	down
6002364	7038687	982287	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,04	up
6225121	7038687	982274	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,04	down
5766946	7038687	982283	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,02	down
5932849	7038687	982285	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,02	up
5972427	7038687	982276	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,02	up
6103780	7038687	982275	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,01	down
6502103	7038687	982278	potassium voltage-gated channel, subfamily Q, member 1	Kcnq1	84020	1,00	up
6116941	7248936	1494842	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	3,16	up
5962770	7248936	1494849	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	2,41	up
6568471	7248936	1494859	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,64	up
6226007	7248936	1494852	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,62	down
6426613	7248936	1494850	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,58	up
5663480	7248936	1494845	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,52	up
6098630	7248936	1494843	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,52	up
5811051	7248936	1494857	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,46	down
6339891	7248936	1494854	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,38	down
6213884	7248936	1494846	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,22	down
6318024	7248936	1494856	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,22	down
6242699	7248936	1494858	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,17	down
5918109	7248936	1494848	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,15	down
5993116	7248936	1494847	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,14	down
5970387	7248936	1494853	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,12	down
6407778	7248936	1494848	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,10	down
6318846	7248936	1494851	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,09	up
6740990	7248936	1494842	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,08	up
6339277	7248936	1494842	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,07	down
5919187	7248936	1494855	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,06	up
6503483	7248936	1494842	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,05	up
5674314	7248936	1494844	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,03	up
6421010	7248936	1494844	potassium voltage-gated channel, subfamily Q, member 2	Kcnq2	170848	1,01	down
5873064	7328457	1691510	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	2,71	up
6506360	7328457	1691508	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,78	up
6683433	7328457	1691503	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,64	up
5740656	7328457	1691512	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,62	up
5993248	7328457	1691500	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,62	down
6209328	7328457	1691504	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,60	down
6270314	7328457	1691513	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,48	down
6117878	7328457	1691515	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,43	down
6139555	7328457	1691512	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,41	down
6506692	7328457	1691514	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,40	down
6032274	7328457	1691498	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,37	down
6399908	7328457	1691507	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,32	up
6156527	7328457	1691505	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,30	down
5648197	7328457	1691506	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,26	up
6084896	7328457	1691511	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,19	up
6330445	7328457	1691499	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,17	down
5627778	7328457	1691498	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,09	up
6442434	7328457	1691509	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,09	up
6211257	7328457	1691498	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,04	up
6569339	7328457	1691501	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,01	up
5984777	7328457	1691502	potassium voltage-gated channel, subfamily Q, member 3	Kcnq3	29682	1,00	up

6490227	7360325	1770519	potassium voltage-gated channel, subfamily Q, member 5-like	Kcnq51	259273	1,38	up
5834689	7360325	1770520	potassium voltage-gated channel, subfamily Q, member 5-like	Kcnq51	259273	1,05	up
6286402	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	3,01	down
6222752	7344630	1731950	POU class 2 homeobox 3	Pou2f3	116544	1,89	down
5962780	7344630	1731949	POU class 2 homeobox 3	Pou2f3	116544	1,85	down
6566502	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,73	down
5907980	7344630	1731959	POU class 2 homeobox 3	Pou2f3	116544	1,63	up
5977773	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,59	up
6112017	7344630	1731957	POU class 2 homeobox 3	Pou2f3	116544	1,52	up
6173192	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,44	down
6202841	7344630	1731955	POU class 2 homeobox 3	Pou2f3	116544	1,22	up
6521125	7344630	1731945	POU class 2 homeobox 3	Pou2f3	116544	1,19	up
6283619	7344630	1731940	POU class 2 homeobox 3	Pou2f3	116544	1,11	down
5949752	7344630	1731939	POU class 2 homeobox 3	Pou2f3	116544	1,10	down
6334946	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,08	down
6488101	7344630	1731943	POU class 2 homeobox 3	Pou2f3	116544	1,07	down
6618961	7344630	1731948	POU class 2 homeobox 3	Pou2f3	116544	1,06	up
6703066	7344630	1731947	POU class 2 homeobox 3	Pou2f3	116544	1,06	up
5654494	7344630	1731948	POU class 2 homeobox 3	Pou2f3	116544	1,05	down
5638769	7344630	1731937	POU class 2 homeobox 3	Pou2f3	116544	1,04	up
5817852	7344630	1731959	POU class 2 homeobox 3	Pou2f3	116544	1,04	up
5747986	7344630	1731946	POU class 2 homeobox 3	Pou2f3	116544	1,03	up
6612234	7304938	1634833	PQ loop repeat containing 3	Pqlc3	298906	2,53	up
6344250	7304938	1634829	PQ loop repeat containing 3	Pqlc3	298906	1,60	up
5726421	7304938	1634830	PQ loop repeat containing 3	Pqlc3	298906	1,27	down
6101856	7304938	1634832	PQ loop repeat containing 3	Pqlc3	298906	1,20	up
6234298	7304938	1634835	PQ loop repeat containing 3	Pqlc3	298906	1,20	down
6173774	7304938	1634835	PQ loop repeat containing 3	Pqlc3	298906	1,15	down
6213048	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,14	down
5700457	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,11	down
6279735	7304938	1634836	PQ loop repeat containing 3	Pqlc3	298906	1,10	down
5745814	7304938	1634834	PQ loop repeat containing 3	Pqlc3	298906	1,10	down
6525005	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,06	down
5931376	7304938	1634831	PQ loop repeat containing 3	Pqlc3	298906	1,05	up
6042013	7304938	1634832	PQ loop repeat containing 3	Pqlc3	298906	1,04	up
6635123	7224182	1432758	PR domain containing 1, with ZNF domain	Prdm1	309871	2,43	up
5647043	7224182	1432754	PR domain containing 1, with ZNF domain	Prdm1	309871	1,39	up
5824121	7224182	1432760	PR domain containing 1, with ZNF domain	Prdm1	309871	1,23	up
5635314	7224182	1432766	PR domain containing 1, with ZNF domain	Prdm1	309871	1,23	down
5865545	7224182	1432766	PR domain containing 1, with ZNF domain	Prdm1	309871	1,16	down
5961719	7224182	1432757	PR domain containing 1, with ZNF domain	Prdm1	309871	1,15	up
6080498	7224182	1432755	PR domain containing 1, with ZNF domain	Prdm1	309871	1,12	up
6528000	7224182	1432755	PR domain containing 1, with ZNF domain	Prdm1	309871	1,11	down
5981825	7224182	1432762	PR domain containing 1, with ZNF domain	Prdm1	309871	1,09	up
6631091	7224182	1432756	PR domain containing 1, with ZNF domain	Prdm1	309871	1,04	down
6692309	7275927	1562356	pregnancy-associated plasma protein A	Pappa	313262	3,38	up
6496915	7275927	1562407	pregnancy-associated plasma protein A	Pappa	313262	2,93	down
5898423	7275927	1562348	pregnancy-associated plasma protein A	Pappa	313262	2,45	up
5779676	7275927	1562348	pregnancy-associated plasma protein A	Pappa	313262	2,32	up
6538250	7275927	1562355	pregnancy-associated plasma protein A	Pappa	313262	2,29	up
6568710	7275927	1562388	pregnancy-associated plasma protein A	Pappa	313262	1,75	down
6469479	7275927	1562389	pregnancy-associated plasma protein A	Pappa	313262	1,73	down
6209046	7275927	1562393	pregnancy-associated plasma protein A	Pappa	313262	1,72	down
5970229	7275927	1562387	pregnancy-associated plasma protein A	Pappa	313262	1,45	up
5836632	7275927	1562384	pregnancy-associated plasma protein A	Pappa	313262	1,44	down
6201231	7275927	1562387	pregnancy-associated plasma protein A	Pappa	313262	1,44	down
6222409	7275927	1562365	pregnancy-associated plasma protein A	Pappa	313262	1,36	down

6254329	7275927	1562358	pregnancy-associated plasma protein A	Pappa	313262	1,35	down
6202955	7275927	1562357	pregnancy-associated plasma protein A	Pappa	313262	1,35	up
5843974	7275927	1562406	pregnancy-associated plasma protein A	Pappa	313262	1,26	down
6367016	7275927	1562401	pregnancy-associated plasma protein A	Pappa	313262	1,22	down
5767339	7275927	1562409	pregnancy-associated plasma protein A	Pappa	313262	1,16	up
6698488	7275927	1562409	pregnancy-associated plasma protein A	Pappa	313262	1,15	down
6063693	7275927	1562372	pregnancy-associated plasma protein A	Pappa	313262	1,14	down
5753790	7275927	1562359	pregnancy-associated plasma protein A	Pappa	313262	1,11	down
5801182	7275927	1562389	pregnancy-associated plasma protein A	Pappa	313262	1,10	down
5729539	7275927	1562338	pregnancy-associated plasma protein A	Pappa	313262	1,10	up
6307161	7275927	1562364	pregnancy-associated plasma protein A	Pappa	313262	1,05	down
5905847	7275927	1562394	pregnancy-associated plasma protein A	Pappa	313262	1,03	down
5693948	7275927	1562402	pregnancy-associated plasma protein A	Pappa	313262	1,02	down
6072280	7275927	1562385	pregnancy-associated plasma protein A	Pappa	313262	1,01	down
6457623	7176362	1315500	prenylcysteine oxidase 1 like	Pcyox11	307396	2,26	down
6358173	7176362	1315500	prenylcysteine oxidase 1 like	Pcyox11	307396	1,65	up
6259520	7176362	1315504	prenylcysteine oxidase 1 like	Pcyox11	307396	1,56	down
5838409	7176362	1315505	prenylcysteine oxidase 1 like	Pcyox11	307396	1,43	down
6663789	7176362	1315505	prenylcysteine oxidase 1 like	Pcyox11	307396	1,30	down
6335080	7176362	1315502	prenylcysteine oxidase 1 like	Pcyox11	307396	1,27	down
6258198	7176362	1315503	prenylcysteine oxidase 1 like	Pcyox11	307396	1,22	up
5898182	7176362	1315509	prenylcysteine oxidase 1 like	Pcyox11	307396	1,05	up
6406883	7139220	1223981	prepronociceptin	Pnoc	25516	2,35	down
5766982	7139220	1223982	prepronociceptin	Pnoc	25516	1,59	up
6219957	7139220	1223980	prepronociceptin	Pnoc	25516	1,32	down
6095501	7139220	1223978	prepronociceptin	Pnoc	25516	1,14	down
6682131	7139220	1223981	prepronociceptin	Pnoc	25516	1,11	up
6209583	7139220	1223979	prepronociceptin	Pnoc	25516	1,02	up
6418138	7139220	1223981	prepronociceptin	Pnoc	25516	1,01	down
6746569	7264158	1532884	preprotrypsinogen IV	LOC286960	286960	2,47	up
6001432	7264158	1532883	preprotrypsinogen IV	LOC286960	286960	1,62	down
6620444	7264158	1532883	preprotrypsinogen IV	LOC286960	286960	1,56	up
6298510	7264158	1532881	preprotrypsinogen IV	LOC286960	286960	1,46	up
6027503	7264158	1532882	preprotrypsinogen IV	LOC286960	286960	1,16	up
6190972	7264158	1532880	preprotrypsinogen IV	LOC286960	286960	1,02	up
6447449	7267362	1540314	prickle homolog 2 (Drosophila)	Prickle2	312563	1,54	up
5684548	7267362	1540319	prickle homolog 2 (Drosophila)	Prickle2	312563	1,53	up
6349855	7267362	1540314	prickle homolog 2 (Drosophila)	Prickle2	312563	1,42	up
6361045	7267362	1540305	prickle homolog 2 (Drosophila)	Prickle2	312563	1,17	up
6474183	7267362	1540306	prickle homolog 2 (Drosophila)	Prickle2	312563	1,17	down
5842369	7267362	1540316	prickle homolog 2 (Drosophila)	Prickle2	312563	1,14	up
6310991	7267362	1540317	prickle homolog 2 (Drosophila)	Prickle2	312563	1,10	down
6666063	7267362	1540324	prickle homolog 2 (Drosophila)	Prickle2	312563	1,06	down
6072576	7267362	1540315	prickle homolog 2 (Drosophila)	Prickle2	312563	1,05	up
6672571	7267362	1540315	prickle homolog 2 (Drosophila)	Prickle2	312563	1,04	down
6595749	7267362	1540318	prickle homolog 2 (Drosophila)	Prickle2	312563	1,02	up
5805831	7314703	1658729	PRKC, apoptosis, WT1, regulator	Pawr	64513	2,16	up
5720963	7314703	1658726	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,92	down
6166691	7314703	1658731	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,73	up
6409776	7314703	1658726	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,52	down
5738279	7314703	1658727	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,37	up
6721712	7314703	1658726	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,19	down
6194175	7314703	1658730	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,16	up
5814157	7314703	1658728	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,15	up
6051260	7314703	1658726	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,14	down
6166008	7314703	1658726	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,12	down
6458232	7314703	1658732	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,05	up

6053916	7314703	1658726	PRKC, apoptosis, WT1, regulator	Pawr	64513	1,01	up
5876446	7097454	1120873	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	2,84	down
5724518	7097454	1120878	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,33	up
6546378	7097454	1120873	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,25	down
5630308	7097454	1120875	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,25	up
6518015	7097454	1120879	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,23	up
6452133	7097454	1120874	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,07	down
5734640	7097454	1120877	Prkr interacting protein 1 (IL11 inducible)	Prkrip1	498171	1,05	up
6680237	7316063	1662330	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	2,23	up
6411372	7316063	1662334	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	2,10	down
6600367	7316063	1662331	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,67	down
6434107	7316063	1662341	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,53	down
6526753	7316063	1662345	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,51	down
5637522	7316063	1662339	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,51	down
6172921	7316063	1662345	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,47	up
5626851	7316063	1662329	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,45	up
6033259	7316063	1662344	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,26	down
6511363	7316063	1662345	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,23	up
6468884	7316063	1662332	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,22	up
5972747	7316063	1662328	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,21	up
6260808	7316063	1662343	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,17	down
6548491	7316063	1662326	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,17	up
6147877	7316063	1662345	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,15	up
6131430	7316063	1662332	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,13	down
6425660	7316063	1662325	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,12	up
6461614	7316063	1662325	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,11	up
6411194	7316063	1662323	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,11	up
6556634	7316063	1662333	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,10	down
6737401	7316063	1662345	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,08	up
6263261	7316063	1662345	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,06	up
5854566	7316063	1662346	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,06	down
6283743	7316063	1662335	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,04	up
6549189	7316063	1662334	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,03	down
6741665	7316063	1662334	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,02	down
6288399	7316063	1662327	processing of precursor 1, ribonuclease P/MRP subunit (S. cerevisiae)	Pop1	315045	1,01	up
5776038	7365183	1781941	procollagen, type VI, alpha 3	Col6a3	367313	1,66	down
6618950	7365183	1781923	procollagen, type VI, alpha 3	Col6a3	367313	1,62	up
6334172	7365183	1781926	procollagen, type VI, alpha 3	Col6a3	367313	1,60	down
6148756	7365183	1781933	procollagen, type VI, alpha 3	Col6a3	367313	1,49	down
6362720	7365183	1781937	procollagen, type VI, alpha 3	Col6a3	367313	1,45	up
5825017	7365183	1781936	procollagen, type VI, alpha 3	Col6a3	367313	1,44	down
6048102	7365183	1781945	procollagen, type VI, alpha 3	Col6a3	367313	1,39	up
6732985	7365183	1781940	procollagen, type VI, alpha 3	Col6a3	367313	1,32	down
6023043	7365183	1781924	procollagen, type VI, alpha 3	Col6a3	367313	1,28	up
5766354	7365183	1781927	procollagen, type VI, alpha 3	Col6a3	367313	1,27	down
6608834	7365183	1781925	procollagen, type VI, alpha 3	Col6a3	367313	1,19	down
5891174	7365183	1781934	procollagen, type VI, alpha 3	Col6a3	367313	1,17	down
6129551	7365183	1781922	procollagen, type VI, alpha 3	Col6a3	367313	1,17	up
6343705	7365183	1781925	procollagen, type VI, alpha 3	Col6a3	367313	1,17	up
5738070	7365183	1781930	procollagen, type VI, alpha 3	Col6a3	367313	1,17	up
6362543	7365183	1781932	procollagen, type VI, alpha 3	Col6a3	367313	1,15	up
6323926	7365183	1781946	procollagen, type VI, alpha 3	Col6a3	367313	1,13	down
6233004	7365183	1781944	procollagen, type VI, alpha 3	Col6a3	367313	1,11	down
5996584	7365183	1781929	procollagen, type VI, alpha 3	Col6a3	367313	1,10	up
6019851	7365183	1781938	procollagen, type VI, alpha 3	Col6a3	367313	1,09	up
5716629	7365183	1781939	procollagen, type VI, alpha 3	Col6a3	367313	1,08	down
5912960	7365183	1781922	procollagen, type VI, alpha 3	Col6a3	367313	1,07	up

5977249	7365183	1781931	procollagen, type VI, alpha 3	Col6a3	367313	1,01	up
6643334	7365183	1781928	procollagen, type VI, alpha 3	Col6a3	367313	1,01	up
6323407	7365183	1781944	procollagen, type VI, alpha 3	Col6a3	367313	1,01	down
6421568	7340506	1721329	procollagen, type VII, alpha 1	Col7a1	301012	5,18	up
5962949	7340506	1721315	procollagen, type VII, alpha 1	Col7a1	301012	3,76	down
5854673	7340506	1721323	procollagen, type VII, alpha 1	Col7a1	301012	2,55	up
6235286	7340506	1721362	procollagen, type VII, alpha 1	Col7a1	301012	2,35	up
5964019	7340506	1721351	procollagen, type VII, alpha 1	Col7a1	301012	2,22	up
5658874	7340506	1721304	procollagen, type VII, alpha 1	Col7a1	301012	2,11	up
6526650	7340506	1721284	procollagen, type VII, alpha 1	Col7a1	301012	2,09	down
6151248	7340506	1721335	procollagen, type VII, alpha 1	Col7a1	301012	1,95	up
5731558	7340506	1721340	procollagen, type VII, alpha 1	Col7a1	301012	1,83	down
6411702	7340506	1721342	procollagen, type VII, alpha 1	Col7a1	301012	1,77	down
5790214	7340506	1721346	procollagen, type VII, alpha 1	Col7a1	301012	1,75	up
6558919	7340506	1721287	procollagen, type VII, alpha 1	Col7a1	301012	1,70	down
6127235	7340506	1721279	procollagen, type VII, alpha 1	Col7a1	301012	1,65	up
6730021	7340506	1721341	procollagen, type VII, alpha 1	Col7a1	301012	1,65	up
6167376	7340506	1721273	procollagen, type VII, alpha 1	Col7a1	301012	1,63	up
6378803	7340506	1721265	procollagen, type VII, alpha 1	Col7a1	301012	1,62	down
6508366	7340506	1721309	procollagen, type VII, alpha 1	Col7a1	301012	1,59	up
5743896	7340506	1721307	procollagen, type VII, alpha 1	Col7a1	301012	1,52	up
5738931	7340506	1721266	procollagen, type VII, alpha 1	Col7a1	301012	1,51	up
6713298	7340506	1721332	procollagen, type VII, alpha 1	Col7a1	301012	1,48	down
6228539	7340506	1721328	procollagen, type VII, alpha 1	Col7a1	301012	1,45	down
6318580	7340506	1721337	procollagen, type VII, alpha 1	Col7a1	301012	1,45	down
6283956	7340506	1721317	procollagen, type VII, alpha 1	Col7a1	301012	1,44	down
6110467	7340506	1721322	procollagen, type VII, alpha 1	Col7a1	301012	1,44	up
6188367	7340506	1721275	procollagen, type VII, alpha 1	Col7a1	301012	1,43	up
5730147	7340506	1721293	procollagen, type VII, alpha 1	Col7a1	301012	1,43	down
6313985	7340506	1721270	procollagen, type VII, alpha 1	Col7a1	301012	1,42	down
6371023	7340506	1721264	procollagen, type VII, alpha 1	Col7a1	301012	1,42	up
6523273	7340506	1721306	procollagen, type VII, alpha 1	Col7a1	301012	1,42	down
6021148	7340506	1721276	procollagen, type VII, alpha 1	Col7a1	301012	1,41	up
5686626	7340506	1721331	procollagen, type VII, alpha 1	Col7a1	301012	1,40	up
5792306	7340506	1721290	procollagen, type VII, alpha 1	Col7a1	301012	1,39	up
6247739	7340506	1721325	procollagen, type VII, alpha 1	Col7a1	301012	1,39	down
5959798	7340506	1721302	procollagen, type VII, alpha 1	Col7a1	301012	1,39	up
6228604	7340506	1721281	procollagen, type VII, alpha 1	Col7a1	301012	1,39	down
6284418	7340506	1721259	procollagen, type VII, alpha 1	Col7a1	301012	1,38	up
6050693	7340506	1721363	procollagen, type VII, alpha 1	Col7a1	301012	1,35	down
6382342	7340506	1721291	procollagen, type VII, alpha 1	Col7a1	301012	1,34	down
6575814	7340506	1721354	procollagen, type VII, alpha 1	Col7a1	301012	1,33	down
6356041	7340506	1721276	procollagen, type VII, alpha 1	Col7a1	301012	1,33	up
6250676	7340506	1721336	procollagen, type VII, alpha 1	Col7a1	301012	1,33	down
6114483	7340506	1721311	procollagen, type VII, alpha 1	Col7a1	301012	1,32	up
5996601	7340506	1721364	procollagen, type VII, alpha 1	Col7a1	301012	1,31	up
6346123	7340506	1721359	procollagen, type VII, alpha 1	Col7a1	301012	1,30	up
6109596	7340506	1721258	procollagen, type VII, alpha 1	Col7a1	301012	1,29	down
6275785	7340506	1721305	procollagen, type VII, alpha 1	Col7a1	301012	1,28	down
6737117	7340506	1721283	procollagen, type VII, alpha 1	Col7a1	301012	1,27	up
5831339	7340506	1721320	procollagen, type VII, alpha 1	Col7a1	301012	1,25	up
6592369	7340506	1721262	procollagen, type VII, alpha 1	Col7a1	301012	1,25	down
5881827	7340506	1721339	procollagen, type VII, alpha 1	Col7a1	301012	1,25	up
6224334	7340506	1721348	procollagen, type VII, alpha 1	Col7a1	301012	1,25	up
6115480	7340506	1721355	procollagen, type VII, alpha 1	Col7a1	301012	1,24	down
5734799	7340506	1721285	procollagen, type VII, alpha 1	Col7a1	301012	1,24	down
5674418	7340506	1721363	procollagen, type VII, alpha 1	Col7a1	301012	1,23	up

6012643	7340506	1721356	procollagen, type VII, alpha 1	Col7a1	301012	1,22	up
5741049	7340506	1721255	procollagen, type VII, alpha 1	Col7a1	301012	1,22	up
5925691	7340506	1721271	procollagen, type VII, alpha 1	Col7a1	301012	1,22	up
6385329	7340506	1721263	procollagen, type VII, alpha 1	Col7a1	301012	1,22	up
5836744	7340506	1721289	procollagen, type VII, alpha 1	Col7a1	301012	1,22	down
6091504	7340506	1721295	procollagen, type VII, alpha 1	Col7a1	301012	1,21	down
5722383	7340506	1721278	procollagen, type VII, alpha 1	Col7a1	301012	1,20	down
5747105	7340506	1721324	procollagen, type VII, alpha 1	Col7a1	301012	1,19	down
6298777	7340506	1721312	procollagen, type VII, alpha 1	Col7a1	301012	1,19	down
6104009	7340506	1721268	procollagen, type VII, alpha 1	Col7a1	301012	1,19	down
5757541	7340506	1721296	procollagen, type VII, alpha 1	Col7a1	301012	1,19	down
6403951	7340506	1721256	procollagen, type VII, alpha 1	Col7a1	301012	1,18	up
6091553	7340506	1721297	procollagen, type VII, alpha 1	Col7a1	301012	1,17	down
5709301	7340506	1721336	procollagen, type VII, alpha 1	Col7a1	301012	1,16	down
6710078	7340506	1721357	procollagen, type VII, alpha 1	Col7a1	301012	1,15	down
6555540	7340506	1721269	procollagen, type VII, alpha 1	Col7a1	301012	1,15	down
6656230	7340506	1721294	procollagen, type VII, alpha 1	Col7a1	301012	1,15	up
6008032	7340506	1721267	procollagen, type VII, alpha 1	Col7a1	301012	1,14	down
6491706	7340506	1721326	procollagen, type VII, alpha 1	Col7a1	301012	1,14	down
6677460	7340506	1721299	procollagen, type VII, alpha 1	Col7a1	301012	1,14	up
5982176	7340506	1721321	procollagen, type VII, alpha 1	Col7a1	301012	1,13	up
5833947	7340506	1721282	procollagen, type VII, alpha 1	Col7a1	301012	1,13	up
6504649	7340506	1721330	procollagen, type VII, alpha 1	Col7a1	301012	1,13	up
6593055	7340506	1721292	procollagen, type VII, alpha 1	Col7a1	301012	1,12	up
5884835	7340506	1721300	procollagen, type VII, alpha 1	Col7a1	301012	1,11	down
6460397	7340506	1721331	procollagen, type VII, alpha 1	Col7a1	301012	1,11	up
5756117	7340506	1721286	procollagen, type VII, alpha 1	Col7a1	301012	1,11	up
5761292	7340506	1721316	procollagen, type VII, alpha 1	Col7a1	301012	1,10	up
5793884	7340506	1721257	procollagen, type VII, alpha 1	Col7a1	301012	1,10	down
6067092	7340506	1721329	procollagen, type VII, alpha 1	Col7a1	301012	1,09	down
5935120	7340506	1721313	procollagen, type VII, alpha 1	Col7a1	301012	1,09	up
5873600	7340506	1721303	procollagen, type VII, alpha 1	Col7a1	301012	1,09	up
6186197	7340506	1721261	procollagen, type VII, alpha 1	Col7a1	301012	1,09	up
6219144	7340506	1721318	procollagen, type VII, alpha 1	Col7a1	301012	1,08	down
5759667	7340506	1721280	procollagen, type VII, alpha 1	Col7a1	301012	1,08	down
5711166	7340506	1721274	procollagen, type VII, alpha 1	Col7a1	301012	1,08	up
6697422	7340506	1721345	procollagen, type VII, alpha 1	Col7a1	301012	1,08	up
6670943	7340506	1721358	procollagen, type VII, alpha 1	Col7a1	301012	1,07	up
5703984	7340506	1721361	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
6187783	7340506	1721344	procollagen, type VII, alpha 1	Col7a1	301012	1,07	up
6002995	7340506	1721310	procollagen, type VII, alpha 1	Col7a1	301012	1,07	down
5782297	7340506	1721298	procollagen, type VII, alpha 1	Col7a1	301012	1,06	down
5909738	7340506	1721352	procollagen, type VII, alpha 1	Col7a1	301012	1,06	down
5958362	7340506	1721308	procollagen, type VII, alpha 1	Col7a1	301012	1,06	down
6317946	7340506	1721278	procollagen, type VII, alpha 1	Col7a1	301012	1,06	up
5927701	7340506	1721277	procollagen, type VII, alpha 1	Col7a1	301012	1,05	up
5791675	7340506	1721350	procollagen, type VII, alpha 1	Col7a1	301012	1,04	up
6259904	7340506	1721360	procollagen, type VII, alpha 1	Col7a1	301012	1,04	down
5708101	7340506	1721365	procollagen, type VII, alpha 1	Col7a1	301012	1,03	down
5992414	7340506	1721334	procollagen, type VII, alpha 1	Col7a1	301012	1,03	down
6301162	7340506	1721272	procollagen, type VII, alpha 1	Col7a1	301012	1,03	up
5622503	7340506	1721347	procollagen, type VII, alpha 1	Col7a1	301012	1,03	down
6391891	7340506	1721327	procollagen, type VII, alpha 1	Col7a1	301012	1,02	up
5910135	7340506	1721343	procollagen, type VII, alpha 1	Col7a1	301012	1,02	down
5645738	7340506	1721316	procollagen, type VII, alpha 1	Col7a1	301012	1,02	down
6391232	7340506	1721301	procollagen, type VII, alpha 1	Col7a1	301012	1,01	up
6269954	7340506	1721260	procollagen, type VII, alpha 1	Col7a1	301012	1,01	up

5752971	7340506	1721288	procollagen, type VII, alpha 1	Col7a1	301012	1,01	down
5903363	7340506	1721333	procollagen, type VII, alpha 1	Col7a1	301012	1,01	up
6329601	7340506	1721319	procollagen, type VII, alpha 1	Col7a1	301012	1,01	up
6719254	7340506	1721349	procollagen, type VII, alpha 1	Col7a1	301012	1,00	up
5997515	7340506	1721314	procollagen, type VII, alpha 1	Col7a1	301012	1,00	up
6152423	7292975	1603761	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	2,06	up
5858715	7292975	1603758	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,90	down
5818847	7292975	1603760	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,64	down
6358547	7292975	1603759	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,47	up
5793589	7292975	1603757	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,28	down
5840503	7292975	1603746	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,24	up
5968493	7292975	1603748	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,17	up
5854969	7292975	1603755	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,17	down
5661885	7292975	1603753	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,15	up
6184648	7292975	1603752	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,13	up
6063665	7292975	1603754	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,08	up
6056858	7292975	1603751	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,07	down
5813076	7292975	1603750	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,07	up
6191371	7292975	1603762	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,06	down
6274666	7292975	1603756	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,05	up
6469089	7292975	1603762	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,03	down
5917167	7292975	1603749	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,02	up
6475502	7292975	1603747	procollagen-lysine 1, 2-oxoglutarate 5-dioxygenase 1	Plod1	116552	1,00	up
6174848	7370002	1795783	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	2,08	up
5932451	7370002	1795771	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,57	down
5709060	7370002	1795783	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,37	down
5891569	7370002	1795770	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,37	down
5768813	7370002	1795784	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,37	down
6003117	7370002	1795769	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,26	down
6562465	7370002	1795781	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,25	down
6370845	7370002	1795787	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,24	down
6718393	7370002	1795789	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,22	up
6433722	7370002	1795768	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,15	down
6593244	7370002	1795786	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,13	up
5879669	7370002	1795766	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,11	up
5860648	7370002	1795775	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,10	up
6022515	7370002	1795785	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,09	up
5699684	7370002	1795780	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,09	down
6514733	7370002	1795766	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,04	down
6620763	7370002	1795772	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,02	down
6222972	7370002	1795782	procollagen-proline, 2-oxoglutarate 4-dioxygenase (proline 4-hydroxylase), alpha polypeptide I	P4ha1	64475	1,00	up
6545643	7116759	1169128	progesterin and adipoQ receptor family member III	Paqr3	305203	2,11	up
6687512	7116759	1169127	progesterin and adipoQ receptor family member III	Paqr3	305203	1,72	up
6362103	7116759	1169122	progesterin and adipoQ receptor family member III	Paqr3	305203	1,48	up
5825163	7116759	1169123	progesterin and adipoQ receptor family member III	Paqr3	305203	1,47	down
5774427	7116759	1169127	progesterin and adipoQ receptor family member III	Paqr3	305203	1,30	down
6701529	7116759	1169122	progesterin and adipoQ receptor family member III	Paqr3	305203	1,18	down
5929777	7116759	1169124	progesterin and adipoQ receptor family member III	Paqr3	305203	1,14	down
5874213	7116759	1169126	progesterin and adipoQ receptor family member III	Paqr3	305203	1,08	down
6394450	7116759	1169125	progesterin and adipoQ receptor family member III	Paqr3	305203	1,03	up
6295555	7190623	1351514	prolactin receptor	Prlr	24684	2,86	up
6372019	7190623	1351519	prolactin receptor	Prlr	24684	2,67	up
6288577	7190623	1351515	prolactin receptor	Prlr	24684	2,38	down
5831983	7190623	1351518	prolactin receptor	Prlr	24684	2,05	down
6453213	7190623	1351517	prolactin receptor	Prlr	24684	1,46	up
6289161	7190623	1351520	prolactin receptor	Prlr	24684	1,42	down
6404831	7190623	1351522	prolactin receptor	Prlr	24684	1,32	up

6745867	7190623	1351523	prolactin receptor	Prlr	24684	1,29	up
6344983	7190623	1351516	prolactin receptor	Prlr	24684	1,29	up
5846153	7190623	1351523	prolactin receptor	Prlr	24684	1,23	down
6579370	7190623	1351522	prolactin receptor	Prlr	24684	1,17	down
5986190	7190623	1351517	prolactin receptor	Prlr	24684	1,15	up
5640564	7190623	1351519	prolactin receptor	Prlr	24684	1,14	down
6100935	7190623	1351522	prolactin receptor	Prlr	24684	1,13	up
5879956	7190623	1351521	prolactin receptor	Prlr	24684	1,10	down
5911956	7190623	1351521	prolactin receptor	Prlr	24684	1,04	up
6637013	7119590	1176210	prominin 1	Prom1	60357	2,06	down
6549741	7119590	1176208	prominin 1	Prom1	60357	1,74	down
6715419	7119590	1176219	prominin 1	Prom1	60357	1,48	up
6333737	7119590	1176201	prominin 1	Prom1	60357	1,44	up
5744059	7119590	1176201	prominin 1	Prom1	60357	1,36	up
6328241	7119590	1176205	prominin 1	Prom1	60357	1,35	up
5643702	7119590	1176217	prominin 1	Prom1	60357	1,33	up
6049200	7119590	1176222	prominin 1	Prom1	60357	1,32	down
6310006	7119590	1176221	prominin 1	Prom1	60357	1,31	down
6249498	7119590	1176212	prominin 1	Prom1	60357	1,28	up
6001675	7119590	1176204	prominin 1	Prom1	60357	1,23	up
5650446	7119590	1176206	prominin 1	Prom1	60357	1,22	up
6652482	7119590	1176203	prominin 1	Prom1	60357	1,21	up
5927465	7119590	1176211	prominin 1	Prom1	60357	1,21	up
6242949	7119590	1176209	prominin 1	Prom1	60357	1,19	down
6378853	7119590	1176213	prominin 1	Prom1	60357	1,19	up
6267443	7119590	1176212	prominin 1	Prom1	60357	1,15	down
5721687	7119590	1176201	prominin 1	Prom1	60357	1,14	down
5848612	7119590	1176216	prominin 1	Prom1	60357	1,13	down
6395531	7119590	1176223	prominin 1	Prom1	60357	1,11	down
6712072	7119590	1176218	prominin 1	Prom1	60357	1,09	down
6577488	7119590	1176214	prominin 1	Prom1	60357	1,08	up
6106312	7119590	1176207	prominin 1	Prom1	60357	1,06	up
5967223	7119590	1176215	prominin 1	Prom1	60357	1,04	down
6583480	7119590	1176220	prominin 1	Prom1	60357	1,04	up
6179897	7119590	1176203	prominin 1	Prom1	60357	1,04	down
6696888	7119590	1176202	prominin 1	Prom1	60357	1,01	up
6314367	7244569	1484690	prominin 2	Prom2	192211	2,42	up
6645507	7244569	1484690	prominin 2	Prom2	192211	1,74	down
5917872	7244569	1484687	prominin 2	Prom2	192211	1,61	down
5724146	7244569	1484682	prominin 2	Prom2	192211	1,60	up
6643682	7244569	1484694	prominin 2	Prom2	192211	1,56	up
5762112	7244569	1484671	prominin 2	Prom2	192211	1,32	down
6528289	7244569	1484681	prominin 2	Prom2	192211	1,30	down
6497044	7244569	1484692	prominin 2	Prom2	192211	1,24	down
6581810	7244569	1484674	prominin 2	Prom2	192211	1,20	up
6425591	7244569	1484672	prominin 2	Prom2	192211	1,19	down
6106327	7244569	1484680	prominin 2	Prom2	192211	1,18	up
6215669	7244569	1484686	prominin 2	Prom2	192211	1,17	up
5806836	7244569	1484675	prominin 2	Prom2	192211	1,17	down
6217609	7244569	1484692	prominin 2	Prom2	192211	1,16	down
6715669	7244569	1484689	prominin 2	Prom2	192211	1,16	down
6684354	7244569	1484693	prominin 2	Prom2	192211	1,15	up
5683734	7244569	1484677	prominin 2	Prom2	192211	1,13	down
6712012	7244569	1484671	prominin 2	Prom2	192211	1,13	up
6449836	7244569	1484673	prominin 2	Prom2	192211	1,12	up
6458955	7244569	1484678	prominin 2	Prom2	192211	1,11	up
5886539	7244569	1484688	prominin 2	Prom2	192211	1,10	down

6005273	7244569	1484691	prominin 2	Prom2	192211	1,06	up
6085656	7244569	1484685	prominin 2	Prom2	192211	1,05	down
5842112	7244569	1484684	prominin 2	Prom2	192211	1,03	down
5854971	7244569	1484683	prominin 2	Prom2	192211	1,02	down
6733133	7244569	1484679	prominin 2	Prom2	192211	1,02	down
6398986	7244569	1484676	prominin 2	Prom2	192211	1,02	up
6262302	7060896	1033580	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,99	up
5832264	7060896	1033591	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,66	up
5814386	7060896	1033587	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,65	down
5941147	7060896	1033602	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,60	down
6399075	7060896	1033581	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,53	down
6105364	7060896	1033583	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,42	down
5837935	7060896	1033630	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,38	down
6218213	7060896	1033647	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,35	up
5619789	7060896	1033630	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,31	down
6491081	7060896	1033606	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,27	down
5868628	7060896	1033643	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,25	up
6272942	7060896	1033609	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,24	up
5898346	7060896	1033647	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,23	up
5887450	7060896	1033634	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,21	down
6692807	7060896	1033593	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,20	down
6608534	7060896	1033590	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,19	down
6264668	7060896	1033584	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,17	down
6514910	7060896	1033619	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,17	down
6255156	7060896	1033620	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,11	down
5736651	7060896	1033589	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,09	down
5656406	7060896	1033629	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,08	down
5706410	7060896	1033606	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,07	down
6058059	7060896	1033585	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,02	down
5718329	7060896	1033543	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,02	up
6046490	7060896	1033599	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,02	up
5889735	7060896	1033541	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,01	down
5957359	7060896	1033600	proprotein convertase subtilisin/kexin type 5	Pcsk5	116548	1,01	up
6528407	7032552	967035	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	3,10	up
6483285	7032552	967039	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,33	down
6726195	7032552	967036	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,21	up
5971025	7032552	967044	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	2,12	down
5880903	7032552	967045	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,91	down
6324240	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,89	down
6131312	7032552	967049	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,86	up
5859517	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,77	up
5804211	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,63	up
5932412	7032552	967040	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,62	down
5743985	7032552	967038	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,59	up
5775274	7032552	967051	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,49	up
6018030	7032552	967047	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,43	down
6168695	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,30	down
6675533	7032552	967037	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,25	down
5728169	7032552	967041	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,24	down
6393346	7032552	967046	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,24	down
6068111	7032552	967034	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,19	down
6299607	7032552	967033	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,18	down
6264946	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,17	down
6439087	7032552	967052	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,17	up
6222218	7032552	967048	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,14	up
6339038	7032552	967043	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,12	down
6256151	7032552	967039	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,04	down

5819226	7032552	967042	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,02	up
6352262	7032552	967050	proprotein convertase subtilisin/kexin type 6	Pcsk6	25507	1,01	down
6021475	7335712	1708754	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	2,93	down
6118112	7335712	1708749	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,61	down
6041209	7335712	1708748	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,50	down
6382767	7335712	1708742	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,47	down
6617045	7335712	1708744	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,28	up
6384389	7335712	1708742	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,27	up
5795343	7335712	1708742	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,27	up
6444116	7335712	1708740	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,21	down
5690843	7335712	1708757	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,20	down
6351960	7335712	1708741	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,16	up
5724574	7335712	1708743	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,15	down
6540096	7335712	1708747	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,15	down
5803271	7335712	1708756	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,12	up
6118801	7335712	1708755	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,12	down
6642269	7335712	1708753	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,09	down
6120890	7335712	1708750	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,06	down
5625789	7335712	1708752	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,05	up
5995322	7335712	1708751	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,04	down
5969423	7335712	1708746	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,04	up
6459038	7335712	1708745	proprotein convertase subtilisin/kexin type 7	Pcsk7	29606	1,00	up
6061603	7289582	1595817	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	2,24	up
6670538	7289582	1595826	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	2,04	down
6361269	7289582	1595821	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,49	down
6657284	7289582	1595825	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,42	down
6490403	7289582	1595814	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,34	down
5697214	7289582	1595820	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,30	up
5638693	7289582	1595816	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,24	down
5693248	7289582	1595823	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,23	up
6700461	7289582	1595818	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,18	down
5683237	7289582	1595822	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,15	up
6475715	7289582	1595826	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,14	down
6556243	7289582	1595815	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,09	down
6238344	7289582	1595816	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,07	up
6264704	7289582	1595823	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,06	down
6014351	7289582	1595824	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,02	down
5783974	7289582	1595819	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,02	down
6567087	7289582	1595826	proprotein convertase subtilisin/kexin type 9	Pcsk9	298296	1,01	down
6402353	7226278	1437999	prostaglandin E synthase 2	Ptges2	311865	3,33	down
5843693	7226278	1438004	prostaglandin E synthase 2	Ptges2	311865	1,47	up
5860594	7226278	1438006	prostaglandin E synthase 2	Ptges2	311865	1,44	up
5644454	7226278	1438003	prostaglandin E synthase 2	Ptges2	311865	1,34	up
6056957	7226278	1438005	prostaglandin E synthase 2	Ptges2	311865	1,34	up
6065299	7226278	1438004	prostaglandin E synthase 2	Ptges2	311865	1,29	up
5890939	7226278	1438000	prostaglandin E synthase 2	Ptges2	311865	1,02	up
6607615	7226278	1438002	prostaglandin E synthase 2	Ptges2	311865	1,01	down
6073606	7224724	1433962	prostaglandin F receptor	Ptgr1	25652	2,68	up
6677780	7224724	1433962	prostaglandin F receptor	Ptgr1	25652	1,19	down
6247406	7224724	1433962	prostaglandin F receptor	Ptgr1	25652	1,11	up
6085124	7224724	1433964	prostaglandin F receptor	Ptgr1	25652	1,10	down
6603859	7224724	1433964	prostaglandin F receptor	Ptgr1	25652	1,06	up
6233449	7224724	1433964	prostaglandin F receptor	Ptgr1	25652	1,06	down
5904126	7224724	1433962	prostaglandin F receptor	Ptgr1	25652	1,03	down
5662535	7224724	1433965	prostaglandin F receptor	Ptgr1	25652	1,02	down
6062637	7224724	1433963	prostaglandin F receptor	Ptgr1	25652	1,01	down
6134728	7212112	1403508	prostaglandin F2 receptor negative regulator	Ptgrfn	29602	2,42	up

6265265	7212112	1403513	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	2,13	down
6220127	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,82	down
6023091	7212112	1403510	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,48	up
5802012	7212112	1403514	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,46	down
5717673	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,38	down
5906034	7212112	1403511	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,32	up
6288798	7212112	1403512	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,22	down
5878566	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,16	down
6414355	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,10	down
5819337	7212112	1403509	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,07	up
6409541	7212112	1403515	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,05	down
6415591	7212112	1403507	prostaglandin F2 receptor negative regulator	Ptgfrn	29602	1,03	down
5928468	7226581	1438844	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	3,67	down
5684701	7226581	1438845	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	3,10	up
5974964	7226581	1438843	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,52	down
6636971	7226581	1438846	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,40	up
6633518	7226581	1438851	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,21	up
6408419	7226581	1438849	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,14	up
6401904	7226581	1438850	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	2,07	up
6707918	7226581	1438846	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,87	down
5948929	7226581	1438842	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,75	down
6518736	7226581	1438852	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,42	up
6009855	7226581	1438854	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,41	down
5922714	7226581	1438848	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,21	up
6253802	7226581	1438853	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,11	up
6743037	7226581	1438847	prostaglandin-endoperoxide synthase 1	Ptgs1	24693	1,01	up
6211762	7065457	1044858	protease, serine 27	Prss27	287108	2,96	up
5998759	7065457	1044862	protease, serine 27	Prss27	287108	1,43	down
6635044	7065457	1044862	protease, serine 27	Prss27	287108	1,32	up
6194952	7065457	1044862	protease, serine 27	Prss27	287108	1,20	up
6436630	7065457	1044860	protease, serine 27	Prss27	287108	1,15	up
6394587	7065457	1044859	protease, serine 27	Prss27	287108	1,11	up
6030173	7065457	1044863	protease, serine 27	Prss27	287108	1,08	up
6292069	7065457	1044857	protease, serine 27	Prss27	287108	1,07	down
6265859	7065457	1044861	protease, serine 27	Prss27	287108	1,05	up
6150623	7211391	1402123	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	2,00	down
5827491	7211391	1402126	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,71	up
6606758	7211391	1402130	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,29	down
6389524	7211391	1402132	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,22	down
6050715	7211391	1402124	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,18	up
5625294	7211391	1402127	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,14	up
6689592	7211391	1402128	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,12	down
6363597	7211391	1402129	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,09	up
6048392	7211391	1402125	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,08	down
5900995	7211391	1402131	proteasome (prosome, macropain) 26S subunit, non-ATPase, 4	Psm4	83499	1,05	up
6226266	7131912	1206132	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	5,08	down
5886221	7131912	1206134	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,80	up
5875761	7131912	1206140	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,72	up
5779761	7131912	1206142	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,35	up
5740134	7131912	1206132	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,27	down
6707428	7131912	1206136	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,22	down
6344178	7131912	1206133	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,21	down
6679861	7131912	1206135	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,16	up
6673210	7131912	1206139	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,15	up
6439520	7131912	1206137	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,14	up
5947534	7131912	1206141	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,12	down
6428981	7131912	1206138	proteasome (prosome, macropain) activator subunit 1	Psm1	29630	1,10	up

5721049	7138231	1221638	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	6,12	down
5697176	7154573	1262092	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	2,88	up
6117033	7138231	1221647	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,59	down
5627023	7138231	1221639	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,42	up
6091893	7138231	1221643	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,34	down
6570491	7138231	1221638	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,34	down
5928708	7154573	1262093	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,33	down
6641900	7138231	1221638	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,26	down
6002854	7138231	1221645	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,23	up
6359541	7138231	1221640	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,22	up
6082963	7138231	1221646	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,18	up
5980344	7138231	1221648	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,18	down
6640942	7138231	1221641	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,16	up
6582658	7138231	1221644	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,04	down
5645294	7154573	1262092	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,01	down
6633681	7138231	1221642	proteasome (prosome, macropain) activator subunit 2	Psme2	29614	1,00	down
5935144	7298286	1617416	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	2,75	down
6331048	7298286	1617410	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,26	up
6022755	7298286	1617415	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,24	down
6403486	7298286	1617414	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,11	up
6546706	7298286	1617413	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,10	down
5680063	7298286	1617412	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,06	up
6001843	7298286	1617409	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,02	down
6130412	7298286	1617411	proteasome (prosome, macropain) subunit, alpha type 6	Psma6	29673	1,01	down
5793565	7248774	1494454	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	2,47	down
6355458	7248774	1494454	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	2,21	down
6065153	7248774	1494448	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,49	up
6243913	7248774	1494452	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,43	up
6449058	7248774	1494453	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,39	up
6190608	7248774	1494450	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,17	down
6278532	7248774	1494448	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,15	down
6348633	7248774	1494449	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,08	up
6514536	7248774	1494451	proteasome (prosome, macropain) subunit, alpha type 7	Psma7	29674	1,01	up
6233152	7047107	1003785	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	2,04	down
5933373	7047107	1003786	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	1,53	up
6515479	7047107	1003790	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	1,47	down
6662333	7047107	1003788	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	1,15	up
5666529	7047107	1003789	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	1,07	down
6170072	7047107	1003787	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	1,05	up
5767101	7047107	1003790	proteasome (prosome, macropain) subunit, beta type 1	Psmb1	94198	1,02	down
6598194	7220914	1425043	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	4,45	down
6087279	7220914	1425044	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	2,12	up
6337981	7220914	1425046	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	2,07	up
6379607	7220914	1425048	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	1,44	down
6003800	7220914	1425047	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	1,39	up
6014577	7220914	1425049	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	1,10	down
6028161	7220914	1425045	proteasome (prosome, macropain) subunit, beta type 8 (large multifunctional peptidase 7)	Psmb8	24968	1,03	up
6306253	7216935	1415060	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	3,92	down
6534180	7216935	1415060	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	3,45	down
6686483	7216935	1415065	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	2,62	up
5768939	7216935	1415063	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	2,62	up
6395139	7216935	1415064	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	2,14	up
5838426	7216935	1415061	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	1,42	down
5950106	7216935	1415066	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	1,41	down
5737244	7216935	1415062	proteasome (prosome, macropain) subunit, beta type 9 (large multifunctional peptidase 2)	Psmb9	24967	1,11	down
6236803	7128313	1197169	protein arginine methyltransferase 1	Prmt1	60421	2,05	up
6007207	7128313	1197168	protein arginine methyltransferase 1	Prmt1	60421	1,85	down

6090467	7128313	1197169	protein arginine methyltransferase 1	Prmt1	60421	1,80	down
5881742	7128313	1197169	protein arginine methyltransferase 1	Prmt1	60421	1,38	up
6435086	7128313	1197169	protein arginine methyltransferase 1	Prmt1	60421	1,20	up
6423535	7128313	1197169	protein arginine methyltransferase 1	Prmt1	60421	1,14	down
5810731	7128313	1197169	protein arginine methyltransferase 1	Prmt1	60421	1,13	down
5890782	7039821	985066	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	2,42	down
5814100	7039821	985052	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,78	down
6569281	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,33	down
6414552	7039821	985061	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,27	up
6417102	7039821	985070	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,26	up
6057739	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,22	up
6252716	7039821	985059	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,21	up
5758269	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,21	up
6014636	7039821	985056	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,17	up
6545159	7039821	985065	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,15	up
5728795	7039821	985067	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,14	down
5851321	7039821	985055	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,13	up
6440141	7039821	985074	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,12	up
6038478	7039821	985064	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,10	down
6683279	7039821	985068	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,10	down
6381148	7039821	985075	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,09	up
5635651	7039821	985054	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,07	up
6451990	7039821	985062	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,07	down
6269038	7039821	985057	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,05	up
6208315	7039821	985071	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,03	down
6092737	7039821	985063	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,02	down
6217574	7039821	985072	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,01	up
5823048	7039821	985059	protein associated with topoisomerase II homolog 1 (yeast)	Pat1l	361736	1,00	up
5720511	7174157	1310560	protein C	Proc	25268	2,01	up
6417288	7174157	1310561	protein C	Proc	25268	1,43	down
6159869	7174157	1310554	protein C	Proc	25268	1,37	up
6153873	7174157	1310558	protein C	Proc	25268	1,29	down
6561907	7174157	1310562	protein C	Proc	25268	1,23	down
6419488	7174157	1310555	protein C	Proc	25268	1,19	down
5734194	7174157	1310556	protein C	Proc	25268	1,18	up
5740530	7174157	1310557	protein C	Proc	25268	1,13	down
6713862	7174157	1310555	protein C	Proc	25268	1,09	up
6238330	7174157	1310559	protein C	Proc	25268	1,00	up
6465460	7075790	1069994	protein disulfide isomerase family A, member 2	Pdia2	287164	2,47	down
6612433	7075790	1069992	protein disulfide isomerase family A, member 2	Pdia2	287164	1,58	down
6659536	7075790	1069998	protein disulfide isomerase family A, member 2	Pdia2	287164	1,54	down
6442248	7075790	1069992	protein disulfide isomerase family A, member 2	Pdia2	287164	1,32	up
6262204	7075790	1069990	protein disulfide isomerase family A, member 2	Pdia2	287164	1,24	up
5765760	7075790	1069989	protein disulfide isomerase family A, member 2	Pdia2	287164	1,20	down
6479721	7075790	1069995	protein disulfide isomerase family A, member 2	Pdia2	287164	1,12	up
6540671	7075790	1069990	protein disulfide isomerase family A, member 2	Pdia2	287164	1,10	up
5690392	7075790	1069997	protein disulfide isomerase family A, member 2	Pdia2	287164	1,04	up
6394841	7075790	1069989	protein disulfide isomerase family A, member 2	Pdia2	287164	1,04	up
5948320	7075790	1069994	protein disulfide isomerase family A, member 2	Pdia2	287164	1,03	down
6245943	7075790	1069991	protein disulfide isomerase family A, member 2	Pdia2	287164	1,02	down
6473577	7247954	1492368	protein kinase C binding protein 1	Prkcbp1	296374	1,75	down
6580683	7247954	1492384	protein kinase C binding protein 1	Prkcbp1	296374	1,58	up
6362445	7247954	1492384	protein kinase C binding protein 1	Prkcbp1	296374	1,55	up
6427246	7247954	1492374	protein kinase C binding protein 1	Prkcbp1	296374	1,48	up
5838941	7247954	1492362	protein kinase C binding protein 1	Prkcbp1	296374	1,31	up
6619710	7247954	1492361	protein kinase C binding protein 1	Prkcbp1	296374	1,31	up
6269385	7247954	1492364	protein kinase C binding protein 1	Prkcbp1	296374	1,29	down

5796088	7247954	1492386	protein kinase C binding protein 1	Prkcbp1	296374	1,29	up
5750401	7247954	1492375	protein kinase C binding protein 1	Prkcbp1	296374	1,28	up
6603360	7247954	1492359	protein kinase C binding protein 1	Prkcbp1	296374	1,21	down
5972656	7247954	1492372	protein kinase C binding protein 1	Prkcbp1	296374	1,18	up
6480593	7247954	1492366	protein kinase C binding protein 1	Prkcbp1	296374	1,17	down
6713048	7247954	1492381	protein kinase C binding protein 1	Prkcbp1	296374	1,14	down
5705074	7247954	1492380	protein kinase C binding protein 1	Prkcbp1	296374	1,14	down
6279605	7247954	1492363	protein kinase C binding protein 1	Prkcbp1	296374	1,13	down
5758463	7247954	1492375	protein kinase C binding protein 1	Prkcbp1	296374	1,13	up
5654942	7247954	1492378	protein kinase C binding protein 1	Prkcbp1	296374	1,13	down
6174755	7247954	1492379	protein kinase C binding protein 1	Prkcbp1	296374	1,11	up
5817854	7247954	1492371	protein kinase C binding protein 1	Prkcbp1	296374	1,09	down
5749468	7247954	1492375	protein kinase C binding protein 1	Prkcbp1	296374	1,09	down
6391636	7247954	1492382	protein kinase C binding protein 1	Prkcbp1	296374	1,08	up
5777733	7247954	1492376	protein kinase C binding protein 1	Prkcbp1	296374	1,08	up
5970483	7247954	1492368	protein kinase C binding protein 1	Prkcbp1	296374	1,08	down
6551773	7247954	1492357	protein kinase C binding protein 1	Prkcbp1	296374	1,05	up
6211220	7247954	1492395	protein kinase C binding protein 1	Prkcbp1	296374	1,04	up
6600834	7247954	1492370	protein kinase C binding protein 1	Prkcbp1	296374	1,02	up
6530376	7247954	1492372	protein kinase C binding protein 1	Prkcbp1	296374	1,02	up
5708050	7247954	1492368	protein kinase C binding protein 1	Prkcbp1	296374	1,02	down
6479635	7036479	977113	protein kinase C, beta	Prkcb	25023	2,29	up
5880191	7036479	977129	protein kinase C, beta	Prkcb	25023	1,50	up
6360444	7036479	977121	protein kinase C, beta	Prkcb	25023	1,47	up
6729155	7036479	977126	protein kinase C, beta	Prkcb	25023	1,42	down
6049506	7036479	977131	protein kinase C, beta	Prkcb	25023	1,40	up
5750588	7036479	977125	protein kinase C, beta	Prkcb	25023	1,38	up
6195721	7036479	977120	protein kinase C, beta	Prkcb	25023	1,36	down
6150132	7036479	977117	protein kinase C, beta	Prkcb	25023	1,20	up
6344699	7036479	977127	protein kinase C, beta	Prkcb	25023	1,13	down
5728248	7036479	977118	protein kinase C, beta	Prkcb	25023	1,11	down
6394613	7036479	977116	protein kinase C, beta	Prkcb	25023	1,10	up
6392376	7036479	977115	protein kinase C, beta	Prkcb	25023	1,09	down
5645761	7036479	977130	protein kinase C, beta	Prkcb	25023	1,09	down
5709827	7036479	977122	protein kinase C, beta	Prkcb	25023	1,09	up
5661149	7036479	977114	protein kinase C, beta	Prkcb	25023	1,06	down
6431484	7036479	977119	protein kinase C, beta	Prkcb	25023	1,06	up
5909597	7036479	977123	protein kinase C, beta	Prkcb	25023	1,05	down
6734923	7036479	977124	protein kinase C, beta	Prkcb	25023	1,04	up
6600342	7036479	977121	protein kinase C, beta	Prkcb	25023	1,03	up
5836864	7036479	977128	protein kinase C, beta	Prkcb	25023	1,00	up
6604913	7148661	1247670	protein kinase C, delta	Prkcd	170538	2,72	up
5988845	7148661	1247683	protein kinase C, delta	Prkcd	170538	1,83	down
5905631	7148661	1247681	protein kinase C, delta	Prkcd	170538	1,82	down
6081765	7148661	1247666	protein kinase C, delta	Prkcd	170538	1,80	up
6482999	7148661	1247674	protein kinase C, delta	Prkcd	170538	1,80	up
6200098	7148661	1247673	protein kinase C, delta	Prkcd	170538	1,77	down
6064478	7148661	1247682	protein kinase C, delta	Prkcd	170538	1,44	down
6241087	7148661	1247672	protein kinase C, delta	Prkcd	170538	1,35	up
6559632	7148661	1247671	protein kinase C, delta	Prkcd	170538	1,30	up
6280818	7148661	1247680	protein kinase C, delta	Prkcd	170538	1,29	up
6564496	7148661	1247668	protein kinase C, delta	Prkcd	170538	1,24	down
6192260	7148661	1247667	protein kinase C, delta	Prkcd	170538	1,22	up
6636206	7148661	1247676	protein kinase C, delta	Prkcd	170538	1,20	up
5996262	7148661	1247678	protein kinase C, delta	Prkcd	170538	1,19	up
6688884	7148661	1247668	protein kinase C, delta	Prkcd	170538	1,14	up
5805466	7148661	1247677	protein kinase C, delta	Prkcd	170538	1,05	up

5899357	7148661	1247679	protein kinase C, delta	Prkcd	170538	1,03	up
6132750	7148661	1247675	protein kinase C, delta	Prkcd	170538	1,02	down
5878674	7148661	1247669	protein kinase C, delta	Prkcd	170538	1,02	up
5812517	7055418	1021497	protein kinase C, delta binding protein	Prkcdbp	85332	2,86	down
5851903	7055418	1021497	protein kinase C, delta binding protein	Prkcdbp	85332	1,85	up
6707852	7055418	1021498	protein kinase C, delta binding protein	Prkcdbp	85332	1,18	up
6014299	7055418	1021497	protein kinase C, delta binding protein	Prkcdbp	85332	1,06	down
6554746	7055418	1021497	protein kinase C, delta binding protein	Prkcdbp	85332	1,04	down
6528353	7055418	1021498	protein kinase C, delta binding protein	Prkcdbp	85332	1,03	up
5954376	7047561	1004742	protein kinase C, gamma	Prkcg	24681	3,57	down
6529931	7047561	1004747	protein kinase C, gamma	Prkcg	24681	1,74	up
5618220	7047561	1004752	protein kinase C, gamma	Prkcg	24681	1,67	down
6627642	7047561	1004742	protein kinase C, gamma	Prkcg	24681	1,66	down
6281919	7047561	1004740	protein kinase C, gamma	Prkcg	24681	1,60	up
5993397	7047561	1004752	protein kinase C, gamma	Prkcg	24681	1,53	down
6189442	7047561	1004737	protein kinase C, gamma	Prkcg	24681	1,36	up
6360448	7047561	1004746	protein kinase C, gamma	Prkcg	24681	1,32	up
5833339	7047561	1004745	protein kinase C, gamma	Prkcg	24681	1,26	up
6188102	7047561	1004744	protein kinase C, gamma	Prkcg	24681	1,25	up
6248477	7047561	1004751	protein kinase C, gamma	Prkcg	24681	1,22	down
6145526	7047561	1004750	protein kinase C, gamma	Prkcg	24681	1,21	down
5746081	7047561	1004751	protein kinase C, gamma	Prkcg	24681	1,18	up
6526536	7047561	1004739	protein kinase C, gamma	Prkcg	24681	1,16	down
6398576	7047561	1004752	protein kinase C, gamma	Prkcg	24681	1,14	down
5902626	7047561	1004743	protein kinase C, gamma	Prkcg	24681	1,11	down
6643891	7047561	1004749	protein kinase C, gamma	Prkcg	24681	1,10	up
6001725	7047561	1004738	protein kinase C, gamma	Prkcg	24681	1,07	up
5952793	7047561	1004735	protein kinase C, gamma	Prkcg	24681	1,07	up
6119241	7047561	1004736	protein kinase C, gamma	Prkcg	24681	1,05	up
6125412	7047561	1004748	protein kinase C, gamma	Prkcg	24681	1,05	down
5860821	7047561	1004733	protein kinase C, gamma	Prkcg	24681	1,05	up
6705070	7047561	1004741	protein kinase C, gamma	Prkcg	24681	1,05	down
5636968	7047561	1004734	protein kinase C, gamma	Prkcg	24681	1,04	down
5973050	7047561	1004752	protein kinase C, gamma	Prkcg	24681	1,02	up
5779861	7306330	1638508	protein kinase D1	Prkd1	85421	1,70	up
5857024	7306330	1638512	protein kinase D1	Prkd1	85421	1,16	down
6491260	7306330	1638513	protein kinase D1	Prkd1	85421	1,05	down
5859693	7306330	1638507	protein kinase D1	Prkd1	85421	1,03	down
5920407	7029123	958988	protein kinase D2	Prkd2	292658	3,21	up
6060073	7029123	958991	protein kinase D2	Prkd2	292658	1,64	down
6170474	7029123	958987	protein kinase D2	Prkd2	292658	1,54	down
6105026	7029123	958987	protein kinase D2	Prkd2	292658	1,45	down
6296327	7029123	959005	protein kinase D2	Prkd2	292658	1,45	up
5909986	7029123	959001	protein kinase D2	Prkd2	292658	1,39	up
5636243	7029123	959003	protein kinase D2	Prkd2	292658	1,35	down
6474143	7029123	958991	protein kinase D2	Prkd2	292658	1,33	down
6325010	7029123	958987	protein kinase D2	Prkd2	292658	1,32	up
6648007	7029123	958997	protein kinase D2	Prkd2	292658	1,29	down
6334339	7029123	958991	protein kinase D2	Prkd2	292658	1,24	down
6185841	7029123	958994	protein kinase D2	Prkd2	292658	1,22	down
5848987	7029123	958998	protein kinase D2	Prkd2	292658	1,16	down
6662248	7029123	959004	protein kinase D2	Prkd2	292658	1,16	up
6700786	7029123	958999	protein kinase D2	Prkd2	292658	1,12	down
6268943	7029123	958995	protein kinase D2	Prkd2	292658	1,12	down
5740478	7029123	958990	protein kinase D2	Prkd2	292658	1,09	up
6185688	7029123	958996	protein kinase D2	Prkd2	292658	1,07	up
6242508	7029123	959000	protein kinase D2	Prkd2	292658	1,04	up

6131879	7029123	958993	protein kinase D2	Prkd2	292658	1,03	up
6005665	7029123	958993	protein kinase D2	Prkd2	292658	1,03	down
6313039	7029123	959002	protein kinase D2	Prkd2	292658	1,03	up
6339170	7029123	958992	protein kinase D2	Prkd2	292658	1,01	up
6145020	7029123	958989	protein kinase D2	Prkd2	292658	1,00	down
5699723	7219186	1420912	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	2,66	up
5826952	7219186	1420916	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	2,14	up
6614929	7219186	1420917	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	2,00	up
6712267	7219186	1420914	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,63	up
5953971	7219186	1420917	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,29	down
6146324	7219186	1420913	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,19	up
5898478	7219186	1420915	protein kinase inhibitor beta, (cAMP-dependent, catalytic) inhibitor beta	Pkib	24678	1,08	down
6589740	7098837	1124893	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	3,78	down
6025113	7098837	1124886	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,57	up
5746863	7098837	1124885	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,50	up
6648226	7098837	1124891	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,28	up
6707188	7098837	1124887	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,23	down
6203234	7098837	1124888	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,22	down
6544397	7098837	1124890	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,07	down
6041588	7098837	1124889	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,06	down
6428678	7098837	1124892	protein kinase, AMP-activated, beta 1 non-catalytic subunit	Prkab1	83803	1,01	up
6721271	7197221	1368223	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	2,13	up
6382705	7197221	1368218	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,95	down
6057403	7197221	1368217	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,79	down
6403844	7197221	1368225	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,64	down
6081938	7197221	1368221	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,43	up
6691012	7197221	1368222	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,40	down
6094400	7197221	1368220	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,20	up
5826961	7197221	1368219	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,20	down
5899938	7197221	1368218	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,15	down
5932161	7197221	1368224	protein kinase, AMP-activated, beta 2 non-catalytic subunit	Prkab2	64562	1,04	down
6617123	7249535	1496333	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	2,17	down
6136437	7249535	1496340	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,70	up
6473300	7249535	1496333	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,46	down
6618053	7249535	1496336	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,38	down
5990027	7249535	1496345	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,37	up
6468587	7249535	1496339	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,36	down
6182197	7249535	1496345	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,34	down
6076289	7249535	1496342	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,31	down
6407187	7249535	1496345	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,31	down
5826556	7249535	1496345	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,25	down
5953364	7249535	1496333	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,24	up
6362380	7249535	1496337	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,24	up
5716526	7249535	1496343	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,18	up
6108196	7249535	1496345	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,18	down
6129946	7249535	1496344	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,15	up
6679403	7249535	1496341	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,15	up
6492818	7249535	1496338	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,12	down
6553286	7249535	1496335	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,08	up
6322873	7249535	1496346	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,03	down
6156840	7249535	1496334	protein kinase, AMP-activated, gamma 2 non-catalytic subunit	Prkag2	373545	1,01	down
5660438	7111361	1155580	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	2,30	down
6535287	7111361	1155580	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	2,18	down
6153362	7111361	1155578	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,90	up
6724619	7111361	1155595	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,84	down
6578065	7111361	1155584	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,61	up
5764617	7111361	1155610	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,60	down

5781289	7111361	1155596	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,59	up
5887023	7111361	1155609	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,55	up
6210889	7111361	1155612	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,53	up
6725796	7111361	1155594	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,51	up
5677831	7111361	1155616	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,38	down
5733093	7111361	1155583	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,38	down
6179004	7111361	1155601	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,36	down
5896604	7111361	1155614	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,35	up
6667041	7111361	1155604	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,30	up
6630993	7111361	1155605	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,28	down
6086669	7111361	1155624	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,22	up
6027839	7111361	1155598	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,20	up
5710094	7111361	1155595	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,19	down
6473723	7111361	1155608	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,17	down
6499568	7111361	1155611	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,17	up
6239772	7111361	1155593	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,12	down
5618648	7111361	1155584	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,08	down
5817782	7111361	1155577	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,08	up
5684798	7111361	1155581	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,08	down
6346145	7111361	1155607	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,07	up
6225332	7111361	1155582	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,06	down
6086414	7111361	1155613	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,03	up
5694362	7111361	1155580	protein phosphatase 1, regulatory (inhibitor) subunit 12B	Ppp1r12b	304813	1,01	down
6507731	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	4,23	down
6729981	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	3,99	down
6602610	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	3,79	down
5763028	7051029	1011852	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,48	up
6402875	7051029	1011851	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,38	up
6603886	7051029	1011852	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,36	up
6385013	7051029	1011852	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,24	up
6717968	7051029	1011850	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,22	down
6006338	7051029	1011853	protein phosphatase 1, regulatory (inhibitor) subunit 15A	Ppp1r15a	171071	1,21	up
6017136	7332324	1701243	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	4,71	up
6038815	7332324	1701241	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,59	down
6618507	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,41	down
6445719	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,25	up
6520030	7332324	1701238	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,21	down
6089240	7332324	1701239	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,18	up
6642665	7332324	1701243	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,16	down
5678333	7332324	1701242	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,11	up
5778279	7332324	1701240	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,10	up
5884137	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,04	down
6060683	7332324	1701237	protein phosphatase 1, regulatory (inhibitor) subunit 1A	Ppp1r1a	58977	1,03	up
6507777	7220449	1424094	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	2,02	down
5642360	7220449	1424088	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,99	up
5888126	7220449	1424093	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,46	up
5860577	7220449	1424091	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,18	up
5812462	7220449	1424101	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,17	up
6370552	7220449	1424099	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,15	up
5793661	7220449	1424103	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,15	up
6430115	7220449	1424107	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,11	down
6437165	7220449	1424100	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,11	up
6153839	7220449	1424106	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,10	up
6296710	7220449	1424097	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,09	down
6555409	7220449	1424108	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,09	down
6046241	7220449	1424089	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,08	up
6187145	7220449	1424095	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,07	up

6176503	7220449	1424104	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,05	down
6387799	7220449	1424096	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,05	down
5982383	7220449	1424102	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,05	down
5672897	7220449	1424090	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,04	down
6342530	7220449	1424105	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,04	up
6733492	7220449	1424098	protein phosphatase 1, regulatory subunit 10	Ppp1r10	65045	1,01	down
6592610	7294686	1607840	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	2,40	down
6380176	7294686	1607840	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,48	down
6558920	7294686	1607843	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,48	down
6113495	7294686	1607845	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,46	up
6413752	7294686	1607844	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,38	down
6574896	7294686	1607839	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,29	down
6108582	7294686	1607843	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,21	up
6574009	7294686	1607842	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,13	down
6060044	7294686	1607845	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,13	up
5911677	7294686	1607847	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,10	down
6250431	7294686	1607846	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,09	down
5867988	7294686	1607841	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,09	down
6258431	7294686	1607847	protein phosphatase 1B, magnesium dependent, beta isoform	Ppm1b	24667	1,00	up
6212202	7254209	1508018	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,44	down
6193650	7254209	1508009	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,33	down
6569056	7254209	1508004	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,21	up
5770373	7254209	1508010	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,21	down
6387291	7254209	1508017	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,20	down
6256779	7254209	1508016	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,14	down
6198132	7254209	1508018	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,12	down
5878942	7254209	1508014	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,12	down
6361522	7254209	1508015	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,08	up
6509046	7254209	1508009	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,05	up
5801102	7254209	1508009	protein phosphatase 1K (PP2C domain containing)	Ppm1k	312381	1,03	up
6746689	7336050	1709734	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,27	down
6097890	7336050	1709740	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,24	up
6063410	7336050	1709733	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,24	up
6025979	7336050	1709731	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,21	up
5722903	7336050	1709737	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,13	down
6668111	7336050	1709732	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,12	down
6023895	7336050	1709736	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,08	up
5946079	7336050	1709739	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,07	down
6491174	7336050	1709738	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,07	up
6047518	7336050	1709735	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,06	up
5996542	7336050	1709748	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,05	down
6148423	7336050	1709748	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,05	down
6115891	7336050	1709737	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,05	up
6294467	7336050	1709745	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,04	down
5977337	7336050	1709747	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,04	up
5729983	7336050	1709746	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,03	up
5677350	7336050	1709742	protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform	Ppp2r1b	315648	1,02	up
6496362	7175086	1312683	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	2,69	down
5648605	7175086	1312677	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,66	up
6112711	7175086	1312676	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,53	up
6342958	7175086	1312680	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,49	down
6323662	7175086	1312684	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,35	up
6445405	7175086	1312675	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,34	down
6740648	7175086	1312683	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,18	down
5641546	7175086	1312679	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,16	down
5682334	7175086	1312678	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,13	down
6596272	7175086	1312681	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,13	down

6125869	7175086	1312682	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,12	down
5823988	7175086	1312686	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,11	down
6448125	7175086	1312678	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,09	down
5643514	7175086	1312686	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,05	up
6009208	7175086	1312687	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,01	up
5786264	7175086	1312685	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,01	up
5848171	7175086	1312687	protein phosphatase 2 (formerly 2A), regulatory subunit B (PR 52), beta isoform	Ppp2r2b	60660	1,00	down
5960880	7127022	1194057	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,32	down
5867669	7127022	1194058	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,29	down
6471966	7127022	1194064	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,17	up
5721785	7127022	1194056	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,14	up
6145588	7127022	1194062	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,11	down
5728807	7127022	1194060	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,08	down
6659755	7127022	1194063	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,05	down
6620556	7127022	1194059	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,01	up
5805165	7127022	1194061	protein phosphatase 2 (formerly 2A), regulatory subunit B, gamma isoform	Ppp2r2c	117256	1,00	up
6236527	7301843	1626454	protein phosphatase 2, regulatory subunit B' gamma isoform	Ppp2r5c	691318	1,47	up
6472744	7301843	1626490	protein phosphatase 2, regulatory subunit B' gamma isoform	Ppp2r5c	691318	1,12	up
5869660	7358437	1765870	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	2,02	down
6593019	7358437	1765864	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,41	down
6515575	7358437	1765853	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,38	up
6339115	7358437	1765866	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,29	down
6185502	7358437	1765867	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,29	up
6408809	7358437	1765865	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,23	down
6705842	7358437	1765856	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,23	up
5641810	7358437	1765868	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,17	down
5834016	7358437	1765852	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,15	up
6720820	7358437	1765854	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,12	up
6254496	7358437	1765869	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,11	up
6426860	7358437	1765855	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,11	down
5648627	7358437	1765863	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,11	down
5995652	7358437	1765860	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,10	up
5913753	7358437	1765860	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,08	up
5729525	7358437	1765861	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,07	up
6131675	7358437	1765852	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,05	down
5912948	7358437	1765859	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,05	down
5910156	7358437	1765858	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,01	up
6688773	7358437	1765862	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,01	up
6027043	7358437	1765857	protein phosphatase 4, regulatory subunit 1	Ppp4r1	140943	1,00	up
6513505	7048434	1006459	protein phosphatase 5, catalytic subunit	Ppp5c	65179	2,04	up
6205715	7048434	1006469	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,42	down
6359101	7048434	1006458	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,28	down
6423898	7048434	1006463	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,21	up
6320743	7048434	1006466	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,16	down
6477447	7048434	1006460	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,15	up
6460905	7048434	1006457	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,13	down
6462780	7048434	1006470	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,10	down
6330971	7048434	1006464	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,10	up
6139003	7048434	1006468	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,08	up
6745483	7048434	1006467	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,08	down
5675653	7048434	1006464	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,04	down
6349153	7048434	1006465	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,03	up
6224360	7048434	1006461	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,02	down
6268537	7048434	1006462	protein phosphatase 5, catalytic subunit	Ppp5c	65179	1,02	down
5740602	7235557	1462241	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	2,12	up
6454855	7235557	1462241	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,30	up
6337806	7235557	1462248	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,26	down

5920093	7235557	1462247	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,25	up
5619008	7235557	1462250	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,24	down
5992248	7235557	1462242	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,23	up
6151495	7235557	1462246	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,23	down
6172233	7235557	1462243	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,19	down
6184997	7235557	1462245	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,15	up
5905471	7235557	1462248	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,14	down
6101654	7235557	1462244	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,14	down
6528792	7235557	1462246	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,10	down
6211444	7235557	1462249	protein tyrosine phosphatase, non-receptor type 1	Ptpn1	24697	1,06	up
6023185	7249899	1497319	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	2,11	up
6252958	7249899	1497317	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	2,02	up
5835163	7249899	1497322	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,75	down
5859856	7249899	1497321	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,44	up
6074482	7249899	1497320	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,26	up
5889413	7249899	1497319	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,22	down
6406793	7249899	1497312	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,21	down
5631624	7249899	1497312	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,20	up
6597984	7249899	1497314	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,20	down
6345148	7249899	1497313	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,19	down
5897072	7249899	1497315	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,14	down
5921416	7249899	1497316	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,07	up
5878286	7249899	1497318	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,04	down
5665064	7249899	1497323	protein tyrosine phosphatase, non-receptor type 12	Ptpn12	117255	1,02	up
6576755	7176768	1316637	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	2,07	down
5933107	7176768	1316631	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	2,06	down
5877862	7176768	1316637	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,83	up
6071677	7176768	1316632	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,33	up
5753577	7176768	1316630	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,24	up
6719425	7176768	1316636	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,18	up
6649150	7176768	1316638	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,12	down
6434417	7176768	1316633	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,07	down
5733428	7176768	1316629	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,05	down
5876528	7176768	1316635	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,04	up
5983552	7176768	1316634	protein tyrosine phosphatase, non-receptor type 2	Ptpn2	117063	1,02	up
6502819	7309604	1646359	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	3,17	down
6406889	7309604	1646365	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	2,34	down
5780953	7309604	1646360	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,99	up
6009416	7309604	1646364	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,74	up
6669784	7309604	1646355	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,62	down
5712198	7309604	1646363	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,55	up
5961191	7309604	1646369	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,52	up
5720872	7309604	1646365	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,50	down
6110799	7309604	1646366	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,46	down
5864203	7309604	1646361	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,30	down
6165547	7309604	1646361	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,27	down
5797324	7309604	1646367	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,23	up
6394417	7309604	1646371	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,23	down
6256852	7309604	1646356	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,22	down
6231589	7309604	1646362	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,18	down
5717790	7309604	1646368	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,16	up
6574677	7309604	1646357	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,11	up
6240123	7309604	1646358	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,09	down
6026650	7309604	1646354	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,07	down
6408400	7309604	1646352	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,07	up
6068254	7309604	1646370	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,05	down
6106398	7309604	1646364	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,03	down

6660544	7309604	1646353	protein tyrosine phosphatase, non-receptor type 21	Ptpn21	171070	1,01	up
5985625	7350181	1745380	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	3,37	down
6461010	7350181	1745384	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	2,00	down
6205096	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,78	down
6099508	7350181	1745396	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,68	up
6232031	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,61	down
6567855	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,61	down
6139503	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,60	down
5651955	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,57	down
6707304	7350181	1745395	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,40	up
5700050	7350181	1745385	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,39	down
5803262	7350181	1745397	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,39	up
5990582	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,38	down
6195223	7350181	1745383	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,37	up
6140897	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,18	down
6062669	7350181	1745393	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,14	up
6040071	7350181	1745398	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,14	up
6624490	7350181	1745386	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,12	down
6064133	7350181	1745389	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,11	up
6013023	7350181	1745400	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,10	up
6669234	7350181	1745392	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,09	down
6353582	7350181	1745379	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,08	down
6545983	7350181	1745385	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,06	up
6628301	7350181	1745382	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,05	down
5792310	7350181	1745388	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,05	down
6253824	7350181	1745380	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,04	up
6019798	7350181	1745387	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,04	down
6602071	7350181	1745394	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,03	up
6002202	7350181	1745399	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,02	up
5992898	7350181	1745384	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,02	down
6175916	7350181	1745391	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,02	down
6116435	7350181	1745381	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,01	up
5773396	7350181	1745390	protein tyrosine phosphatase, non-receptor type 23	Ptpn23	117552	1,01	down
6387962	7110401	1153064	protein tyrosine phosphatase, non-receptor type 4	Ptpn4	246116	1,34	down
6159666	7110401	1153065	protein tyrosine phosphatase, non-receptor type 4	Ptpn4	246116	1,20	down
6287612	7367980	1789194	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	2,16	up
5862788	7367980	1789156	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,98	up
5675651	7367980	1789178	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,75	down
6654108	7367980	1789181	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,71	down
6732869	7367980	1789197	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,67	down
6448807	7367980	1789182	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,65	down
6604506	7367980	1789194	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,57	down
6636369	7367980	1789193	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,51	down
5851847	7367980	1789198	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,51	down
5746212	7367980	1789153	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,48	up
5863161	7367980	1789157	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,45	up
6527937	7367980	1789185	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,45	down
6447545	7367980	1789191	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,44	down
5938709	7367980	1789195	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,32	down
6277122	7367980	1789196	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,31	down
5854413	7367980	1789192	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,30	down
5841943	7367980	1789172	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,28	down
5752711	7367980	1789177	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,25	up
6386071	7367980	1789194	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,24	down
6683100	7367980	1789182	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,23	up
6092171	7367980	1789159	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,21	up
6207727	7367980	1789199	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,20	down

6431179	7367980	1789177	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,19	up
5621335	7367980	1789183	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,19	down
5756187	7367980	1789190	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,18	up
6208320	7367980	1789173	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,17	up
5759181	7367980	1789163	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,16	up
6311282	7367980	1789188	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,16	down
6297784	7367980	1789172	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,15	up
6664626	7367980	1789200	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,13	down
6706385	7367980	1789160	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,10	up
6325261	7367980	1789187	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,10	down
6699842	7367980	1789184	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,10	down
5785057	7367980	1789177	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,08	down
5705696	7367980	1789186	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,08	down
6064063	7367980	1789177	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,06	down
5699181	7367980	1789189	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,06	down
5928483	7367980	1789182	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,06	up
5740968	7367980	1789201	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,04	down
6684049	7367980	1789191	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,03	up
5734693	7367980	1789157	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,03	down
5839802	7367980	1789171	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,02	down
5813935	7367980	1789167	protein tyrosine phosphatase, receptor type, D	Ptprd	25529	1,02	up
5701238	7314620	1658524	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	2,19	down
5824118	7314620	1658528	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	2,00	down
6116510	7314620	1658536	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,88	down
5919305	7314620	1658545	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,73	down
5991863	7314620	1658514	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,66	down
6387080	7314620	1658504	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,65	up
6683576	7314620	1658531	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,64	down
6552761	7314620	1658520	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,61	down
5988150	7314620	1658543	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,60	up
5754838	7314620	1658549	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,59	down
6503948	7314620	1658553	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,54	up
6047993	7314620	1658542	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,44	down
6090174	7314620	1658520	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,43	down
6734277	7314620	1658497	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,39	up
6206654	7314620	1658534	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,39	down
6348814	7314620	1658495	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,38	up
6578938	7314620	1658533	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,37	down
5983301	7314620	1658547	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,35	up
5769974	7314620	1658552	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,33	down
5980542	7314620	1658537	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,32	up
6211858	7314620	1658530	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,32	up
5984520	7314620	1658495	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,30	up
6628281	7314620	1658551	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,28	down
6073997	7314620	1658550	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,25	up
5637423	7314620	1658541	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,25	up
6355684	7314620	1658510	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,23	down
5631068	7314620	1658533	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,23	up
5887969	7314620	1658535	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,17	up
5923109	7314620	1658523	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,17	up
5631589	7314620	1658544	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,15	up
6268196	7314620	1658527	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,14	up
6137083	7314620	1658515	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,13	down
6210394	7314620	1658522	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,12	down
6089864	7314620	1658532	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,09	up
6614178	7314620	1658514	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,07	down
5661401	7314620	1658538	protein tyrosine phosphatase, receptor type, f polypeptide (PTPRF), interacting protein (liprin), alpha	Ppfia2	362876	1,01	up

6111097	7259266	1520742	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	2,34	down
6503821	7259266	1520734	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,70	up
5812990	7259266	1520745	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,54	down
6207177	7259266	1520739	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,35	up
6576768	7259266	1520738	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,34	up
6287535	7259266	1520755	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,34	up
5652819	7259266	1520750	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,34	up
6077765	7259266	1520733	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,30	up
5809004	7259266	1520730	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,23	up
5825929	7259266	1520729	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,22	down
6435874	7259266	1520737	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,20	down
5887526	7259266	1520752	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,19	down
6530648	7259266	1520746	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,19	down
6241533	7259266	1520753	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,18	up
6055000	7259266	1520732	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,17	down
6434295	7259266	1520731	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,15	down
5757155	7259266	1520741	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,12	up
6369786	7259266	1520743	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,09	down
5788837	7259266	1520742	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,07	down
6626399	7259266	1520741	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,07	down
5685583	7259266	1520748	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,06	down
5938422	7259266	1520740	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,05	down
6282619	7259266	1520749	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,04	up
6731102	7259266	1520735	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,02	up
5802455	7259266	1520751	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,02	down
5702276	7259266	1520747	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,02	up
6197504	7259266	1520736	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,01	up
6102981	7259266	1520744	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,01	up
6308712	7259266	1520754	protein tyrosine phosphatase, receptor type, O	Ptpro	50677	1,01	down
6053585	7043913	995232	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	2,50	down
6720351	7043913	995237	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,63	down
6076175	7043913	995232	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,43	down
6348208	7043913	995236	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,33	up
6602287	7043913	995238	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,32	down
6207274	7043913	995232	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,28	down
6636217	7043913	995233	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,22	up
6140311	7043913	995234	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,19	up
6557957	7043913	995235	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,18	up
6276121	7043913	995235	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,18	up
5918262	7043913	995240	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,06	up
6407975	7043913	995239	protein-L-isoaspartate (D-aspartate) O-methyltransferase 1	Pcmt1	25604	1,02	down
5679850	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,69	up
5968126	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,45	down
6184607	7236492	1464578	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,25	down
6339739	7236492	1464580	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,22	up
6459925	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,15	up
6288397	7236492	1464578	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,11	up
6734143	7236492	1464573	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,10	down
5662073	7236492	1464576	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,10	up
5821007	7236492	1464579	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,05	up
6382987	7236492	1464575	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,05	down
6449330	7236492	1464574	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,04	up
6651428	7236492	1464580	protein-L-isoaspartate (D-aspartate) O-methyltransferase domain containing 2	Pcmt2	311726	1,03	up
5739236	7226261	1437913	protein-O-mannosyltransferase 1	Pomt1	84430	2,00	down
6466711	7226261	1437900	protein-O-mannosyltransferase 1	Pomt1	84430	1,67	down
6430416	7226261	1437911	protein-O-mannosyltransferase 1	Pomt1	84430	1,44	up
5797696	7226261	1437918	protein-O-mannosyltransferase 1	Pomt1	84430	1,38	up

6498545	7226261	1437918	protein-O-mannosyltransferase 1	Pomt1	84430	1,34	up
6163169	7226261	1437910	protein-O-mannosyltransferase 1	Pomt1	84430	1,25	down
5741020	7226261	1437917	protein-O-mannosyltransferase 1	Pomt1	84430	1,20	down
6497501	7226261	1437912	protein-O-mannosyltransferase 1	Pomt1	84430	1,18	up
6442132	7226261	1437918	protein-O-mannosyltransferase 1	Pomt1	84430	1,16	up
5830710	7226261	1437902	protein-O-mannosyltransferase 1	Pomt1	84430	1,16	up
6080263	7226261	1437904	protein-O-mannosyltransferase 1	Pomt1	84430	1,14	up
5715076	7226261	1437916	protein-O-mannosyltransferase 1	Pomt1	84430	1,11	up
6195581	7226261	1437901	protein-O-mannosyltransferase 1	Pomt1	84430	1,09	up
5871348	7226261	1437908	protein-O-mannosyltransferase 1	Pomt1	84430	1,08	up
6415306	7226261	1437919	protein-O-mannosyltransferase 1	Pomt1	84430	1,07	down
5705389	7226261	1437915	protein-O-mannosyltransferase 1	Pomt1	84430	1,06	down
6063198	7226261	1437907	protein-O-mannosyltransferase 1	Pomt1	84430	1,05	up
6728880	7226261	1437906	protein-O-mannosyltransferase 1	Pomt1	84430	1,04	up
6704859	7226261	1437909	protein-O-mannosyltransferase 1	Pomt1	84430	1,03	up
5644630	7226261	1437903	protein-O-mannosyltransferase 1	Pomt1	84430	1,01	down
6110308	7226261	1437918	protein-O-mannosyltransferase 1	Pomt1	84430	1,01	down
6669315	7226261	1437905	protein-O-mannosyltransferase 1	Pomt1	84430	1,01	down
6587441	7226261	1437914	protein-O-mannosyltransferase 1	Pomt1	84430	1,00	up
5738341	7373726	1805955	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	2,13	down
6626224	7373726	1805959	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,84	down
6061201	7373726	1805958	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,18	up
6684305	7373726	1805956	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,12	up
6004974	7373726	1805959	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,09	down
6481872	7373726	1805959	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,04	down
6127637	7373726	1805955	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,02	down
5763989	7373726	1805957	proteolipid protein 2 (colonic epithelium-enriched)	Plp2	302562	1,00	down
5833010	7140465	1226965	protocadherin 8	Pcdh8	64865	2,69	down
6357251	7140465	1226963	protocadherin 8	Pcdh8	64865	1,23	down
6608128	7140465	1226966	protocadherin 8	Pcdh8	64865	1,14	up
6515399	7140465	1226963	protocadherin 8	Pcdh8	64865	1,12	up
5722896	7140465	1226965	protocadherin 8	Pcdh8	64865	1,10	down
6110707	7140465	1226966	protocadherin 8	Pcdh8	64865	1,09	down
6201726	7140465	1226966	protocadherin 8	Pcdh8	64865	1,09	up
6349393	7140465	1226964	protocadherin 8	Pcdh8	64865	1,05	down
6697844	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,62	down
6679515	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,55	down
6451214	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,43	down
6440252	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,07	up
6398399	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,07	down
5833404	7169492	1298252	protocadherin alpha 1	Pcdha1	393085	1,02	up
6538619	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,72	down
6601806	7169492	1298270	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,63	down
6285755	7169492	1298273	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,49	down
5673292	7169492	1298273	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,29	up
6228370	7169492	1298271	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,24	down
6265191	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,23	down
6658449	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,09	up
5797950	7169492	1298272	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,07	up
6175629	7169492	1298273	protocadherin alpha 1 /// protocadherin alpha 2 /// protocadherin alpha 3 /// protocadherin alpha 4 /// Pcdha9 /// Pcdha 81 /// 393090 /// 11			1,00	up
6715194	7169492	1298263	protocadherin alpha 10	Pcdha10	116778	2,74	up
6633938	7169492	1298263	protocadherin alpha 10	Pcdha10	116778	1,33	up
6172121	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,16	up
5682149	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,14	up
6256163	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,02	up
6430407	7169492	1298264	protocadherin alpha 11	Pcdha11	394223	1,01	up
6075594	7169492	1298265	protocadherin alpha 12	Pcdha12	116779	1,14	down

5797431	7169599	1298461	protocadherin gamma subfamily A, 12	Pcdhga12	498850	1,67	down
6265756	7169599	1298460	protocadherin gamma subfamily A, 12	Pcdhga12	498850	1,53	up
6127122	7169599	1298461	protocadherin gamma subfamily A, 12	Pcdhga12	498850	1,34	up
5907387	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	3,23	up
6306683	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,53	down
6516555	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,18	up
5966018	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,15	down
6718602	7169599	1298441	protocadherin gamma subfamily A, 2	Pcdhga2	498846	1,01	up
5942024	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,69	up
6572348	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,48	down
5868919	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,16	down
6735136	7169599	1298442	protocadherin gamma subfamily A, 3	Pcdhga3	498847	1,05	up
6346073	7169599	1298445	protocadherin gamma subfamily A, 5	Pcdhga5	291637	1,06	up
6349093	7169599	1298445	protocadherin gamma subfamily A, 5	Pcdhga5	291637	1,02	up
6006894	7169599	1298448	protocadherin gamma subfamily A, 7	Pcdhga7	291635	1,35	down
6628982	7169599	1298448	protocadherin gamma subfamily A, 7	Pcdhga7	291635	1,04	down
6035182	7169599	1298447	protocadherin gamma subfamily A, 7	Pcdhga7	291635	1,04	up
6614314	7169599	1298450	protocadherin gamma subfamily A, 8	Pcdhga8	364843	1,05	down
6314445	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	6,91	down
5831038	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,38	down
6171922	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,22	up
6541847	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,16	down
6193999	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,10	down
6491386	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,09	down
5698140	7169599	1298452	protocadherin gamma subfamily A, 9	Pcdhga9	252895	1,07	up
6024109	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,52	up
6362355	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,17	up
6478600	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,06	down
6324815	7169599	1298455	protocadherin gamma subfamily B, 7	Pcdhgb7	364844	1,05	up
6223229	7169599	1298458	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,77	up
5878478	7169599	1298459	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,65	up
6384280	7169599	1298459	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,52	down
5660972	7169599	1298458	protocadherin gamma subfamily B, 8	Pcdhgb8	364845	1,48	up
6574233	7169599	1298462	protocadherin gamma subfamily C, 3	Pcdhgc3	116782	1,23	down
5695138	7160082	1275440	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	2,36	up
6653598	7160082	1275444	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,54	down
5892703	7160082	1275445	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,37	up
5693173	7160082	1275442	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,34	down
5741319	7160082	1275451	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,25	down
6699208	7160082	1275440	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,18	down
6235639	7160082	1275449	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,18	down
5875561	7160082	1275441	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,16	up
6413937	7160082	1275448	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,13	down
6087234	7160082	1275444	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,12	up
6047529	7160082	1275446	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,06	down
6617797	7160082	1275443	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,04	down
5660688	7160082	1275450	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,04	up
6525399	7160082	1275447	PRP18 pre-mRNA processing factor 18 homolog (S. cerevisiae)	Prpf18	171552	1,01	down
6589047	7047524	1004656	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	2,26	down
6584266	7047524	1004654	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	2,13	up
5710548	7047524	1004662	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	2,07	up
6414855	7047524	1004661	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,73	down
6473248	7047524	1004656	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,42	up
5806986	7047524	1004657	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,40	up
6706712	7047524	1004666	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,39	down
5633111	7047524	1004658	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,39	down
6697098	7047524	1004655	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,30	up

6611695	7047524	1004659	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,29	up
6175785	7047524	1004663	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,23	up
6340553	7047524	1004654	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,18	up
5841908	7047524	1004660	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,16	up
6020680	7047524	1004664	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,15	up
6224391	7047524	1004654	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,12	up
6461196	7047524	1004655	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,06	up
6186156	7047524	1004653	PRP31 pre-mRNA processing factor 31 homolog (S. cerevisiae)	Prpf31	292536	1,03	up
5695300	7298692	1618413	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	2,20	down
6355360	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,52	up
5930292	7298692	1618413	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,51	down
6699583	7298692	1618407	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,43	up
6348391	7298692	1618401	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,42	up
6666722	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,34	up
5963326	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,27	down
6260256	7298692	1618408	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,27	up
5717379	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,22	down
5723939	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,18	down
6350864	7298692	1618409	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,17	down
5789577	7298692	1618409	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,17	up
6262779	7298692	1618412	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,17	up
6328285	7298692	1618409	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,15	down
6417194	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,12	down
5948325	7298692	1618410	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,09	up
6184157	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,08	up
6323318	7298692	1618402	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,05	down
6733924	7298692	1618413	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,05	down
5827025	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,05	up
6252896	7298692	1618402	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,04	up
5861110	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,04	up
6733266	7298692	1618411	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,04	down
5723566	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,03	down
5676740	7298692	1618404	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,00	down
5979467	7298692	1618403	PRP39 pre-mRNA processing factor 39 homolog (S. cerevisiae)	Prpf39	314171	1,00	up
6014782	7236460	1464452	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	2,28	down
6698759	7236460	1464475	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,52	down
5945728	7236460	1464460	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,31	up
6251579	7236460	1464454	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,28	up
6301520	7236460	1464466	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,28	up
6729019	7236460	1464470	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,16	up
5958992	7236460	1464472	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,15	up
6177274	7236460	1464463	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,14	down
5859242	7236460	1464455	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,13	down
5903303	7236460	1464476	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,13	up
5983545	7236460	1464459	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,12	down
6631312	7236460	1464468	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,09	up
6420420	7236460	1464456	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,08	down
5831152	7236460	1464467	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,08	up
5634434	7236460	1464457	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,07	down
5678521	7236460	1464453	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,05	down
5839268	7236460	1464462	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,05	down
6280759	7236460	1464464	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,05	up
6567793	7236460	1464470	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,03	up
6043127	7236460	1464465	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,02	up
5971874	7236460	1464458	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,01	up
6068555	7236460	1464474	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,00	down
5824627	7236460	1464473	PRP6 pre-mRNA splicing factor 6 homolog (S. cerevisiae)	Prpf6	366276	1,00	up

6569308	7069721	1055318	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,37	down
6450746	7069721	1055323	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,34	up
5822479	7069721	1055319	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,33	down
5786099	7069721	1055317	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,20	down
6072199	7069721	1055323	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,10	down
6104351	7069721	1055320	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,09	up
5974010	7069721	1055321	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,06	up
6478856	7069721	1055321	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,05	up
6256910	7069721	1055322	PRP8 pre-mRNA processing factor 8 homolog (S. cerevisiae)	Prpf8	287530	1,02	down
6679743	7334636	1706501	pseudouridylate synthase 3	Pus3	315554	1,59	up
6663923	7334636	1706502	pseudouridylate synthase 3	Pus3	315554	1,32	up
6497965	7334636	1706502	pseudouridylate synthase 3	Pus3	315554	1,30	down
6732475	7334636	1706502	pseudouridylate synthase 3	Pus3	315554	1,09	down
5788481	7259925	1522564	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	2,32	up
6659000	7259925	1522568	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,93	up
5971216	7259925	1522542	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,86	down
6257720	7259925	1522554	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,41	up
6325141	7259925	1522555	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,37	down
6644619	7259925	1522569	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,36	up
6685731	7259925	1522550	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,36	down
6550003	7259925	1522561	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,36	down
6216763	7259925	1522559	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,34	up
6555138	7259925	1522563	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,34	up
6184132	7259925	1522544	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,32	up
6151419	7259925	1522551	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,29	down
6599088	7259925	1522565	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,27	down
6017138	7259925	1522548	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,26	up
6622716	7259925	1522547	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,22	down
6362435	7259925	1522542	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,21	down
6124319	7259925	1522543	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,19	down
6375259	7259925	1522566	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,18	down
6700700	7259925	1522560	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,12	up
6059426	7259925	1522547	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,11	up
6161528	7259925	1522562	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,11	up
6262469	7259925	1522567	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,09	up
6337410	7259925	1522537	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,07	up
5972185	7259925	1522567	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,05	down
6375520	7259925	1522557	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,04	up
5846841	7259925	1522570	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,03	up
5695020	7259925	1522546	PTPRF interacting protein, binding protein 1 (liprin beta 1)	Ppfibp1	312855	1,01	down
5721424	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	3,16	up
6177442	7099302	1126121	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	3,04	down
6168595	7099302	1126119	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	2,77	up
5686694	7099302	1126130	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,95	down
6043767	7099302	1126127	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,74	down
6252206	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,67	up
6002809	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,62	up
6506625	7099302	1126121	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,57	up
5658152	7099302	1126122	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,56	down
6238617	7099302	1126126	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,55	down
6482706	7099302	1126123	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,53	down
6343423	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,50	down
5668247	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,50	up
6107676	7099302	1126126	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,43	up
6012300	7099302	1126128	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,38	down
6486633	7099302	1126120	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,36	down
6639756	7099302	1126124	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,33	up

6175661	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,20	down
6672699	7099302	1126125	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,11	down
6451716	7099302	1126129	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,03	up
6094883	7099302	1126119	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,02	down
5771600	7099302	1126131	purinergic receptor P2X, ligand-gated ion channel, 2	P2rx2	114115	1,01	down
5806633	7133360	1209597	purinergic receptor P2Y, G-protein coupled, 5	P2ry5	691774	1,51	up
6593256	7133360	1209596	purinergic receptor P2Y, G-protein coupled, 5	P2ry5	691774	1,33	down
6525319	7133360	1209596	purinergic receptor P2Y, G-protein coupled, 5	P2ry5	691774	1,08	down
6229424	7249917	1497388	putative homeodomain transcription factor 2	Phtf2	296762	1,97	down
6723614	7249917	1497405	putative homeodomain transcription factor 2	Phtf2	296762	1,79	down
6198403	7249917	1497378	putative homeodomain transcription factor 2	Phtf2	296762	1,73	up
6166213	7249917	1497398	putative homeodomain transcription factor 2	Phtf2	296762	1,72	up
6458471	7249917	1497393	putative homeodomain transcription factor 2	Phtf2	296762	1,58	down
6646510	7249917	1497390	putative homeodomain transcription factor 2	Phtf2	296762	1,52	up
6396360	7249917	1497384	putative homeodomain transcription factor 2	Phtf2	296762	1,48	up
6687621	7249917	1497405	putative homeodomain transcription factor 2	Phtf2	296762	1,35	down
5641722	7249917	1497401	putative homeodomain transcription factor 2	Phtf2	296762	1,28	down
6679655	7249917	1497400	putative homeodomain transcription factor 2	Phtf2	296762	1,23	down
5645741	7249917	1497399	putative homeodomain transcription factor 2	Phtf2	296762	1,21	down
6420039	7249917	1497388	putative homeodomain transcription factor 2	Phtf2	296762	1,18	down
6442798	7249917	1497386	putative homeodomain transcription factor 2	Phtf2	296762	1,15	down
6295507	7249917	1497387	putative homeodomain transcription factor 2	Phtf2	296762	1,15	down
6373262	7249917	1497393	putative homeodomain transcription factor 2	Phtf2	296762	1,13	up
6707389	7249917	1497403	putative homeodomain transcription factor 2	Phtf2	296762	1,13	down
6515684	7249917	1497402	putative homeodomain transcription factor 2	Phtf2	296762	1,12	down
6560374	7249917	1497389	putative homeodomain transcription factor 2	Phtf2	296762	1,08	up
5848003	7249917	1497380	putative homeodomain transcription factor 2	Phtf2	296762	1,07	up
5924528	7249917	1497404	putative homeodomain transcription factor 2	Phtf2	296762	1,07	down
6161677	7249917	1497396	putative homeodomain transcription factor 2	Phtf2	296762	1,06	up
6343194	7249917	1497388	putative homeodomain transcription factor 2	Phtf2	296762	1,03	down
6183048	7249917	1497405	putative homeodomain transcription factor 2	Phtf2	296762	1,02	up
6198136	7153666	1259216	putative UA20 protein /// ATPase, class VI, type 11A	Ua20 /// Atp11a	246251 /// 3066600	2,44	up
5897589	7153666	1259216	putative UA20 protein /// ATPase, class VI, type 11A	Ua20 /// Atp11a	246251 /// 3066600	1,13	down
5965389	7153666	1259216	putative UA20 protein /// ATPase, class VI, type 11A	Ua20 /// Atp11a	246251 /// 3066600	1,04	down
5813953	7057636	1026159	PYD and CARD domain containing	Pycard	282817	2,19	up
6410580	7057636	1026160	PYD and CARD domain containing	Pycard	282817	1,37	down
5956781	7057636	1026158	PYD and CARD domain containing	Pycard	282817	1,17	down
6493597	7259616	1521665	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	2,50	down
6258422	7259616	1521654	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,68	up
6045103	7259616	1521664	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,63	down
6317777	7259616	1521656	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,62	up
5732739	7259616	1521653	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,60	down
5819578	7259616	1521653	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,52	down
6385660	7259616	1521655	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,33	up
6388519	7259616	1521657	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,28	down
5826401	7259616	1521659	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,27	down
6444294	7259616	1521663	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,22	down
6742626	7259616	1521662	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,18	up
6644814	7259616	1521658	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,18	up
6734957	7259616	1521660	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,09	up
6294437	7259616	1521661	pyridine nucleotide-disulphide oxidoreductase domain 1	Pyroxd1	297708	1,05	down
6033335	7217541	1416813	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	2,12	up
5756450	7217541	1416821	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,43	up
5765660	7217541	1416814	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,29	down
5717885	7217541	1416816	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,17	down
6739107	7217541	1416822	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,15	up
6162632	7217541	1416818	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,15	down

6319311	7217541	1416819	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,11	up
6187273	7217541	1416815	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,11	down
5677217	7217541	1416820	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,06	up
6679453	7217541	1416817	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,02	down
5663741	7217541	1416823	pyridoxal (pyridoxine, vitamin B6) kinase	Pdxk	83578	1,02	up
6315067	7318651	1669092	pyridoxal (pyridoxine, vitamin B6) phosphatase	Pdyp	727679	1,41	up
6143621	7318651	1669093	pyridoxal (pyridoxine, vitamin B6) phosphatase	Pdyp	727679	1,28	up
6134849	7318651	1669093	pyridoxal (pyridoxine, vitamin B6) phosphatase	Pdyp	727679	1,01	up
5678626	7144206	1236436	pyroglutamyl-peptidase I	Pgpep1	290648	2,41	down
5992697	7144206	1236437	pyroglutamyl-peptidase I	Pgpep1	290648	1,58	up
5751748	7144206	1236438	pyroglutamyl-peptidase I	Pgpep1	290648	1,12	down
6009549	7144206	1236440	pyroglutamyl-peptidase I	Pgpep1	290648	1,07	up
6264216	7144206	1236439	pyroglutamyl-peptidase I	Pgpep1	290648	1,06	up
6099050	7381993	1825220	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,94	down
6166014	7381993	1825216	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,79	down
6381716	7381993	1825227	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,78	down
6568878	7381993	1825225	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,65	down
6693717	7381993	1825228	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,63	up
6344222	7381993	1825233	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,59	up
6618898	7381993	1825233	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,54	down
6677084	7381993	1825222	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,46	down
6537727	7381993	1825219	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,32	down
5714531	7381993	1825223	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,18	down
6195945	7381993	1825221	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,16	up
6193895	7381993	1825229	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,12	down
5903965	7381993	1825226	pyruvate dehydrogenase kinase, isozyme 3	Pdk3	296849	1,08	down
6034219	7333533	1703805	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	3,23	down
6628436	7333533	1703798	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	3,13	up
5777121	7333533	1703801	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	2,32	up
6054763	7333533	1703796	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,78	down
5766628	7333533	1703802	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,53	up
6035844	7333533	1703798	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,39	down
5636905	7333533	1703803	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,25	up
6019769	7333533	1703806	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,21	up
6312215	7333533	1703799	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,16	down
5846165	7333533	1703805	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,13	down
6525558	7333533	1703799	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,09	down
6375017	7333533	1703797	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,08	up
5751081	7333533	1703804	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,04	down
5758686	7333533	1703800	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,04	up
6594863	7333533	1703796	queuine tRNA-ribosyltransferase 1	Qtrt1	64016	1,01	down
6497919	7112613	1158795	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	2,33	down
6231322	7112613	1158797	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	2,16	down
6655571	7112613	1158799	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	2,03	up
6486127	7112613	1158807	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,85	up
6079567	7112613	1158798	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,56	up
5958758	7112613	1158797	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,47	down
6703048	7112613	1158801	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,41	up
6329575	7112613	1158804	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,18	down
6505877	7112613	1158808	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,14	down
6634663	7112613	1158806	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,14	up
6306952	7112613	1158805	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,13	up
6081772	7112613	1158808	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,12	down
6593088	7112613	1158800	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,09	up
6149947	7112613	1158803	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,07	up
6743495	7112613	1158796	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,03	down
5904925	7112613	1158802	quiescin Q6 sulfhydryl oxidase 1	Qsox1	84491	1,01	down

6071222	7048859	1007242	Rab acceptor 1 (prenylated)	Rabac1	83583	2,30	up
5770643	7048859	1007245	Rab acceptor 1 (prenylated)	Rabac1	83583	1,28	up
6734959	7048859	1007246	Rab acceptor 1 (prenylated)	Rabac1	83583	1,25	down
6459846	7048859	1007247	Rab acceptor 1 (prenylated)	Rabac1	83583	1,12	down
6483488	7048859	1007244	Rab acceptor 1 (prenylated)	Rabac1	83583	1,11	down
6630028	7048859	1007243	Rab acceptor 1 (prenylated)	Rabac1	83583	1,05	up
6089236	7048859	1007247	Rab acceptor 1 (prenylated)	Rabac1	83583	1,03	up
5628780	7346776	1737122	RAB11a, member RAS oncogene family	Rab11a	81830	2,38	down
6689658	7346776	1737117	RAB11a, member RAS oncogene family	Rab11a	81830	1,47	down
5954832	7346776	1737117	RAB11a, member RAS oncogene family	Rab11a	81830	1,41	down
6263070	7346776	1737117	RAB11a, member RAS oncogene family	Rab11a	81830	1,30	down
5876254	7346776	1737119	RAB11a, member RAS oncogene family	Rab11a	81830	1,26	up
6461755	7346776	1737120	RAB11a, member RAS oncogene family	Rab11a	81830	1,19	up
5816709	7346776	1737117	RAB11a, member RAS oncogene family	Rab11a	81830	1,14	up
6366501	7346776	1737122	RAB11a, member RAS oncogene family	Rab11a	81830	1,09	down
6148924	7346776	1737118	RAB11a, member RAS oncogene family	Rab11a	81830	1,05	up
6620551	7346776	1737121	RAB11a, member RAS oncogene family	Rab11a	81830	1,03	up
5623017	7353224	1752663	RAB23, member RAS oncogene family	Rab23	367242	1,56	up
5670434	7353224	1752666	RAB23, member RAS oncogene family	Rab23	367242	1,31	down
5756540	7353224	1752676	RAB23, member RAS oncogene family	Rab23	367242	1,29	down
5724078	7353224	1752665	RAB23, member RAS oncogene family	Rab23	367242	1,27	down
5639522	7353224	1752672	RAB23, member RAS oncogene family	Rab23	367242	1,24	up
5968553	7353224	1752676	RAB23, member RAS oncogene family	Rab23	367242	1,22	down
6644641	7353224	1752673	RAB23, member RAS oncogene family	Rab23	367242	1,18	down
6553066	7353224	1752674	RAB23, member RAS oncogene family	Rab23	367242	1,15	up
5777107	7353224	1752676	RAB23, member RAS oncogene family	Rab23	367242	1,11	up
5826562	7353224	1752668	RAB23, member RAS oncogene family	Rab23	367242	1,11	down
6007811	7353224	1752664	RAB23, member RAS oncogene family	Rab23	367242	1,11	up
5732232	7353224	1752672	RAB23, member RAS oncogene family	Rab23	367242	1,07	up
6172017	7075338	1069036	RAB26, member RAS oncogene family	Rab26	171111	2,01	down
5800208	7075338	1069033	RAB26, member RAS oncogene family	Rab26	171111	1,99	up
5925819	7075338	1069042	RAB26, member RAS oncogene family	Rab26	171111	1,86	down
6408689	7075338	1069040	RAB26, member RAS oncogene family	Rab26	171111	1,58	down
5842508	7075338	1069035	RAB26, member RAS oncogene family	Rab26	171111	1,55	down
6406463	7075338	1069037	RAB26, member RAS oncogene family	Rab26	171111	1,45	up
6414493	7075338	1069039	RAB26, member RAS oncogene family	Rab26	171111	1,33	down
6341000	7075338	1069038	RAB26, member RAS oncogene family	Rab26	171111	1,31	down
5745722	7075338	1069034	RAB26, member RAS oncogene family	Rab26	171111	1,17	up
6031264	7075338	1069042	RAB26, member RAS oncogene family	Rab26	171111	1,08	up
6594671	7075338	1069041	RAB26, member RAS oncogene family	Rab26	171111	1,06	up
6360883	7193916	1360453	RAB33B, member of RAS oncogene family	Rab33b	365793	1,84	down
6064709	7193916	1360453	RAB33B, member of RAS oncogene family	Rab33b	365793	1,69	down
6501612	7193916	1360447	RAB33B, member of RAS oncogene family	Rab33b	365793	1,52	down
6234533	7193916	1360447	RAB33B, member of RAS oncogene family	Rab33b	365793	1,27	up
6356449	7193916	1360453	RAB33B, member of RAS oncogene family	Rab33b	365793	1,12	down
5845606	7193916	1360447	RAB33B, member of RAS oncogene family	Rab33b	365793	1,09	up
6426498	7193916	1360452	RAB33B, member of RAS oncogene family	Rab33b	365793	1,09	up
5724760	7267000	1539309	RAB43, member RAS oncogene family	Rab43	500249	2,73	down
6426777	7267000	1539303	RAB43, member RAS oncogene family	Rab43	500249	1,50	up
5989860	7267000	1539310	RAB43, member RAS oncogene family	Rab43	500249	1,35	down
6074390	7267000	1539305	RAB43, member RAS oncogene family	Rab43	500249	1,16	up
5764226	7267000	1539303	RAB43, member RAS oncogene family	Rab43	500249	1,02	up
6310034	7098535	1123955	rabphilin 3A	Rph3a	171039	2,75	down
6718767	7098535	1123965	rabphilin 3A	Rph3a	171039	1,84	down
6703418	7098535	1123958	rabphilin 3A	Rph3a	171039	1,63	down
6163583	7098535	1123953	rabphilin 3A	Rph3a	171039	1,36	down
5841137	7098535	1123961	rabphilin 3A	Rph3a	171039	1,35	up

6235055	7098535	1123966	rabphilin 3A	Rph3a	171039	1,35	down
6613679	7098535	1123964	rabphilin 3A	Rph3a	171039	1,28	up
6228141	7098535	1123956	rabphilin 3A	Rph3a	171039	1,27	up
6526409	7098535	1123950	rabphilin 3A	Rph3a	171039	1,26	up
6510283	7098535	1123969	rabphilin 3A	Rph3a	171039	1,24	down
6572645	7098535	1123957	rabphilin 3A	Rph3a	171039	1,13	down
5669712	7098535	1123955	rabphilin 3A	Rph3a	171039	1,12	down
6657078	7098535	1123960	rabphilin 3A	Rph3a	171039	1,11	up
5913503	7098535	1123968	rabphilin 3A	Rph3a	171039	1,10	down
6479823	7098535	1123967	rabphilin 3A	Rph3a	171039	1,10	up
6395188	7098535	1123959	rabphilin 3A	Rph3a	171039	1,10	up
6531652	7098535	1123957	rabphilin 3A	Rph3a	171039	1,09	down
5690862	7098535	1123954	rabphilin 3A	Rph3a	171039	1,08	down
6481724	7098535	1123951	rabphilin 3A	Rph3a	171039	1,04	down
6694179	7098535	1123963	rabphilin 3A	Rph3a	171039	1,03	up
6042218	7098535	1123962	rabphilin 3A	Rph3a	171039	1,03	up
6277109	7098535	1123952	rabphilin 3A	Rph3a	171039	1,00	up
5964258	7203041	1382731	RAD17 homolog (S. pombe)	Rad17	310034	1,49	down
6318087	7203041	1382728	RAD17 homolog (S. pombe)	Rad17	310034	1,38	up
6121718	7203041	1382725	RAD17 homolog (S. pombe)	Rad17	310034	1,32	up
5899468	7203041	1382724	RAD17 homolog (S. pombe)	Rad17	310034	1,26	down
6254158	7203041	1382716	RAD17 homolog (S. pombe)	Rad17	310034	1,22	down
6711746	7203041	1382711	RAD17 homolog (S. pombe)	Rad17	310034	1,22	down
6388539	7203041	1382713	RAD17 homolog (S. pombe)	Rad17	310034	1,20	up
5922401	7203041	1382714	RAD17 homolog (S. pombe)	Rad17	310034	1,15	down
5739098	7203041	1382719	RAD17 homolog (S. pombe)	Rad17	310034	1,11	up
5784643	7203041	1382718	RAD17 homolog (S. pombe)	Rad17	310034	1,11	down
6189700	7203041	1382720	RAD17 homolog (S. pombe)	Rad17	310034	1,09	up
5776503	7203041	1382712	RAD17 homolog (S. pombe)	Rad17	310034	1,09	up
6215266	7203041	1382723	RAD17 homolog (S. pombe)	Rad17	310034	1,07	down
6059855	7203041	1382715	RAD17 homolog (S. pombe)	Rad17	310034	1,06	up
5699791	7203041	1382723	RAD17 homolog (S. pombe)	Rad17	310034	1,06	down
6124310	7203041	1382726	RAD17 homolog (S. pombe)	Rad17	310034	1,04	up
6561398	7203041	1382722	RAD17 homolog (S. pombe)	Rad17	310034	1,04	up
6236409	7203041	1382714	RAD17 homolog (S. pombe)	Rad17	310034	1,03	up
6181963	7203041	1382717	RAD17 homolog (S. pombe)	Rad17	310034	1,02	down
5767176	7203041	1382721	RAD17 homolog (S. pombe)	Rad17	310034	1,02	down
6564082	7269763	1546532	RAD51 associated protein 1	Rad51ap1	689055	2,24	down
6171503	7269763	1546531	RAD51 associated protein 1	Rad51ap1	689055	1,37	up
6663276	7269763	1546531	RAD51 associated protein 1	Rad51ap1	689055	1,20	down
6374746	7269763	1546538	RAD51 associated protein 1	Rad51ap1	689055	1,14	up
6386855	7269763	1546535	RAD51 associated protein 1	Rad51ap1	689055	1,11	up
5980397	7269763	1546539	RAD51 associated protein 1	Rad51ap1	689055	1,10	down
6219454	7269763	1546537	RAD51 associated protein 1	Rad51ap1	689055	1,08	up
5738266	7269763	1546541	RAD51 associated protein 1	Rad51ap1	689055	1,06	up
5779161	7269763	1546530	RAD51 associated protein 1	Rad51ap1	689055	1,06	down
5637889	7269763	1546540	RAD51 associated protein 1	Rad51ap1	689055	1,04	up
5871541	7269763	1546534	RAD51 associated protein 1	Rad51ap1	689055	1,00	up
6270215	7029380	959378	radial spokehead-like 1	Rsh11	292684	2,36	up
6536751	7029380	959381	radial spokehead-like 1	Rsh11	292684	1,28	up
5828001	7029380	959382	radial spokehead-like 1	Rsh11	292684	1,23	down
5821901	7029380	959374	radial spokehead-like 1	Rsh11	292684	1,21	up
6580371	7029380	959373	radial spokehead-like 1	Rsh11	292684	1,14	down
6446884	7029380	959378	radial spokehead-like 1	Rsh11	292684	1,09	down
6540984	7029380	959381	radial spokehead-like 1	Rsh11	292684	1,07	up
6317269	7029380	959378	radial spokehead-like 1	Rsh11	292684	1,06	up
6501830	7029380	959382	radial spokehead-like 1	Rsh11	292684	1,05	down

5872149	7029380	959373	radial spokehead-like 1	Rshl1	292684	1,05	up
6055772	7029380	959380	radial spokehead-like 1	Rshl1	292684	1,02	up
6142093	7305174	1635457	radical S-adenosyl methionine domain containing 2	Rsad2	65190	4,14	down
5654600	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	2,90	down
6318232	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	2,09	up
6253424	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,74	down
6460507	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,61	up
6306839	7305174	1635454	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,52	up
6358603	7305174	1635453	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,47	down
6119722	7305174	1635451	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,32	up
6611263	7305174	1635455	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,13	up
6560848	7305174	1635456	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,09	up
6265562	7305174	1635452	radical S-adenosyl methionine domain containing 2	Rsad2	65190	1,06	up
6267735	7112350	1158020	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	2,22	up
6496180	7112350	1158022	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	2,17	up
6115022	7112350	1158007	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,90	up
6176598	7112350	1158019	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,66	down
6354367	7112350	1158046	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,59	down
6659979	7112350	1158039	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,59	up
5773700	7112350	1158012	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,58	down
5864765	7112350	1158013	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,55	up
6514299	7112350	1158011	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,43	down
6019110	7112350	1158021	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,37	down
6020530	7112350	1158014	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,36	up
6499303	7112350	1158016	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,26	up
6175289	7112350	1158007	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,23	down
6011317	7112350	1158011	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,22	down
6464407	7112350	1158018	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,19	up
6457878	7112350	1158010	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,08	up
5821579	7112350	1158015	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,05	up
6154146	7112350	1158008	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,05	down
5989333	7112350	1158055	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,05	up
6207346	7112350	1158027	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,05	up
6637857	7112350	1158017	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,02	up
6514298	7112350	1158007	ral guanine nucleotide dissociation stimulator,-like 1	Rgl1	289080	1,02	up
6719006	7221019	1425315	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,90	up
5703023	7221019	1425318	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,73	down
6576029	7221019	1425316	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,66	down
6545652	7221019	1425311	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,30	up
6196980	7221019	1425322	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,27	down
6509648	7221019	1425321	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,22	up
5959183	7221019	1425314	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,22	down
6441081	7221019	1425323	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,21	down
6296369	7221019	1425324	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,20	down
6019039	7221019	1425312	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,19	up
6007148	7221019	1425309	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,18	down
5981046	7221019	1425325	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,10	down
6179929	7221019	1425317	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,09	down
6166579	7221019	1425313	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,07	up
5874182	7221019	1425326	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,04	up
6384729	7221019	1425319	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,03	up
5796897	7221019	1425326	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,03	down
6051693	7221019	1425320	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,02	up
6716761	7221019	1425310	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,02	up
6059718	7221019	1425312	ral guanine nucleotide dissociation stimulator-like 2	Rgl2	294283	1,01	down
6556605	7076099	1070642	RAN binding protein 17	Ranbp17	303029	1,68	up
5818306	7076099	1070690	RAN binding protein 17	Ranbp17	303029	1,66	down

6211736	7076099	1070653	RAN binding protein 17	Ranbp17	303029	1,61	up
6647216	7076099	1070646	RAN binding protein 17	Ranbp17	303029	1,59	up
6730037	7076099	1070631	RAN binding protein 17	Ranbp17	303029	1,42	up
6367691	7076099	1070659	RAN binding protein 17	Ranbp17	303029	1,42	down
6229263	7076099	1070682	RAN binding protein 17	Ranbp17	303029	1,40	down
5713912	7076099	1070680	RAN binding protein 17	Ranbp17	303029	1,39	up
5645874	7076099	1070685	RAN binding protein 17	Ranbp17	303029	1,39	down
6164580	7076099	1070689	RAN binding protein 17	Ranbp17	303029	1,38	up
5994031	7076099	1070687	RAN binding protein 17	Ranbp17	303029	1,32	down
6541106	7076099	1070686	RAN binding protein 17	Ranbp17	303029	1,30	down
5874801	7076099	1070683	RAN binding protein 17	Ranbp17	303029	1,19	down
6200625	7076099	1070688	RAN binding protein 17	Ranbp17	303029	1,19	down
6118538	7076099	1070642	RAN binding protein 17	Ranbp17	303029	1,17	up
6241455	7076099	1070639	RAN binding protein 17	Ranbp17	303029	1,14	down
6273185	7076099	1070688	RAN binding protein 17	Ranbp17	303029	1,13	down
5885881	7076099	1070654	RAN binding protein 17	Ranbp17	303029	1,12	down
5663056	7076099	1070630	RAN binding protein 17	Ranbp17	303029	1,12	up
6517117	7076099	1070681	RAN binding protein 17	Ranbp17	303029	1,12	down
6731575	7076099	1070646	RAN binding protein 17	Ranbp17	303029	1,08	up
5793812	7076099	1070674	RAN binding protein 17	Ranbp17	303029	1,08	down
5925391	7076099	1070690	RAN binding protein 17	Ranbp17	303029	1,06	up
6144520	7076099	1070632	RAN binding protein 17	Ranbp17	303029	1,06	down
5993267	7076099	1070645	RAN binding protein 17	Ranbp17	303029	1,05	down
6278227	7076099	1070630	RAN binding protein 17	Ranbp17	303029	1,05	up
6640227	7076099	1070651	RAN binding protein 17	Ranbp17	303029	1,04	up
6669516	7076099	1070677	RAN binding protein 17	Ranbp17	303029	1,04	down
6658864	7076099	1070658	RAN binding protein 17	Ranbp17	303029	1,04	up
5833448	7076099	1070685	RAN binding protein 17	Ranbp17	303029	1,03	up
6568031	7076099	1070641	RAN binding protein 17	Ranbp17	303029	1,01	up
6295572	7076099	1070642	RAN binding protein 17	Ranbp17	303029	1,01	down
6161683	7076099	1070679	RAN binding protein 17	Ranbp17	303029	1,00	up
6025288	7331416	1699160	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	2,54	up
6705829	7331416	1699147	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	2,53	up
5769806	7331416	1699168	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	2,22	down
6045229	7331416	1699158	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,96	up
5923242	7331416	1699154	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,85	down
5740888	7331416	1699169	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,74	down
6554480	7331416	1699145	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,73	down
6169025	7331416	1699149	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,65	up
6161171	7331416	1699151	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,52	down
6541283	7331416	1699160	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,49	down
5655397	7331416	1699164	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,48	up
6714548	7331416	1699152	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,44	up
6398464	7331416	1699163	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,40	up
5826332	7331416	1699150	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,40	up
6144041	7331416	1699155	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,40	up
6292977	7331416	1699146	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,39	down
6270271	7331416	1699162	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,30	up
6285762	7331416	1699144	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,28	down
5910345	7331416	1699159	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,27	up
5706514	7331416	1699169	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,25	down
6474285	7331416	1699157	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,23	down
5921545	7331416	1699143	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,22	down
6277508	7331416	1699166	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,20	down
6470284	7331416	1699153	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,18	up
5992200	7331416	1699156	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,15	up
5918268	7331416	1699161	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,14	down

6385069	7331416	1699148	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,14	up
6552796	7331416	1699169	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,11	up
5793013	7331416	1699165	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,05	down
6546988	7331416	1699167	Rap guanine nucleotide exchange factor (GEF) 3	Rapgef3	59326	1,05	down
5849460	7067670	1050341	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,77	down
5853874	7067670	1050372	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,69	down
6616117	7067670	1050335	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,61	down
5654313	7067670	1050367	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,58	down
6688975	7067670	1050370	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,51	down
6121556	7067670	1050350	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,46	down
5709972	7067670	1050352	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,45	down
6743830	7067670	1050332	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,45	down
6099656	7067670	1050347	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,45	down
6586349	7067670	1050353	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,39	down
6238793	7067670	1050359	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,38	down
6190213	7067670	1050339	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,37	down
6061193	7067670	1050354	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,36	down
6575854	7067670	1050340	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,32	down
6474781	7067670	1050336	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,31	down
6155608	7067670	1050356	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,30	down
6506956	7067670	1050331	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,27	down
6035905	7067670	1050327	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,27	down
5954192	7067670	1050326	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,25	down
6549191	7067670	1050369	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,24	down
6705661	7067670	1050348	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,24	down
6000044	7067670	1050329	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,23	down
5739533	7067670	1050348	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,23	down
6255902	7067670	1050353	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,21	down
6738397	7067670	1050372	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,18	down
6535368	7067670	1050350	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,17	down
6375865	7067670	1050338	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,16	down
6050518	7067670	1050342	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,14	down
5762597	7067670	1050337	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,14	down
6710322	7067670	1050328	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,13	down
6365768	7067670	1050360	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,06	down
5813100	7067670	1050371	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,03	down
6070907	7067670	1050358	Rap guanine nucleotide exchange factor (GEF) 6	Rapgef6	303141	1,03	down
5898419	7227433	1440994	RAP1 interacting factor homolog (yeast)	Rif1	295602	1,11	up
6053612	7337522	1713641	RAR-related orphan receptor alpha	Rora	300807	1,77	up
5918130	7337522	1713641	RAR-related orphan receptor alpha	Rora	300807	1,76	up
5806656	7337522	1713636	RAR-related orphan receptor alpha	Rora	300807	1,74	up
6048578	7337522	1713637	RAR-related orphan receptor alpha	Rora	300807	1,65	up
5789380	7337522	1713638	RAR-related orphan receptor alpha	Rora	300807	1,64	up
6590492	7337522	1713615	RAR-related orphan receptor alpha	Rora	300807	1,62	down
6165070	7337522	1713632	RAR-related orphan receptor alpha	Rora	300807	1,54	up
5668827	7337522	1713633	RAR-related orphan receptor alpha	Rora	300807	1,42	up
5716188	7337522	1713640	RAR-related orphan receptor alpha	Rora	300807	1,40	up
6447604	7337522	1713629	RAR-related orphan receptor alpha	Rora	300807	1,33	up
5746130	7337522	1713632	RAR-related orphan receptor alpha	Rora	300807	1,31	up
6358143	7337522	1713642	RAR-related orphan receptor alpha	Rora	300807	1,23	up
6243402	7337522	1713590	RAR-related orphan receptor alpha	Rora	300807	1,16	down
6295135	7337522	1713590	RAR-related orphan receptor alpha	Rora	300807	1,13	down
5868276	7196769	1367259	RAR-related orphan receptor C	Rorc	368158	2,26	down
6593608	7196769	1367272	RAR-related orphan receptor C	Rorc	368158	1,50	up
6413423	7196769	1367259	RAR-related orphan receptor C	Rorc	368158	1,06	up
5939100	7196769	1367275	RAR-related orphan receptor C /// leucine rich repeat and Ig domain containing 4	Rorc /// Lingo4	368158 /// 499668	1,23	up
5918027	7196769	1367270	RAR-related orphan receptor C /// leucine rich repeat and Ig domain containing 4	Rorc /// Lingo4	368158 /// 499668	1,21	up

5807922	7196769	1367274	RAR-related orphan receptor C /// leucine rich repeat and Ig domain containing 4	Rorc /// Lingo4	368158 /// 499668	1,16	up
6029492	7196769	1367273	RAR-related orphan receptor C /// leucine rich repeat and Ig domain containing 4	Rorc /// Lingo4	368158 /// 499668	1,13	down
5821544	7196769	1367271	RAR-related orphan receptor C /// leucine rich repeat and Ig domain containing 4	Rorc /// Lingo4	368158 /// 499668	1,04	up
6363104	7131742	1205802	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	4,06	up
6550033	7131742	1205800	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,66	up
5628933	7131742	1205798	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,33	down
6061036	7131742	1205801	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,20	down
5648472	7131742	1205799	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,15	up
5719349	7131742	1205799	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,15	up
6249494	7131742	1205802	RAS (RAD and GEM) like GTP binding 2	Rem2	64626	1,04	up
5632800	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,60	down
5886564	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,46	down
5917193	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,37	down
5999231	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,22	up
5726896	7233970	1458274	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,14	down
6192666	7233970	1458269	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,10	down
6683517	7233970	1458275	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,08	up
6620087	7233970	1458272	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,06	up
6349582	7233970	1458271	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,03	up
5862972	7233970	1458275	RAS (RAD and GEM)-like GTP-binding 1	Rem1	366232	1,01	up
5928459	7039108	983344	Ras and Rab interactor 1	Rin1	207119	2,02	up
6596677	7039108	983338	Ras and Rab interactor 1	Rin1	207119	1,95	down
6744926	7039108	983340	Ras and Rab interactor 1	Rin1	207119	1,94	down
6152055	7039108	983336	Ras and Rab interactor 1	Rin1	207119	1,58	up
6303150	7039108	983343	Ras and Rab interactor 1	Rin1	207119	1,54	up
6551553	7039108	983341	Ras and Rab interactor 1	Rin1	207119	1,46	up
5796187	7039108	983336	Ras and Rab interactor 1	Rin1	207119	1,42	down
6099919	7039108	983345	Ras and Rab interactor 1	Rin1	207119	1,41	down
6155917	7039108	983339	Ras and Rab interactor 1	Rin1	207119	1,35	down
6361716	7039108	983342	Ras and Rab interactor 1	Rin1	207119	1,33	down
6016984	7039108	983342	Ras and Rab interactor 1	Rin1	207119	1,32	up
6726005	7039108	983336	Ras and Rab interactor 1	Rin1	207119	1,06	up
6235677	7039108	983337	Ras and Rab interactor 1	Rin1	207119	1,04	up
6310883	7039108	983345	Ras and Rab interactor 1	Rin1	207119	1,02	down
6342893	7110960	1154693	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	2,33	down
6398562	7110960	1154690	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,17	up
6136997	7110960	1154692	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,17	up
6035058	7110960	1154693	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,17	down
6517068	7110960	1154686	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,16	down
6632297	7110960	1154689	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,16	up
6080626	7110960	1154693	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,14	down
6418677	7110960	1154687	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,09	up
6038719	7110960	1154691	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,08	down
6267707	7110960	1154688	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,04	down
6116376	7110960	1154688	Ras association (RalGDS/AF-6) domain family member 5	Rassf5	54355	1,03	up
5636564	7039303	983877	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	2,14	down
5966348	7039303	983870	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	2,01	up
5872034	7039303	983876	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,74	down
5772899	7039303	983874	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,41	down
5729378	7039303	983878	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,40	up
6740004	7039303	983885	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,39	up
6053273	7039303	983882	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,28	down
6233415	7039303	983884	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,28	up
6174985	7039303	983880	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,27	down
5866303	7039303	983881	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,21	up
5751834	7039303	983879	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,19	up
6364150	7039303	983872	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,18	down

6498903	7039303	983886	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,03	up
6444973	7039303	983870	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,03	down
6523615	7039303	983873	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,03	up
6321076	7039303	983883	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,01	up
5872744	7039303	983868	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,01	down
6389651	7039303	983884	RAS guanyl releasing protein 2 (calcium and DAG-regulated)	Rasgrp2	361714	1,00	up
6476683	7167063	1291900	Ras suppressor protein 1	Rsu1	680419	3,14	down
5984071	7167063	1291900	Ras suppressor protein 1	Rsu1	680419	1,47	down
6266320	7167063	1291900	Ras suppressor protein 1	Rsu1	680419	1,41	up
6174842	7167063	1291869	Ras suppressor protein 1	Rsu1	680419	1,25	up
5659841	7167063	1291873	Ras suppressor protein 1	Rsu1	680419	1,22	up
6210455	7167063	1291869	Ras suppressor protein 1	Rsu1	680419	1,21	up
5833705	7167063	1291885	Ras suppressor protein 1	Rsu1	680419	1,19	down
6338709	7167063	1291896	Ras suppressor protein 1	Rsu1	680419	1,18	up
6321349	7167063	1291885	Ras suppressor protein 1	Rsu1	680419	1,11	up
6065380	7167063	1291888	Ras suppressor protein 1	Rsu1	680419	1,09	up
6067630	7167063	1291891	Ras suppressor protein 1	Rsu1	680419	1,08	down
6632977	7167063	1291887	Ras suppressor protein 1	Rsu1	680419	1,07	down
5887402	7178979	1322369	RASD family, member 2	Rasd2	171099	5,10	down
5979301	7178979	1322366	RASD family, member 2	Rasd2	171099	4,11	up
5783219	7178979	1322366	RASD family, member 2	Rasd2	171099	2,98	down
5687446	7178979	1322366	RASD family, member 2	Rasd2	171099	2,57	down
6215296	7178979	1322365	RASD family, member 2	Rasd2	171099	2,37	down
6596264	7178979	1322369	RASD family, member 2	Rasd2	171099	2,23	up
6246887	7178979	1322364	RASD family, member 2	Rasd2	171099	2,10	down
5730374	7178979	1322367	RASD family, member 2	Rasd2	171099	1,77	up
6518983	7178979	1322369	RASD family, member 2	Rasd2	171099	1,72	down
6586578	7178979	1322368	RASD family, member 2	Rasd2	171099	1,67	up
6164694	7067212	1049218	RasGEF domain family, member 1C	Rasgef1c	360519	2,21	down
6413529	7067212	1049228	RasGEF domain family, member 1C	Rasgef1c	360519	2,00	up
5934545	7067212	1049217	RasGEF domain family, member 1C	Rasgef1c	360519	2,00	down
6220293	7067212	1049225	RasGEF domain family, member 1C	Rasgef1c	360519	1,88	up
5875160	7067212	1049226	RasGEF domain family, member 1C	Rasgef1c	360519	1,60	up
5779699	7067212	1049215	RasGEF domain family, member 1C	Rasgef1c	360519	1,58	down
6665814	7067212	1049222	RasGEF domain family, member 1C	Rasgef1c	360519	1,32	down
6122569	7067212	1049199	RasGEF domain family, member 1C	Rasgef1c	360519	1,27	up
6577227	7067212	1049216	RasGEF domain family, member 1C	Rasgef1c	360519	1,23	down
6303687	7067212	1049223	RasGEF domain family, member 1C	Rasgef1c	360519	1,22	down
6712887	7067212	1049227	RasGEF domain family, member 1C	Rasgef1c	360519	1,19	up
6590015	7067212	1049220	RasGEF domain family, member 1C	Rasgef1c	360519	1,16	down
6498632	7067212	1049219	RasGEF domain family, member 1C	Rasgef1c	360519	1,15	down
6550785	7067212	1049224	RasGEF domain family, member 1C	Rasgef1c	360519	1,14	down
6724139	7067212	1049222	RasGEF domain family, member 1C	Rasgef1c	360519	1,01	up
6153610	7174098	1310346	Ras-like without CAAX 2	Rit2	291713	2,11	down
6310655	7174098	1310347	Ras-like without CAAX 2	Rit2	291713	1,66	down
5843089	7174098	1310345	Ras-like without CAAX 2	Rit2	291713	1,63	down
6028755	7174098	1310350	Ras-like without CAAX 2	Rit2	291713	1,45	up
6451457	7174098	1310348	Ras-like without CAAX 2	Rit2	291713	1,31	up
6417458	7174098	1310350	Ras-like without CAAX 2	Rit2	291713	1,30	up
6456964	7174098	1310349	Ras-like without CAAX 2	Rit2	291713	1,09	down
6277516	7380548	1821987	Ras-related GTP binding B	RragB	117043	2,95	up
6117272	7380548	1821982	Ras-related GTP binding B	RragB	117043	1,68	down
6535139	7380548	1821987	Ras-related GTP binding B	RragB	117043	1,44	up
6529864	7380548	1821986	Ras-related GTP binding B	RragB	117043	1,41	down
5623374	7380548	1821977	Ras-related GTP binding B	RragB	117043	1,26	down
6696506	7380548	1821983	Ras-related GTP binding B	RragB	117043	1,19	down
5671546	7380548	1821978	Ras-related GTP binding B	RragB	117043	1,18	down

6490592	7380548	1821980	Ras-related GTP binding B	RragB	117043	1,13	down
5786798	7380548	1821984	Ras-related GTP binding B	RragB	117043	1,07	down
6093714	7380548	1821981	Ras-related GTP binding B	RragB	117043	1,05	up
5810142	7380548	1821985	Ras-related GTP binding B	RragB	117043	1,03	up
6214149	7380548	1821979	Ras-related GTP binding B	RragB	117043	1,02	down
6087042	7279303	1571218	Ras-related GTP binding C	Rragc	298514	2,09	up
6689577	7279303	1571216	Ras-related GTP binding C	Rragc	298514	2,04	up
5640511	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,79	up
5867807	7279303	1571215	Ras-related GTP binding C	Rragc	298514	1,70	up
6405068	7279303	1571217	Ras-related GTP binding C	Rragc	298514	1,61	up
5692121	7279303	1571209	Ras-related GTP binding C	Rragc	298514	1,60	up
6312125	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,50	up
6292097	7279303	1571218	Ras-related GTP binding C	Rragc	298514	1,44	up
6550334	7279303	1571211	Ras-related GTP binding C	Rragc	298514	1,40	up
6041540	7279303	1571214	Ras-related GTP binding C	Rragc	298514	1,40	up
5856509	7279303	1571213	Ras-related GTP binding C	Rragc	298514	1,30	up
5782950	7059584	1030542	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	2,04	up
6002591	7059584	1030546	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,75	up
6090935	7059584	1030545	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,75	up
5967938	7059584	1030543	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,49	up
6367945	7059584	1030542	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,35	up
6073745	7059584	1030544	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,35	up
6180978	7059584	1030543	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,25	down
6578463	7059584	1030546	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,18	up
6704144	7059584	1030546	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,16	up
5985690	7059584	1030542	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,08	down
6006886	7059584	1030542	RCE1 homolog, prenyl protein peptidase (<i>S. cerevisiae</i>)	Rce1	309153	1,06	down
6625133	7094771	1114512	receptor (chemosensory) transporter protein 4	Rtp4	360733	3,59	up
6590933	7094771	1114512	receptor (chemosensory) transporter protein 4	Rtp4	360733	2,60	up
6262832	7094771	1114510	receptor (chemosensory) transporter protein 4	Rtp4	360733	2,05	down
5734132	7094771	1114515	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,96	down
6210979	7094771	1114514	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,28	down
6105976	7094771	1114511	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,18	down
6152991	7094771	1114511	receptor (chemosensory) transporter protein 4	Rtp4	360733	1,01	up
6368931	7229909	1447251	receptor-associated protein of the synapse	Rapsn	362161	1,66	up
6135223	7229909	1447245	receptor-associated protein of the synapse	Rapsn	362161	1,39	down
6005716	7229909	1447249	receptor-associated protein of the synapse	Rapsn	362161	1,28	down
6476225	7229909	1447246	receptor-associated protein of the synapse	Rapsn	362161	1,20	up
6037328	7229909	1447253	receptor-associated protein of the synapse	Rapsn	362161	1,16	down
5783638	7229909	1447250	receptor-associated protein of the synapse	Rapsn	362161	1,12	up
6036733	7229909	1447254	receptor-associated protein of the synapse	Rapsn	362161	1,09	down
6652613	7229909	1447252	receptor-associated protein of the synapse	Rapsn	362161	1,06	down
5840244	7284153	1583006	receptor-interacting serine-threonine kinase 2	Ripk2	362491	2,07	down
5688986	7284153	1583006	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,62	up
6493593	7284153	1583010	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,57	up
6531710	7284153	1583012	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,56	down
6633117	7284153	1583004	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,50	down
6553907	7284153	1583013	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,49	up
6142471	7284153	1583016	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,25	down
6705683	7284153	1583008	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,23	up
6488027	7284153	1583005	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,15	down
6028851	7284153	1583015	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,10	up
6526828	7284153	1583003	receptor-interacting serine-threonine kinase 2	Ripk2	362491	1,07	down
6213985	7138335	1221896	receptor-interacting serine-threonine kinase 3	Ripk3	246240	2,15	up
5643873	7138335	1221894	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,77	down
5652287	7138335	1221900	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,59	up
6221106	7138335	1221899	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,58	up

5943705	7138335	1221898	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,48	down
6087844	7138335	1221891	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,44	down
5723603	7138335	1221901	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,34	down
5837533	7138335	1221892	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,15	up
6701698	7138335	1221897	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,14	up
5798410	7138335	1221898	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,11	down
6596306	7138335	1221896	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,10	up
6557784	7138335	1221893	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,10	up
5920237	7138335	1221890	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,04	down
6400903	7138335	1221892	receptor-interacting serine-threonine kinase 3	Ripk3	246240	1,02	down
6618063	7084500	1089695	RecQ protein-like 5	Recq15	287834	2,11	down
5873907	7084500	1089698	RecQ protein-like 5	Recq15	287834	1,95	down
6086136	7084500	1089701	RecQ protein-like 5	Recq15	287834	1,84	up
6069150	7084500	1089693	RecQ protein-like 5	Recq15	287834	1,57	down
5974243	7084500	1089703	RecQ protein-like 5	Recq15	287834	1,54	up
6499456	7084500	1089693	RecQ protein-like 5	Recq15	287834	1,46	down
6709596	7084500	1089696	RecQ protein-like 5	Recq15	287834	1,41	down
5889136	7084500	1089718	RecQ protein-like 5	Recq15	287834	1,40	up
6291661	7084500	1089716	RecQ protein-like 5	Recq15	287834	1,29	up
6668556	7084500	1089694	RecQ protein-like 5	Recq15	287834	1,28	down
5846729	7084500	1089695	RecQ protein-like 5	Recq15	287834	1,26	down
6622967	7084500	1089713	RecQ protein-like 5	Recq15	287834	1,21	down
6484008	7084500	1089720	RecQ protein-like 5	Recq15	287834	1,20	down
5890355	7084500	1089696	RecQ protein-like 5	Recq15	287834	1,19	up
5957079	7084500	1089703	RecQ protein-like 5	Recq15	287834	1,13	up
6087124	7084500	1089702	RecQ protein-like 5	Recq15	287834	1,13	up
6077342	7084500	1089696	RecQ protein-like 5	Recq15	287834	1,08	down
6365131	7084500	1089719	RecQ protein-like 5	Recq15	287834	1,08	down
6746915	7084500	1089697	RecQ protein-like 5	Recq15	287834	1,07	up
5637530	7084500	1089714	RecQ protein-like 5	Recq15	287834	1,06	down
6598060	7084500	1089715	RecQ protein-like 5	Recq15	287834	1,06	down
5639443	7084500	1089700	RecQ protein-like 5	Recq15	287834	1,02	down
5779136	7084500	1089699	RecQ protein-like 5	Recq15	287834	1,02	up
5903496	7249809	1496982	reelin	Reln	24718	2,41	down
5890509	7249809	1496980	reelin	Reln	24718	2,21	up
6689398	7249809	1497000	reelin	Reln	24718	2,11	down
6622674	7249809	1496969	reelin	Reln	24718	1,97	up
6199406	7249809	1496967	reelin	Reln	24718	1,96	up
5641440	7249809	1496959	reelin	Reln	24718	1,92	down
6145094	7249809	1496943	reelin	Reln	24718	1,88	down
6615915	7249809	1496986	reelin	Reln	24718	1,84	down
6087110	7249809	1496993	reelin	Reln	24718	1,83	up
6251259	7249809	1496944	reelin	Reln	24718	1,81	up
5931727	7249809	1496980	reelin	Reln	24718	1,61	up
5925148	7249809	1497003	reelin	Reln	24718	1,60	down
5660998	7249809	1496939	reelin	Reln	24718	1,57	down
5933541	7249809	1496960	reelin	Reln	24718	1,54	up
6076563	7249809	1496970	reelin	Reln	24718	1,53	up
6589548	7249809	1496985	reelin	Reln	24718	1,52	up
5768208	7249809	1496963	reelin	Reln	24718	1,52	up
6331759	7249809	1496986	reelin	Reln	24718	1,50	down
6010295	7249809	1496956	reelin	Reln	24718	1,49	down
5960529	7249809	1496966	reelin	Reln	24718	1,32	down
6575241	7249809	1496992	reelin	Reln	24718	1,30	up
6056099	7249809	1496979	reelin	Reln	24718	1,30	down
6713020	7249809	1496964	reelin	Reln	24718	1,26	up
5808022	7249809	1496976	reelin	Reln	24718	1,25	down

5722712	7249809	1497002	reelin	Reln	24718	1,25	up
5865889	7249809	1496994	reelin	Reln	24718	1,23	down
6187925	7249809	1496972	reelin	Reln	24718	1,22	down
6708985	7249809	1496974	reelin	Reln	24718	1,21	up
5839128	7249809	1496949	reelin	Reln	24718	1,21	down
6095144	7249809	1496953	reelin	Reln	24718	1,20	down
6246548	7249809	1496987	reelin	Reln	24718	1,19	up
6232313	7249809	1496993	reelin	Reln	24718	1,19	up
6133053	7249809	1496946	reelin	Reln	24718	1,19	up
6625691	7249809	1496939	reelin	Reln	24718	1,19	down
5830318	7249809	1497002	reelin	Reln	24718	1,18	up
5662449	7249809	1496952	reelin	Reln	24718	1,17	up
5937132	7249809	1496955	reelin	Reln	24718	1,17	up
6095446	7249809	1496982	reelin	Reln	24718	1,17	down
6251819	7249809	1496979	reelin	Reln	24718	1,16	up
5854721	7249809	1496981	reelin	Reln	24718	1,16	down
5985792	7249809	1496999	reelin	Reln	24718	1,16	up
5715684	7249809	1496954	reelin	Reln	24718	1,15	up
6542794	7249809	1496961	reelin	Reln	24718	1,13	up
5924134	7249809	1496984	reelin	Reln	24718	1,13	down
5882016	7249809	1496999	reelin	Reln	24718	1,12	up
6670766	7249809	1496942	reelin	Reln	24718	1,12	down
5728186	7249809	1496957	reelin	Reln	24718	1,12	up
6363850	7249809	1496994	reelin	Reln	24718	1,12	down
6674619	7249809	1496968	reelin	Reln	24718	1,10	up
5903542	7249809	1497001	reelin	Reln	24718	1,10	down
5695739	7249809	1496998	reelin	Reln	24718	1,10	up
6247154	7249809	1496940	reelin	Reln	24718	1,10	up
5691379	7249809	1496977	reelin	Reln	24718	1,09	down
5773029	7249809	1496996	reelin	Reln	24718	1,09	down
6666353	7249809	1496990	reelin	Reln	24718	1,09	down
5713336	7249809	1496978	reelin	Reln	24718	1,09	up
5633478	7249809	1496959	reelin	Reln	24718	1,09	down
6577830	7249809	1496971	reelin	Reln	24718	1,07	up
5972594	7249809	1496947	reelin	Reln	24718	1,06	down
6650291	7249809	1496950	reelin	Reln	24718	1,06	down
6129687	7249809	1496975	reelin	Reln	24718	1,06	up
5870545	7249809	1496958	reelin	Reln	24718	1,06	up
6605274	7249809	1496995	reelin	Reln	24718	1,06	down
6042852	7249809	1496965	reelin	Reln	24718	1,06	up
6468968	7249809	1496941	reelin	Reln	24718	1,06	up
6569798	7249809	1496991	reelin	Reln	24718	1,05	down
6022027	7249809	1497004	reelin	Reln	24718	1,05	up
5935409	7249809	1496988	reelin	Reln	24718	1,05	up
6124072	7249809	1496948	reelin	Reln	24718	1,05	up
6408940	7249809	1496956	reelin	Reln	24718	1,04	up
5756531	7249809	1496976	reelin	Reln	24718	1,03	down
6110320	7249809	1496973	reelin	Reln	24718	1,02	up
5774298	7249809	1496983	reelin	Reln	24718	1,02	up
5884450	7249809	1496992	reelin	Reln	24718	1,02	up
6671444	7249809	1496997	reelin	Reln	24718	1,01	down
6468918	7249809	1496962	reelin	Reln	24718	1,01	up
5704036	7249809	1496989	reelin	Reln	24718	1,01	up
6335116	7249809	1496945	reelin	Reln	24718	1,00	down
5873401	7249809	1496951	reelin	Reln	24718	1,00	up
6047153	7247668	1491734	regulating synaptic membrane exocytosis 4	Rims4	266976	2,26	up
5682558	7247668	1491733	regulating synaptic membrane exocytosis 4	Rims4	266976	1,40	down

5764220	7247668	1491736	regulating synaptic membrane exocytosis 4	Rims4	266976	1,15	up
5705840	7247668	1491735	regulating synaptic membrane exocytosis 4	Rims4	266976	1,12	up
6555134	7247668	1491735	regulating synaptic membrane exocytosis 4	Rims4	266976	1,12	down
5823716	7247668	1491731	regulating synaptic membrane exocytosis 4	Rims4	266976	1,11	down
5912984	7247668	1491734	regulating synaptic membrane exocytosis 4	Rims4	266976	1,10	down
5932481	7247668	1491732	regulating synaptic membrane exocytosis 4	Rims4	266976	1,10	up
5974481	7359874	1769350	regulator of calcineurin 2	Rcan2	140666	3,57	up
6709062	7359874	1769344	regulator of calcineurin 2	Rcan2	140666	1,67	up
5933795	7359874	1769349	regulator of calcineurin 2	Rcan2	140666	1,18	down
5763504	7359874	1769345	regulator of calcineurin 2	Rcan2	140666	1,16	up
6330213	7359874	1769346	regulator of calcineurin 2	Rcan2	140666	1,12	down
6541459	7359874	1769347	regulator of calcineurin 2	Rcan2	140666	1,09	up
5942952	7133349	1209571	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	2,10	up
5885216	7133349	1209565	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,64	up
6075574	7133349	1209566	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,38	up
6267247	7133349	1209569	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,36	up
5752963	7133349	1209576	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,35	down
5820918	7133349	1209564	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,33	down
6314137	7133349	1209568	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,23	up
6573449	7133349	1209577	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,16	down
6281947	7133349	1209575	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,11	down
6020989	7133349	1209567	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,09	up
6693966	7133349	1209574	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,09	down
5645356	7133349	1209572	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,07	up
6281518	7133349	1209570	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,06	up
6005995	7133349	1209567	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,06	down
5661287	7133349	1209573	regulator of chromosome condensation (RCC1) and BTB (POZ) domain containing protein 2	Rcbtb2	290363	1,05	up
5837071	7065860	1045807	regulator of G-protein signaling 11	Rgs11	54291	1,97	down
6429896	7065860	1045806	regulator of G-protein signaling 11	Rgs11	54291	1,02	up
6067996	7127205	1194602	regulator of G-protein signaling 12	Rgs12	54292	2,19	down
5734733	7127205	1194610	regulator of G-protein signaling 12	Rgs12	54292	1,74	down
5776035	7127205	1194612	regulator of G-protein signaling 12	Rgs12	54292	1,64	down
5679996	7127205	1194613	regulator of G-protein signaling 12	Rgs12	54292	1,54	down
6044849	7127205	1194601	regulator of G-protein signaling 12	Rgs12	54292	1,52	up
6199622	7127205	1194611	regulator of G-protein signaling 12	Rgs12	54292	1,37	up
6391650	7127205	1194605	regulator of G-protein signaling 12	Rgs12	54292	1,34	down
6229534	7127205	1194614	regulator of G-protein signaling 12	Rgs12	54292	1,31	up
6712200	7127205	1194606	regulator of G-protein signaling 12	Rgs12	54292	1,23	up
6412479	7127205	1194613	regulator of G-protein signaling 12	Rgs12	54292	1,22	up
5794033	7127205	1194604	regulator of G-protein signaling 12	Rgs12	54292	1,19	down
6646141	7127205	1194608	regulator of G-protein signaling 12	Rgs12	54292	1,19	up
6715592	7127205	1194609	regulator of G-protein signaling 12	Rgs12	54292	1,19	down
6573866	7127205	1194598	regulator of G-protein signaling 12	Rgs12	54292	1,19	up
5797920	7127205	1194600	regulator of G-protein signaling 12	Rgs12	54292	1,18	up
6452987	7127205	1194598	regulator of G-protein signaling 12	Rgs12	54292	1,17	down
6197370	7127205	1194598	regulator of G-protein signaling 12	Rgs12	54292	1,13	down
6370028	7127205	1194597	regulator of G-protein signaling 12	Rgs12	54292	1,11	up
5915512	7127205	1194611	regulator of G-protein signaling 12	Rgs12	54292	1,09	up
5669004	7127205	1194604	regulator of G-protein signaling 12	Rgs12	54292	1,06	down
6427090	7127205	1194613	regulator of G-protein signaling 12	Rgs12	54292	1,05	down
6022481	7127205	1194603	regulator of G-protein signaling 12	Rgs12	54292	1,02	up
5989191	7127205	1194599	regulator of G-protein signaling 12	Rgs12	54292	1,01	down
6204479	7127205	1194607	regulator of G-protein signaling 12	Rgs12	54292	1,00	up
5669604	7106414	1143197	regulator of G-protein signaling 16	Rgs16	360857	1,37	down
6506011	7106414	1143196	regulator of G-protein signaling 16	Rgs16	360857	1,26	down
5920927	7106414	1143194	regulator of G-protein signaling 16	Rgs16	360857	1,06	down
5826834	7106414	1143195	regulator of G-protein signaling 16	Rgs16	360857	1,01	up

6356367	7249028	1495098	regulator of G-protein signaling 19	Rgs19	59293	3,21	down
6538008	7249028	1495097	regulator of G-protein signaling 19	Rgs19	59293	1,46	down
5712511	7249028	1495099	regulator of G-protein signaling 19	Rgs19	59293	1,46	down
5935110	7249028	1495100	regulator of G-protein signaling 19	Rgs19	59293	1,43	up
5731720	7249028	1495094	regulator of G-protein signaling 19	Rgs19	59293	1,42	up
6201256	7249028	1495099	regulator of G-protein signaling 19	Rgs19	59293	1,21	down
6427277	7249028	1495096	regulator of G-protein signaling 19	Rgs19	59293	1,16	down
5923984	7249028	1495095	regulator of G-protein signaling 19	Rgs19	59293	1,01	down
6362765	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	2,86	up
6447194	7275761	1561881	regulator of G-protein signaling 3	Rgs3	54293	2,03	down
6191443	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	2,02	up
6105035	7275761	1561891	regulator of G-protein signaling 3	Rgs3	54293	1,95	down
5683944	7275761	1561893	regulator of G-protein signaling 3	Rgs3	54293	1,90	down
6289427	7275761	1561875	regulator of G-protein signaling 3	Rgs3	54293	1,90	up
6057119	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,72	up
6291474	7275761	1561886	regulator of G-protein signaling 3	Rgs3	54293	1,71	up
6522651	7275761	1561879	regulator of G-protein signaling 3	Rgs3	54293	1,70	down
5849142	7275761	1561887	regulator of G-protein signaling 3	Rgs3	54293	1,69	up
6379795	7275761	1561884	regulator of G-protein signaling 3	Rgs3	54293	1,60	down
6729281	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,56	up
6188673	7275761	1561877	regulator of G-protein signaling 3	Rgs3	54293	1,50	down
6203049	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,49	up
6419024	7275761	1561890	regulator of G-protein signaling 3	Rgs3	54293	1,44	up
6520275	7275761	1561889	regulator of G-protein signaling 3	Rgs3	54293	1,31	up
6276111	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,30	up
6328354	7275761	1561892	regulator of G-protein signaling 3	Rgs3	54293	1,29	down
6591916	7275761	1561875	regulator of G-protein signaling 3	Rgs3	54293	1,26	down
5703597	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,23	up
6013919	7275761	1561886	regulator of G-protein signaling 3	Rgs3	54293	1,21	up
5731877	7275761	1561894	regulator of G-protein signaling 3	Rgs3	54293	1,15	down
6170589	7275761	1561878	regulator of G-protein signaling 3	Rgs3	54293	1,13	down
6708403	7275761	1561876	regulator of G-protein signaling 3	Rgs3	54293	1,13	down
6282025	7275761	1561884	regulator of G-protein signaling 3	Rgs3	54293	1,12	up
6101203	7275761	1561880	regulator of G-protein signaling 3	Rgs3	54293	1,09	down
6041174	7275761	1561882	regulator of G-protein signaling 3	Rgs3	54293	1,08	down
6102795	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,05	down
6235942	7275761	1561888	regulator of G-protein signaling 3	Rgs3	54293	1,04	up
6455098	7275761	1561883	regulator of G-protein signaling 3	Rgs3	54293	1,00	up
6093703	7184151	1335956	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	2,13	up
5728008	7184151	1335969	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,82	down
5928007	7184151	1335954	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,72	down
5996848	7184151	1335958	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,59	up
6566308	7184151	1335950	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,52	up
6331968	7184151	1335959	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,44	down
6407775	7184151	1335947	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,38	up
5986170	7184151	1335976	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,36	down
5979700	7184151	1335947	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,35	up
5681945	7184151	1335970	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,29	down
6578347	7184151	1335947	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,26	down
6331875	7184151	1335948	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,21	up
6075685	7184151	1335949	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,20	up
5650103	7184151	1335947	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,18	up
5690373	7184151	1335965	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,18	up
6312574	7184151	1335981	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,17	up
6367488	7184151	1335976	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,16	down
6193637	7184151	1335963	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,16	down
6432542	7184151	1335957	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,15	up

5735275	7184151	1335961	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,15	up
6059234	7184151	1335961	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,13	up
6473937	7184151	1335968	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,13	down
6459683	7184151	1335971	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,12	down
6356428	7184151	1335962	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,10	up
5989522	7184151	1335968	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,08	down
6562341	7184151	1335955	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,04	up
5679545	7184151	1335955	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,03	down
6697873	7184151	1335951	regulatory factor X, 1 (influences HLA class II expression)	Rfx1	288906	1,01	up
5779552	7056205	1023169	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	2,67	down
6273015	7056205	1023172	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	2,53	down
5954222	7056205	1023172	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	2,22	down
6391473	7056205	1023171	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	1,37	up
6631053	7056205	1023167	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	1,36	up
6163945	7056205	1023168	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	1,33	up
5977250	7056205	1023166	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	1,09	up
6619929	7056205	1023170	related RAS viral (r-ras) oncogene homolog 2	Rras2	365355	1,08	up
5878803	7034356	972176	remodeling and spacing factor 1	Rsf1	308839	1,16	up
6699119	7034356	972176	remodeling and spacing factor 1	Rsf1	308839	1,10	down
6545938	7384985	1831796	renin binding protein	Renbp	81759	2,16	down
5954295	7384985	1831799	renin binding protein	Renbp	81759	2,06	down
6482631	7384985	1831796	renin binding protein	Renbp	81759	1,97	down
5796123	7384985	1831803	renin binding protein	Renbp	81759	1,78	up
6249976	7384985	1831797	renin binding protein	Renbp	81759	1,77	up
6164097	7384985	1831802	renin binding protein	Renbp	81759	1,62	up
5997295	7384985	1831805	renin binding protein	Renbp	81759	1,49	up
6078741	7384985	1831797	renin binding protein	Renbp	81759	1,49	down
5958006	7384985	1831804	renin binding protein	Renbp	81759	1,26	down
6208225	7384985	1831802	renin binding protein	Renbp	81759	1,24	down
6348878	7384985	1831798	renin binding protein	Renbp	81759	1,23	down
6466173	7384985	1831800	renin binding protein	Renbp	81759	1,10	up
6566633	7384985	1831801	renin binding protein	Renbp	81759	1,03	down
6280955	7384985	1831804	renin binding protein	Renbp	81759	1,01	up
6182053	7055687	1022021	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	687147	1,33	down
6210071	7055687	1022019	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	687147	1,21	up
6232355	7055687	1022016	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	687147	1,14	up
6711118	7055687	1022017	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	687147	1,13	down
5637176	7055687	1022019	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	687147	1,09	down
6062485	7055687	1022018	resistance to inhibitors of cholinesterase 3 homolog (C. elegans)	Ric3	687147	1,03	down
6231657	7039366	984069	REST corepressor 2	Rcor2	305811	2,12	down
6634493	7039366	984060	REST corepressor 2	Rcor2	305811	1,77	up
6568288	7039366	984059	REST corepressor 2	Rcor2	305811	1,66	down
6008305	7039366	984068	REST corepressor 2	Rcor2	305811	1,58	down
6316049	7039366	984067	REST corepressor 2	Rcor2	305811	1,45	down
6064051	7039366	984065	REST corepressor 2	Rcor2	305811	1,38	up
6706913	7039366	984069	REST corepressor 2	Rcor2	305811	1,27	down
6395958	7039366	984069	REST corepressor 2	Rcor2	305811	1,24	up
6313535	7039366	984066	REST corepressor 2	Rcor2	305811	1,21	down
5944315	7039366	984062	REST corepressor 2	Rcor2	305811	1,10	up
5947604	7039366	984064	REST corepressor 2	Rcor2	305811	1,10	up
5706883	7039366	984069	REST corepressor 2	Rcor2	305811	1,05	up
6285688	7039366	984058	REST corepressor 2	Rcor2	305811	1,05	up
5877375	7039366	984061	REST corepressor 2	Rcor2	305811	1,02	up
5819497	7039366	984063	REST corepressor 2	Rcor2	305811	1,01	down
5690770	7039366	984069	REST corepressor 2	Rcor2	305811	1,00	down
5906561	7219885	1422784	reticulin 4 interacting protein 1	Rtn4ip1	309912	2,11	up
5645819	7219885	1422778	reticulin 4 interacting protein 1	Rtn4ip1	309912	1,58	up

5640311	7219885	1422782	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,27	down
6346043	7219885	1422774	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,21	down
6004497	7219885	1422784	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,21	up
6693674	7219885	1422774	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,20	down
6520447	7219885	1422777	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,20	up
6593200	7219885	1422774	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,12	down
6624909	7219885	1422781	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,10	up
6511817	7219885	1422790	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,08	up
6519956	7219885	1422775	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,05	up
6435382	7219885	1422790	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,03	up
6230076	7219885	1422776	reticulon 4 interacting protein 1	Rtn4ip1	309912	1,01	up
6199101	7131372	1205046	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	2,19	up
6581751	7131372	1205054	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,96	up
5756864	7131372	1205019	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,66	up
5781000	7131372	1205048	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,65	up
5724208	7131372	1205054	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,42	up
6742162	7131372	1205024	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,32	up
6376370	7131372	1205053	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,27	up
5778576	7131372	1205033	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,24	down
6172349	7131372	1205054	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,22	down
6046642	7131372	1205054	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,18	up
6581032	7131372	1205042	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,18	down
6434310	7131372	1205045	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,17	up
5701210	7131372	1205047	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,17	up
6714250	7131372	1205050	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,16	up
6361479	7131372	1205036	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,14	down
6530384	7131372	1205037	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,13	down
6031552	7131372	1205020	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,12	up
6605555	7131372	1205052	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,11	up
6130961	7131372	1205023	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,11	up
6052262	7131372	1205034	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,10	down
6213756	7131372	1205030	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,10	up
6198318	7131372	1205022	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,09	down
6018861	7131372	1205054	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,08	up
6191865	7131372	1205051	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,07	down
6484761	7131372	1205037	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,05	up
5770143	7131372	1205047	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,04	down
5807909	7131372	1205045	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,03	up
6181985	7131372	1205043	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,02	down
6313830	7131372	1205018	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,02	up
6102146	7131372	1205041	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,02	up
6684367	7131372	1205032	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,01	down
6585818	7131372	1205031	retinitis pigmentosa GTPase regulator interacting protein 1	Rpgrip1	305850	1,00	down
5789222	7167872	1294038	retinoblastoma binding protein 8	Rbbp8	291787	2,39	down
6049184	7167872	1294039	retinoblastoma binding protein 8	Rbbp8	291787	2,19	down
5658815	7167872	1294034	retinoblastoma binding protein 8	Rbbp8	291787	1,74	down
6539778	7167872	1294022	retinoblastoma binding protein 8	Rbbp8	291787	1,73	up
6620406	7167872	1294025	retinoblastoma binding protein 8	Rbbp8	291787	1,37	up
6676006	7167872	1294035	retinoblastoma binding protein 8	Rbbp8	291787	1,35	up
6578714	7167872	1294019	retinoblastoma binding protein 8	Rbbp8	291787	1,35	up
5949364	7167872	1294032	retinoblastoma binding protein 8	Rbbp8	291787	1,33	up
5691538	7167872	1294028	retinoblastoma binding protein 8	Rbbp8	291787	1,29	down
6674045	7167872	1294023	retinoblastoma binding protein 8	Rbbp8	291787	1,27	down
6566550	7167872	1294021	retinoblastoma binding protein 8	Rbbp8	291787	1,26	down
5682416	7167872	1294030	retinoblastoma binding protein 8	Rbbp8	291787	1,25	down
5850120	7167872	1294026	retinoblastoma binding protein 8	Rbbp8	291787	1,17	up
6123685	7167872	1294031	retinoblastoma binding protein 8	Rbbp8	291787	1,15	up

5672854	7167872	1294024	retinoblastoma binding protein 8	Rbbp8	291787	1,15	up
6385556	7167872	1294020	retinoblastoma binding protein 8	Rbbp8	291787	1,13	down
5659916	7167872	1294029	retinoblastoma binding protein 8	Rbbp8	291787	1,06	up
6355509	7167872	1294033	retinoblastoma binding protein 8	Rbbp8	291787	1,06	up
5920424	7167872	1294029	retinoblastoma binding protein 8	Rbbp8	291787	1,02	down
6251013	7183304	1334000	retinoblastoma-like 2	Rbl2	81758	2,25	up
6336409	7183304	1333999	retinoblastoma-like 2	Rbl2	81758	2,01	up
5847840	7183304	1334013	retinoblastoma-like 2	Rbl2	81758	1,78	up
6101806	7183304	1334011	retinoblastoma-like 2	Rbl2	81758	1,74	up
6295897	7183304	1334018	retinoblastoma-like 2	Rbl2	81758	1,70	up
6390309	7183304	1334021	retinoblastoma-like 2	Rbl2	81758	1,60	up
6240106	7183304	1334015	retinoblastoma-like 2	Rbl2	81758	1,59	up
6678380	7183304	1334010	retinoblastoma-like 2	Rbl2	81758	1,55	up
5844375	7183304	1334012	retinoblastoma-like 2	Rbl2	81758	1,47	down
6711880	7183304	1334020	retinoblastoma-like 2	Rbl2	81758	1,47	up
6510323	7183304	1334021	retinoblastoma-like 2	Rbl2	81758	1,29	up
6511735	7183304	1334005	retinoblastoma-like 2	Rbl2	81758	1,26	down
6513227	7183304	1334012	retinoblastoma-like 2	Rbl2	81758	1,24	down
6746053	7183304	1334002	retinoblastoma-like 2	Rbl2	81758	1,24	down
6097597	7183304	1334006	retinoblastoma-like 2	Rbl2	81758	1,22	down
6012824	7183304	1334009	retinoblastoma-like 2	Rbl2	81758	1,20	down
6604438	7183304	1333998	retinoblastoma-like 2	Rbl2	81758	1,19	up
6089860	7183304	1334001	retinoblastoma-like 2	Rbl2	81758	1,19	down
6556675	7183304	1334019	retinoblastoma-like 2	Rbl2	81758	1,16	up
6587455	7183304	1334001	retinoblastoma-like 2	Rbl2	81758	1,14	up
6360304	7183304	1334011	retinoblastoma-like 2	Rbl2	81758	1,13	down
6664234	7183304	1334014	retinoblastoma-like 2	Rbl2	81758	1,13	up
6128321	7183304	1334016	retinoblastoma-like 2	Rbl2	81758	1,13	down
6428957	7183304	1334008	retinoblastoma-like 2	Rbl2	81758	1,11	down
6733164	7183304	1334007	retinoblastoma-like 2	Rbl2	81758	1,08	down
6357103	7183304	1334017	retinoblastoma-like 2	Rbl2	81758	1,05	up
6358695	7183304	1334003	retinoblastoma-like 2	Rbl2	81758	1,03	up
6067456	7183304	1334004	retinoblastoma-like 2	Rbl2	81758	1,02	up
6245833	7205006	1387358	retinoic acid induced 14	Rai14	294804	2,19	up
5684512	7205006	1387352	retinoic acid induced 14	Rai14	294804	2,12	down
6341818	7205006	1387348	retinoic acid induced 14	Rai14	294804	1,65	down
6030427	7205006	1387355	retinoic acid induced 14	Rai14	294804	1,57	up
6519477	7205006	1387357	retinoic acid induced 14	Rai14	294804	1,55	up
6122471	7205006	1387351	retinoic acid induced 14	Rai14	294804	1,52	up
6427621	7205006	1387360	retinoic acid induced 14	Rai14	294804	1,51	down
5668713	7205006	1387347	retinoic acid induced 14	Rai14	294804	1,48	down
6679124	7205006	1387353	retinoic acid induced 14	Rai14	294804	1,40	up
5704026	7205006	1387354	retinoic acid induced 14	Rai14	294804	1,33	up
6059889	7205006	1387344	retinoic acid induced 14	Rai14	294804	1,19	up
6289763	7205006	1387356	retinoic acid induced 14	Rai14	294804	1,16	up
6060351	7205006	1387346	retinoic acid induced 14	Rai14	294804	1,07	down
5811570	7205006	1387350	retinoic acid induced 14	Rai14	294804	1,04	down
6401517	7205006	1387349	retinoic acid induced 14	Rai14	294804	1,02	up
6074275	7205006	1387359	retinoic acid induced 14	Rai14	294804	1,02	down
6439942	7205006	1387361	retinoic acid induced 14	Rai14	294804	1,02	up
6537493	7205006	1387360	retinoic acid induced 14	Rai14	294804	1,01	down
6139932	7205006	1387345	retinoic acid induced 14	Rai14	294804	1,01	up
6690634	7332128	1700852	retinoic acid receptor, gamma	Rarg	685072	2,44	up
6000322	7332128	1700851	retinoic acid receptor, gamma	Rarg	685072	1,79	down
6198339	7332128	1700844	retinoic acid receptor, gamma	Rarg	685072	1,59	down
5845057	7332128	1700852	retinoic acid receptor, gamma	Rarg	685072	1,47	up
6355944	7332128	1700845	retinoic acid receptor, gamma	Rarg	685072	1,36	down

6529423	7332128	1700842	retinoic acid receptor, gamma	Rarg	685072	1,35	up
6290148	7332128	1700855	retinoic acid receptor, gamma	Rarg	685072	1,35	up
5935057	7332128	1700847	retinoic acid receptor, gamma	Rarg	685072	1,22	up
5804866	7332128	1700845	retinoic acid receptor, gamma	Rarg	685072	1,22	up
6388430	7332128	1700842	retinoic acid receptor, gamma	Rarg	685072	1,21	up
6323174	7332128	1700852	retinoic acid receptor, gamma	Rarg	685072	1,21	down
6582615	7332128	1700843	retinoic acid receptor, gamma	Rarg	685072	1,11	down
5695251	7332128	1700848	retinoic acid receptor, gamma	Rarg	685072	1,10	up
6356947	7332128	1700845	retinoic acid receptor, gamma	Rarg	685072	1,09	up
6526387	7332128	1700842	retinoic acid receptor, gamma	Rarg	685072	1,08	down
6180666	7332128	1700854	retinoic acid receptor, gamma	Rarg	685072	1,05	up
5744734	7332128	1700852	retinoic acid receptor, gamma	Rarg	685072	1,04	down
5834623	7332128	1700846	retinoic acid receptor, gamma	Rarg	685072	1,04	up
6477790	7332128	1700855	retinoic acid receptor, gamma	Rarg	685072	1,03	down
6158828	7315935	1661991	retinol dehydrogenase 2	Rdh2	299511	2,23	up
6118065	7315935	1661996	retinol dehydrogenase 2	Rdh2	299511	1,71	up
6002769	7315935	1661991	retinol dehydrogenase 2	Rdh2	299511	1,63	up
6229072	7315935	1661991	retinol dehydrogenase 2	Rdh2	299511	1,52	down
5785457	7315935	1661993	retinol dehydrogenase 2	Rdh2	299511	1,32	down
5700339	7315935	1661995	retinol dehydrogenase 2	Rdh2	299511	1,20	down
6586059	7315935	1661994	retinol dehydrogenase 2	Rdh2	299511	1,15	up
6671973	7315935	1661991	retinol dehydrogenase 2	Rdh2	299511	1,03	down
5697540	7326322	1686612	retinol dehydrogenase 7	Rdh7	360420	4,98	down
6358764	7326322	1686609	retinol dehydrogenase 7	Rdh7	360420	1,97	down
6045396	7326322	1686613	retinol dehydrogenase 7	Rdh7	360420	1,86	down
6745623	7326322	1686610	retinol dehydrogenase 7	Rdh7	360420	1,68	up
5798478	7326322	1686609	retinol dehydrogenase 7	Rdh7	360420	1,57	up
5862623	7326322	1686608	retinol dehydrogenase 7	Rdh7	360420	1,55	up
6221213	7326322	1686608	retinol dehydrogenase 7	Rdh7	360420	1,54	up
5680856	7326322	1686613	retinol dehydrogenase 7	Rdh7	360420	1,53	down
6224637	7326322	1686608	retinol dehydrogenase 7	Rdh7	360420	1,47	up
6306431	7326322	1686609	retinol dehydrogenase 7	Rdh7	360420	1,35	up
6514641	7326322	1686611	retinol dehydrogenase 7	Rdh7	360420	1,04	up
6576579	7219624	1422136	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,75	down
5798323	7219624	1422122	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,43	down
6572094	7219624	1422140	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,43	up
6519368	7219624	1422110	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,42	up
6410668	7219624	1422131	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,42	down
6261514	7219624	1422115	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,39	up
5987324	7219624	1422111	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,38	down
6521473	7219624	1422123	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,36	down
6392351	7219624	1422122	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,31	up
6404502	7219624	1422114	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,28	down
6013686	7219624	1422118	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,27	up
5777995	7219624	1422133	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,26	up
5813324	7219624	1422122	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,24	up
6720492	7219624	1422132	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,24	down
5645646	7219624	1422121	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,22	up
6471707	7219624	1422108	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,21	down
5800721	7219624	1422129	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,21	up
6210984	7219624	1422122	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,20	down
5981799	7219624	1422100	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,19	up
5822550	7219624	1422143	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,18	down
6152686	7219624	1422112	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,18	up
6018702	7219624	1422135	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,18	down
6490834	7219624	1422120	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,15	down
6653413	7219624	1422116	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,15	up

5969673	7219624	1422127	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,13	down
5781827	7219624	1422139	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,13	up
6488890	7219624	1422138	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,10	down
6125016	7219624	1422119	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,08	down
6655705	7219624	1422122	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,07	down
6441150	7219624	1422116	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,07	up
5744029	7219624	1422122	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,06	up
6236973	7219624	1422124	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,05	up
5979710	7219624	1422113	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,04	down
6347119	7219624	1422126	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,04	up
6487738	7219624	1422130	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,03	down
6340049	7219624	1422140	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,02	up
5943971	7219624	1422143	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,00	up
5697093	7219624	1422141	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,00	up
6282320	7219624	1422125	REV3-like, catalytic subunit of DNA polymerase zeta (yeast)	Rev3l	309812	1,00	down
6175764	7274585	1558778	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	2,21	up
6211303	7274585	1558763	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,63	down
6581468	7274585	1558796	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,60	down
5816464	7274585	1558783	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,46	up
5860755	7274585	1558786	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,43	down
5723584	7274585	1558794	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,42	down
5769676	7274585	1558771	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,34	down
6592301	7274585	1558797	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,23	up
5651450	7274585	1558781	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,23	down
6711928	7274585	1558776	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,21	up
6439590	7274585	1558785	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,20	down
6708113	7274585	1558791	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,20	up
6280205	7274585	1558793	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,18	up
6357452	7274585	1558768	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,17	up
5846257	7274585	1558788	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,16	up
6104432	7274585	1558782	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,13	up
6047062	7274585	1558787	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,10	up
5702115	7274585	1558782	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,08	down
6204305	7274585	1558774	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,06	down
6221250	7274585	1558792	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,06	down
6631399	7274585	1558784	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,04	down
6665913	7274585	1558797	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,04	down
6582768	7274585	1558772	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,01	up
6159369	7274585	1558797	reversion-inducing-cysteine-rich protein with kazal motifs	Reck	313488	1,01	up
6445008	7313064	1654511	RGD1561305	RGD1561305	500808	2,21	up
6038454	7315571	1660969	RGD1561648	RGD1561648	500841	2,47	down
6550404	7315571	1661009	RGD1561648	RGD1561648	500841	2,30	up
6539160	7315571	1661009	RGD1561648	RGD1561648	500841	2,29	up
5671926	7315571	1661006	RGD1561648	RGD1561648	500841	2,11	up
6553350	7315571	1660973	RGD1561648	RGD1561648	500841	2,08	down
6318127	7315571	1660999	RGD1561648	RGD1561648	500841	1,67	down
6221077	7315571	1660974	RGD1561648	RGD1561648	500841	1,63	down
6628056	7315571	1660974	RGD1561648	RGD1561648	500841	1,61	down
5744566	7315571	1660974	RGD1561648	RGD1561648	500841	1,49	down
5957243	7315571	1661008	RGD1561648	RGD1561648	500841	1,45	up
6277016	7315571	1661002	RGD1561648	RGD1561648	500841	1,44	down
5822454	7315571	1661004	RGD1561648	RGD1561648	500841	1,40	down
6519934	7315571	1660967	RGD1561648	RGD1561648	500841	1,32	up
6583701	7315571	1661001	RGD1561648	RGD1561648	500841	1,22	down
5738746	7315571	1660997	RGD1561648	RGD1561648	500841	1,21	down
6283641	7315571	1661007	RGD1561648	RGD1561648	500841	1,18	down
5636843	7065273	1044605	RGD1561796	RGD1561796	360483	2,24	down

5747156	7065273	1044603	RGD1561796	RGD1561796	360483	1,10	up
6368434	7065273	1044607	RGD1561796	RGD1561796	360483	1,04	down
6214823	7065273	1044605	RGD1561796	RGD1561796	360483	1,03	down
6505113	7065273	1044605	RGD1561796	RGD1561796	360483	1,03	up
6746406	7065273	1044606	RGD1561796	RGD1561796	360483	1,03	down
6113176	7156114	1266049	RGD1562097	RGD1562097	498718	1,49	down
5644349	7156114	1266045	RGD1562097	RGD1562097	498718	1,37	up
5620823	7156114	1266048	RGD1562097	RGD1562097	498718	1,02	down
6058193	7156114	1266048	RGD1562097	RGD1562097	498718	1,01	up
6026957	7279073	1570685	RGD1563049	RGD1563049	298493	1,70	up
5813090	7279073	1570686	RGD1563049	RGD1563049	298493	1,15	down
6727401	7279073	1570687	RGD1563049	RGD1563049	298493	1,08	up
6171778	7341646	1724201	RGD1563398	RGD1563398	301075	1,68	down
5720223	7341646	1724196	RGD1563398	RGD1563398	301075	1,58	down
5990661	7341646	1724194	RGD1563398	RGD1563398	301075	1,51	down
5751319	7341646	1724199	RGD1563398	RGD1563398	301075	1,48	up
5755296	7341646	1724214	RGD1563398	RGD1563398	301075	1,36	up
6617441	7341646	1724213	RGD1563398	RGD1563398	301075	1,30	up
6021436	7341646	1724192	RGD1563398	RGD1563398	301075	1,30	up
5960648	7341646	1724205	RGD1563398	RGD1563398	301075	1,28	up
6127248	7341646	1724203	RGD1563398	RGD1563398	301075	1,25	down
5723037	7341646	1724195	RGD1563398	RGD1563398	301075	1,19	down
5755547	7341646	1724209	RGD1563398	RGD1563398	301075	1,14	up
5672211	7341646	1724212	RGD1563398	RGD1563398	301075	1,14	down
6474954	7341646	1724215	RGD1563398	RGD1563398	301075	1,13	up
6032766	7341646	1724194	RGD1563398	RGD1563398	301075	1,12	up
5785689	7341646	1724213	RGD1563398	RGD1563398	301075	1,09	down
6098312	7341646	1724193	RGD1563398	RGD1563398	301075	1,06	down
5962320	7341646	1724200	RGD1563398	RGD1563398	301075	1,05	up
6083013	7341646	1724215	RGD1563398	RGD1563398	301075	1,04	down
5662137	7341646	1724208	RGD1563398	RGD1563398	301075	1,02	up
6021198	7341646	1724204	RGD1563398	RGD1563398	301075	1,02	up
5770364	7341646	1724215	RGD1563398	RGD1563398	301075	1,02	down
6729631	7341646	1724214	RGD1563398	RGD1563398	301075	1,01	up
6493215	7341646	1724207	RGD1563398	RGD1563398	301075	1,01	down
6345170	7341646	1724212	RGD1563398	RGD1563398	301075	1,00	down
5968178	7211690	1402646	RGD1565469	RGD1565469	502584	2,31	down
6244722	7211690	1402643	RGD1565469	RGD1565469	502584	1,54	up
5833069	7211690	1402642	RGD1565469	RGD1565469	502584	1,26	down
6061165	7211690	1402645	RGD1565469	RGD1565469	502584	1,07	up
5795011	7211690	1402644	RGD1565469	RGD1565469	502584	1,07	up
5645355	7211690	1402642	RGD1565469	RGD1565469	502584	1,02	up
6217219	7211690	1402642	RGD1565469	RGD1565469	502584	1,01	up
6480035	7211690	1402642	RGD1565469	RGD1565469	502584	1,01	up
6572604	7211690	1402643	RGD1565469	RGD1565469	502584	1,01	up
6297735	7216807	1414701	RGD1566118	RGD1566118	361797	2,42	up
5748377	7216807	1414702	RGD1566118	RGD1566118	361797	1,18	down
6373017	7216807	1414696	RGD1566118	RGD1566118	361797	1,17	down
6638966	7216807	1414697	RGD1566118	RGD1566118	361797	1,15	up
6127418	7216807	1414695	RGD1566118	RGD1566118	361797	1,08	down
6688053	7216807	1414698	RGD1566118	RGD1566118	361797	1,07	up
6643788	7072329	1061632	Rho family GTPase 2	Rnd2	303553	2,39	down
5693629	7072329	1061634	Rho family GTPase 2	Rnd2	303553	2,29	down
6050590	7072329	1061637	Rho family GTPase 2	Rnd2	303553	1,21	up
6082009	7072329	1061632	Rho family GTPase 2	Rnd2	303553	1,15	down
6334223	7072329	1061633	Rho family GTPase 2	Rnd2	303553	1,12	down
5722334	7072329	1061635	Rho family GTPase 2	Rnd2	303553	1,05	up

5881416	7072329	1061636	Rho family GTPase 2	Rnd2	303553	1,02	down
6745497	7075791	1069999	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	2,10	down
6006772	7075791	1070004	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,68	up
5746119	7075791	1070002	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,26	up
6052708	7075791	1070001	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,16	down
6241384	7075791	1070000	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,16	down
5814728	7075791	1070005	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,11	up
5969845	7075791	1070000	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,09	down
5672503	7075791	1070003	Rho GDP dissociation inhibitor (GDI) gamma	Arhgdig	360500	1,05	up
6044734	7158517	1271597	Rho GTPase activating protein 12	Arhgap12	307016	1,50	up
6061530	7158517	1271570	Rho GTPase activating protein 12	Arhgap12	307016	1,47	down
5933555	7158517	1271588	Rho GTPase activating protein 12	Arhgap12	307016	1,36	up
5626002	7158517	1271576	Rho GTPase activating protein 12	Arhgap12	307016	1,34	up
6085808	7158517	1271577	Rho GTPase activating protein 12	Arhgap12	307016	1,29	up
6242419	7158517	1271595	Rho GTPase activating protein 12	Arhgap12	307016	1,25	down
6179532	7158517	1271590	Rho GTPase activating protein 12	Arhgap12	307016	1,24	down
6106855	7158517	1271577	Rho GTPase activating protein 12	Arhgap12	307016	1,24	up
5695279	7158517	1271584	Rho GTPase activating protein 12	Arhgap12	307016	1,23	down
5861247	7158517	1271577	Rho GTPase activating protein 12	Arhgap12	307016	1,17	down
6640695	7158517	1271571	Rho GTPase activating protein 12	Arhgap12	307016	1,15	down
5727074	7158517	1271591	Rho GTPase activating protein 12	Arhgap12	307016	1,15	up
6141869	7158517	1271594	Rho GTPase activating protein 12	Arhgap12	307016	1,13	up
5919232	7158517	1271569	Rho GTPase activating protein 12	Arhgap12	307016	1,12	down
6123349	7158517	1271578	Rho GTPase activating protein 12	Arhgap12	307016	1,11	down
5688142	7158517	1271587	Rho GTPase activating protein 12	Arhgap12	307016	1,10	down
6001674	7158517	1271581	Rho GTPase activating protein 12	Arhgap12	307016	1,09	down
6677231	7158517	1271571	Rho GTPase activating protein 12	Arhgap12	307016	1,09	down
6340675	7158517	1271597	Rho GTPase activating protein 12	Arhgap12	307016	1,07	down
6147783	7158517	1271582	Rho GTPase activating protein 12	Arhgap12	307016	1,06	up
5649803	7158517	1271579	Rho GTPase activating protein 12	Arhgap12	307016	1,05	up
6223271	7158517	1271594	Rho GTPase activating protein 12	Arhgap12	307016	1,04	up
6268336	7158517	1271575	Rho GTPase activating protein 12	Arhgap12	307016	1,03	up
6657335	7158517	1271589	Rho GTPase activating protein 12	Arhgap12	307016	1,02	down
5798209	7158517	1271598	Rho GTPase activating protein 12	Arhgap12	307016	1,01	down
6466358	7056985	1024889	Rho GTPase activating protein 17	Arhgap17	63994	2,16	up
5659217	7056985	1024876	Rho GTPase activating protein 17	Arhgap17	63994	1,64	down
5843733	7056985	1024887	Rho GTPase activating protein 17	Arhgap17	63994	1,63	down
5664856	7056985	1024878	Rho GTPase activating protein 17	Arhgap17	63994	1,38	down
5651926	7056985	1024886	Rho GTPase activating protein 17	Arhgap17	63994	1,30	up
6534990	7056985	1024892	Rho GTPase activating protein 17	Arhgap17	63994	1,28	up
6465718	7056985	1024881	Rho GTPase activating protein 17	Arhgap17	63994	1,24	up
5836337	7056985	1024893	Rho GTPase activating protein 17	Arhgap17	63994	1,23	down
6562801	7056985	1024890	Rho GTPase activating protein 17	Arhgap17	63994	1,21	up
6138545	7056985	1024880	Rho GTPase activating protein 17	Arhgap17	63994	1,17	up
6671752	7056985	1024884	Rho GTPase activating protein 17	Arhgap17	63994	1,16	up
6623276	7056985	1024891	Rho GTPase activating protein 17	Arhgap17	63994	1,14	up
5887748	7056985	1024885	Rho GTPase activating protein 17	Arhgap17	63994	1,11	up
6405817	7056985	1024879	Rho GTPase activating protein 17	Arhgap17	63994	1,09	up
6012346	7056985	1024883	Rho GTPase activating protein 17	Arhgap17	63994	1,08	up
6695306	7056985	1024894	Rho GTPase activating protein 17	Arhgap17	63994	1,07	down
5791785	7056985	1024882	Rho GTPase activating protein 17	Arhgap17	63994	1,06	down
6192716	7056985	1024875	Rho GTPase activating protein 17	Arhgap17	63994	1,06	up
6615672	7056985	1024874	Rho GTPase activating protein 17	Arhgap17	63994	1,04	down
6326889	7056985	1024877	Rho GTPase activating protein 17	Arhgap17	63994	1,01	down
6497004	7056985	1024888	Rho GTPase activating protein 17	Arhgap17	63994	1,00	up
6662172	7336118	1709921	Rho GTPase activating protein 20	Arhgap20	367085	2,49	down
6569389	7336118	1709930	Rho GTPase activating protein 20	Arhgap20	367085	1,88	up

6726394	7336118	1709929	Rho GTPase activating protein 20	Arhgap20	367085	1,58	up
5947338	7336118	1709922	Rho GTPase activating protein 20	Arhgap20	367085	1,56	down
6278701	7336118	1709935	Rho GTPase activating protein 20	Arhgap20	367085	1,55	up
5652001	7336118	1709935	Rho GTPase activating protein 20	Arhgap20	367085	1,40	up
5716269	7336118	1709935	Rho GTPase activating protein 20	Arhgap20	367085	1,30	down
6740473	7336118	1709921	Rho GTPase activating protein 20	Arhgap20	367085	1,16	up
5777387	7336118	1709925	Rho GTPase activating protein 20	Arhgap20	367085	1,13	down
6480999	7336118	1709933	Rho GTPase activating protein 20	Arhgap20	367085	1,12	up
6078352	7336118	1709927	Rho GTPase activating protein 20	Arhgap20	367085	1,10	down
5630352	7336118	1709926	Rho GTPase activating protein 20	Arhgap20	367085	1,09	down
6196684	7336118	1709932	Rho GTPase activating protein 20	Arhgap20	367085	1,07	up
5695707	7336118	1709923	Rho GTPase activating protein 20	Arhgap20	367085	1,06	up
6301296	7336118	1709931	Rho GTPase activating protein 20	Arhgap20	367085	1,05	up
6570437	7336118	1709935	Rho GTPase activating protein 20	Arhgap20	367085	1,05	up
6001216	7336118	1709935	Rho GTPase activating protein 20	Arhgap20	367085	1,04	up
6539925	7336118	1709928	Rho GTPase activating protein 20	Arhgap20	367085	1,03	up
6390174	7336118	1709935	Rho GTPase activating protein 20	Arhgap20	367085	1,03	down
5765219	7336118	1709924	Rho GTPase activating protein 20	Arhgap20	367085	1,02	up
6674624	7336118	1709934	Rho GTPase activating protein 20	Arhgap20	367085	1,02	up
5813691	7123023	1184799	Rho GTPase activating protein 24	Arhgap24	305156	2,37	up
6429567	7123023	1184802	Rho GTPase activating protein 24	Arhgap24	305156	1,52	down
6418972	7123023	1184801	Rho GTPase activating protein 24	Arhgap24	305156	1,51	down
6163629	7123023	1184797	Rho GTPase activating protein 24	Arhgap24	305156	1,39	up
5862318	7123023	1184803	Rho GTPase activating protein 24	Arhgap24	305156	1,23	down
6627925	7123023	1184800	Rho GTPase activating protein 24	Arhgap24	305156	1,21	down
5944954	7123023	1184798	Rho GTPase activating protein 24	Arhgap24	305156	1,19	down
5781764	7123023	1184804	Rho GTPase activating protein 24	Arhgap24	305156	1,09	down
5785055	7123023	1184803	Rho GTPase activating protein 24	Arhgap24	305156	1,07	up
6673381	7169732	1298757	Rho GTPase activating protein 26	Arhgap26	307459	1,58	up
6163632	7169732	1298771	Rho GTPase activating protein 26	Arhgap26	307459	1,32	up
5752700	7169732	1298736	Rho GTPase activating protein 26	Arhgap26	307459	1,31	up
6573293	7169732	1298722	Rho GTPase activating protein 26	Arhgap26	307459	1,28	down
5817587	7169732	1298698	Rho GTPase activating protein 26	Arhgap26	307459	1,27	up
6508783	7169732	1298750	Rho GTPase activating protein 26	Arhgap26	307459	1,25	up
6419885	7169732	1298733	Rho GTPase activating protein 26	Arhgap26	307459	1,18	up
6469917	7169732	1298757	Rho GTPase activating protein 26	Arhgap26	307459	1,17	up
6373406	7169732	1298700	Rho GTPase activating protein 26	Arhgap26	307459	1,13	down
6590088	7169732	1298734	Rho GTPase activating protein 26	Arhgap26	307459	1,11	down
6369871	7169732	1298779	Rho GTPase activating protein 26	Arhgap26	307459	1,11	down
5776927	7169732	1298710	Rho GTPase activating protein 26	Arhgap26	307459	1,09	up
6502727	7169732	1298708	Rho GTPase activating protein 26	Arhgap26	307459	1,08	down
6689568	7169732	1298748	Rho GTPase activating protein 26	Arhgap26	307459	1,07	down
6565593	7169732	1298707	Rho GTPase activating protein 26	Arhgap26	307459	1,06	down
6683270	7169732	1298706	Rho GTPase activating protein 26	Arhgap26	307459	1,06	down
5620072	7169732	1298728	Rho GTPase activating protein 26	Arhgap26	307459	1,06	down
6487099	7169732	1298686	Rho GTPase activating protein 26	Arhgap26	307459	1,05	up
5781881	7169732	1298704	Rho GTPase activating protein 26	Arhgap26	307459	1,03	up
5648053	7169732	1298705	Rho GTPase activating protein 26	Arhgap26	307459	1,03	up
6118016	7169732	1298713	Rho GTPase activating protein 26	Arhgap26	307459	1,02	up
5833344	7169732	1298703	Rho GTPase activating protein 26	Arhgap26	307459	1,02	up
5864313	7169732	1298729	Rho GTPase activating protein 26	Arhgap26	307459	1,01	down
5820729	7169732	1298771	Rho GTPase activating protein 26	Arhgap26	307459	1,01	down
5677751	7169732	1298775	Rho GTPase activating protein 26	Arhgap26	307459	1,01	down
6553250	7083177	1086593	Rho GTPase activating protein 27	Arhgap27	303583	2,06	up
6245640	7083177	1086595	Rho GTPase activating protein 27	Arhgap27	303583	1,76	up
6198869	7083177	1086601	Rho GTPase activating protein 27	Arhgap27	303583	1,54	down
5995274	7083177	1086592	Rho GTPase activating protein 27	Arhgap27	303583	1,35	down

6688533	7083177	1086600	Rho GTPase activating protein 27	Arhgap27	303583	1,32	down
6367326	7083177	1086589	Rho GTPase activating protein 27	Arhgap27	303583	1,30	up
6515960	7083177	1086596	Rho GTPase activating protein 27	Arhgap27	303583	1,29	down
5851922	7083177	1086594	Rho GTPase activating protein 27	Arhgap27	303583	1,21	up
6507934	7083177	1086586	Rho GTPase activating protein 27	Arhgap27	303583	1,21	up
6726521	7083177	1086592	Rho GTPase activating protein 27	Arhgap27	303583	1,19	down
5863672	7083177	1086597	Rho GTPase activating protein 27	Arhgap27	303583	1,17	up
6014613	7083177	1086593	Rho GTPase activating protein 27	Arhgap27	303583	1,14	down
5857432	7083177	1086588	Rho GTPase activating protein 27	Arhgap27	303583	1,09	up
6001430	7083177	1086602	Rho GTPase activating protein 27	Arhgap27	303583	1,09	up
6700222	7083177	1086587	Rho GTPase activating protein 27	Arhgap27	303583	1,08	up
6258136	7083177	1086590	Rho GTPase activating protein 27	Arhgap27	303583	1,04	up
6078569	7083177	1086598	Rho GTPase activating protein 27	Arhgap27	303583	1,03	up
5868396	7083177	1086591	Rho GTPase activating protein 27	Arhgap27	303583	1,02	down
5942205	7083177	1086593	Rho GTPase activating protein 27	Arhgap27	303583	1,00	down
5797702	7083177	1086599	Rho GTPase activating protein 27	Arhgap27	303583	1,00	down
6680331	7198627	1372239	Rho GTPase activating protein 29	Arhgap29	310833	2,07	up
6607723	7198627	1372238	Rho GTPase activating protein 29	Arhgap29	310833	1,82	down
6560365	7198627	1372232	Rho GTPase activating protein 29	Arhgap29	310833	1,77	up
6432507	7198627	1372228	Rho GTPase activating protein 29	Arhgap29	310833	1,66	down
5741357	7198627	1372243	Rho GTPase activating protein 29	Arhgap29	310833	1,64	up
6044467	7198627	1372250	Rho GTPase activating protein 29	Arhgap29	310833	1,61	up
6229839	7198627	1372242	Rho GTPase activating protein 29	Arhgap29	310833	1,60	up
6704381	7198627	1372245	Rho GTPase activating protein 29	Arhgap29	310833	1,58	up
5656650	7198627	1372231	Rho GTPase activating protein 29	Arhgap29	310833	1,50	down
6647189	7198627	1372228	Rho GTPase activating protein 29	Arhgap29	310833	1,46	down
5829081	7198627	1372241	Rho GTPase activating protein 29	Arhgap29	310833	1,43	up
6323252	7198627	1372229	Rho GTPase activating protein 29	Arhgap29	310833	1,42	up
6487056	7198627	1372248	Rho GTPase activating protein 29	Arhgap29	310833	1,39	down
6428479	7198627	1372234	Rho GTPase activating protein 29	Arhgap29	310833	1,28	up
6140139	7198627	1372236	Rho GTPase activating protein 29	Arhgap29	310833	1,20	up
6028521	7198627	1372244	Rho GTPase activating protein 29	Arhgap29	310833	1,19	down
5806334	7198627	1372240	Rho GTPase activating protein 29	Arhgap29	310833	1,18	up
6718019	7198627	1372228	Rho GTPase activating protein 29	Arhgap29	310833	1,15	up
6639606	7198627	1372237	Rho GTPase activating protein 29	Arhgap29	310833	1,09	up
5925331	7198627	1372233	Rho GTPase activating protein 29	Arhgap29	310833	1,07	down
6188478	7198627	1372249	Rho GTPase activating protein 29	Arhgap29	310833	1,07	up
6681774	7198627	1372230	Rho GTPase activating protein 29	Arhgap29	310833	1,06	down
6265842	7198627	1372235	Rho GTPase activating protein 29	Arhgap29	310833	1,04	up
5741383	7198627	1372247	Rho GTPase activating protein 29	Arhgap29	310833	1,02	down
6220256	7198627	1372246	Rho GTPase activating protein 29	Arhgap29	310833	1,00	up
6746004	7198627	1372230	Rho GTPase activating protein 29	Arhgap29	310833	1,00	down
5714608	7319458	1670856	Rho GTPase activating protein 8	Arhgap8	300115	2,18	down
6001492	7319458	1670855	Rho GTPase activating protein 8	Arhgap8	300115	1,60	down
6585717	7319458	1670865	Rho GTPase activating protein 8	Arhgap8	300115	1,25	down
6017195	7319458	1670861	Rho GTPase activating protein 8	Arhgap8	300115	1,15	up
6366290	7319458	1670860	Rho GTPase activating protein 8	Arhgap8	300115	1,11	up
6470528	7319458	1670859	Rho GTPase activating protein 8	Arhgap8	300115	1,10	up
6618244	7319458	1670862	Rho GTPase activating protein 8	Arhgap8	300115	1,09	down
6652056	7319458	1670858	Rho GTPase activating protein 8	Arhgap8	300115	1,07	down
5702822	7319458	1670866	Rho GTPase activating protein 8	Arhgap8	300115	1,07	up
6267383	7319458	1670866	Rho GTPase activating protein 8	Arhgap8	300115	1,05	up
6327508	7319458	1670857	Rho GTPase activating protein 8	Arhgap8	300115	1,03	up
6133870	7319458	1670856	Rho GTPase activating protein 8	Arhgap8	300115	1,03	up
5831366	7319458	1670864	Rho GTPase activating protein 8	Arhgap8	300115	1,00	up
5644498	7319458	1670863	Rho GTPase activating protein 8	Arhgap8	300115	1,00	down
6228666	7142915	1233144	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	2,16	down

6619218	7142915	1233149	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,85	up
6257217	7142915	1233142	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,43	down
6471933	7142915	1233149	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,40	down
5679812	7142915	1233129	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,36	down
6109452	7142915	1233147	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,19	down
6729696	7142915	1233141	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,14	down
6585006	7142915	1233150	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,13	down
6072961	7142915	1233150	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,12	up
6018683	7142915	1233148	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,08	up
6071817	7142915	1233139	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,04	up
5937814	7142915	1233119	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,03	up
5622298	7142915	1233140	Rho guanine nucleotide exchange factor (GEF) 3	Arhgef3	290541	1,00	up
6134028	7353287	1753034	Rho guanine nucleotide exchange factor (GEF) 4	Arhgef4	301334	2,34	up
6134600	7253215	1505374	Rho guanine nucleotide exchange factor (GEF) 5	Arhgef5	140898	1,51	up
6553612	7253215	1505373	Rho guanine nucleotide exchange factor (GEF) 5	Arhgef5	140898	1,44	up
6027950	7253215	1505376	Rho guanine nucleotide exchange factor (GEF) 5	Arhgef5	140898	1,42	down
6167828	7253215	1505375	Rho guanine nucleotide exchange factor (GEF) 5	Arhgef5	140898	1,11	up
6006141	7196120	1365857	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	6,33	down
6107045	7196120	1365873	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,94	down
5684989	7196120	1365870	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,79	up
6596514	7196120	1365868	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,70	up
6613583	7196120	1365857	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,52	down
5731254	7196120	1365867	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,40	down
5671444	7196120	1365859	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,37	down
6131755	7196120	1365875	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,35	down
5748307	7196120	1365878	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,34	up
6098851	7196120	1365861	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,34	down
6019969	7196120	1365879	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,32	down
6597098	7196120	1365863	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,30	up
6139761	7196120	1365865	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,21	up
6351247	7196120	1365866	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,21	down
6278858	7196120	1365871	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,20	up
6006614	7196120	1365869	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,18	up
6564754	7196120	1365858	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,15	up
5825629	7196120	1365877	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,13	up
6497439	7196120	1365864	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,12	down
6238998	7196120	1365876	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,06	up
6374787	7196120	1365860	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,06	up
6180796	7196120	1365862	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,02	down
6108047	7196120	1365872	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,02	down
6136220	7196120	1365874	rho/rac guanine nucleotide exchange factor (GEF) 2	Arhgef2	310635	1,02	up
5820230	7173094	1307568	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	2,42	down
6216075	7173094	1307536	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,85	down
6467154	7173094	1307551	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,66	down
6139054	7173094	1307535	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,45	up
5641200	7173094	1307565	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,33	down
5784910	7173094	1307540	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,32	down
6291864	7173094	1307546	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,29	up
5978710	7173094	1307550	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,26	up
6675974	7173094	1307556	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,25	down
6290902	7173094	1307552	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,24	down
5857769	7173094	1307538	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,24	down
5770324	7173094	1307547	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,23	down
5973586	7173094	1307536	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,21	up
5970475	7173094	1307543	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,19	down
5860142	7173094	1307567	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,15	up
6010118	7173094	1307539	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,15	up

6571995	7173094	1307537	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,14	up
6298334	7173094	1307557	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,13	up
6559887	7173094	1307544	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,13	down
6564005	7173094	1307558	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,12	up
6451498	7173094	1307568	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,11	up
6744804	7173094	1307559	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,10	down
6457620	7173094	1307542	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,09	down
5811312	7173094	1307564	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,09	down
5665957	7173094	1307561	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,09	down
6329125	7173094	1307541	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,08	up
6093314	7173094	1307566	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,06	down
6114198	7173094	1307553	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,06	down
5688509	7173094	1307545	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,06	up
6691592	7173094	1307549	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,05	up
5965015	7173094	1307568	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,04	down
6587132	7173094	1307560	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,03	up
5892432	7173094	1307562	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,03	up
6628457	7173094	1307548	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,01	up
6566352	7173094	1307554	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,01	up
6270105	7173094	1307555	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,01	up
5650215	7173094	1307563	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,01	up
5758358	7173094	1307555	Rho-associated coiled-coil containing protein kinase 1	Rock1	81762	1,00	up
5898297	7202749	1382054	Rho-guanine nucleotide exchange factor	Rgnef	361882	2,76	down
6262758	7202749	1382055	Rho-guanine nucleotide exchange factor	Rgnef	361882	2,17	down
6162674	7202749	1382111	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,70	up
6005663	7202749	1382069	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,69	down
6090775	7202749	1382051	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,65	up
5874039	7202749	1382102	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,46	down
5895325	7202749	1382062	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,40	down
6570220	7202749	1382100	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,38	down
5927368	7202749	1382087	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,34	up
6415800	7202749	1382088	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,32	down
6530592	7202749	1382123	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,31	down
6429601	7202749	1382111	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,30	up
5932086	7202749	1382107	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,26	up
6393590	7202749	1382083	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,25	down
6528094	7202749	1382077	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,25	down
5887631	7202749	1382089	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,22	down
5966840	7202749	1382069	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,22	down
6669730	7202749	1382078	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,21	down
6004076	7202749	1382064	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,21	up
6519855	7202749	1382051	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,21	up
5888449	7202749	1382063	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,19	down
6716522	7202749	1382054	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,13	down
5875928	7202749	1382073	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,13	down
5781276	7202749	1382090	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,10	up
6705813	7202749	1382068	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,09	up
5870414	7202749	1382054	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,09	down
5738288	7202749	1382074	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,09	up
5805181	7202749	1382065	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,08	up
6471338	7202749	1382071	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,07	down
5624272	7202749	1382067	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,07	down
6573113	7202749	1382105	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,06	down
6624011	7202749	1382060	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,06	down
6256304	7202749	1382112	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,05	down
6290711	7202749	1382059	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,05	down
6591807	7202749	1382084	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,03	up

6107247	7202749	1382070	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,03	down
6300718	7202749	1382082	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,03	down
5663949	7202749	1382122	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,02	up
6227945	7202749	1382050	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,01	up
6504390	7202749	1382072	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,01	down
6647324	7202749	1382058	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,00	down
5637128	7202749	1382106	Rho-guanine nucleotide exchange factor	Rgnef	361882	1,00	up
6531959	7084716	1090128	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	3,01	down
6108174	7084716	1090121	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	2,44	down
5712293	7084716	1090116	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	2,33	up
6499766	7084716	1090121	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	2,28	down
6204291	7084716	1090122	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	2,06	down
6411770	7084716	1090123	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	2,02	down
6308851	7084716	1090115	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,94	up
6470896	7084716	1090118	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,89	up
6483405	7084716	1090110	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,84	up
5879515	7084716	1090109	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,78	up
5748928	7084716	1090122	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,77	down
5715478	7084716	1090114	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,62	down
5738828	7084716	1090111	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,59	up
6498656	7084716	1090117	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,56	up
6019655	7084716	1090112	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,56	down
6157786	7084716	1090110	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,52	up
6321842	7084716	1090118	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,49	down
6424020	7084716	1090108	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,36	up
6189134	7084716	1090120	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,24	down
6302844	7084716	1090118	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,14	up
6596483	7084716	1090119	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,12	up
6128106	7084716	1090113	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,06	up
6374276	7084716	1090123	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,05	up
6428853	7084716	1090108	rhomboid 5 homolog 2 (Drosophila)	Rhbd2	303690	1,00	up
6376813	7318139	1668074	rhophilin, Rho GTPase binding protein 1	Rhpn1	300030	1,26	up
6001708	7318139	1668076	rhophilin, Rho GTPase binding protein 1	Rhpn1	300030	1,03	up
6513584	7139682	1225007	Rho-related BTB domain containing 2	Rhob2	306004	2,41	up
6591893	7139682	1225015	Rho-related BTB domain containing 2	Rhob2	306004	1,18	up
5784476	7139682	1225007	Rho-related BTB domain containing 2	Rhob2	306004	1,16	down
6000676	7139682	1225010	Rho-related BTB domain containing 2	Rhob2	306004	1,15	up
5630014	7139682	1225009	Rho-related BTB domain containing 2	Rhob2	306004	1,15	down
5787460	7139682	1225011	Rho-related BTB domain containing 2	Rhob2	306004	1,11	down
5739024	7139682	1225012	Rho-related BTB domain containing 2	Rhob2	306004	1,08	down
5916459	7139682	1225016	Rho-related BTB domain containing 2	Rhob2	306004	1,07	up
6506794	7139682	1225013	Rho-related BTB domain containing 2	Rhob2	306004	1,04	down
6450272	7139682	1225008	Rho-related BTB domain containing 2	Rhob2	306004	1,02	up
6657907	7139682	1225014	Rho-related BTB domain containing 2	Rhob2	306004	1,01	up
5718430	7201422	1379176	Rho-related BTB domain containing 3	Rhob3	309922	1,92	down
5734555	7201422	1379191	Rho-related BTB domain containing 3	Rhob3	309922	1,91	up
6720673	7201422	1379173	Rho-related BTB domain containing 3	Rhob3	309922	1,79	down
6303434	7201422	1379180	Rho-related BTB domain containing 3	Rhob3	309922	1,79	down
5930333	7201422	1379191	Rho-related BTB domain containing 3	Rhob3	309922	1,78	up
5841863	7201422	1379191	Rho-related BTB domain containing 3	Rhob3	309922	1,63	up
6587724	7201422	1379170	Rho-related BTB domain containing 3	Rhob3	309922	1,48	down
5646004	7201422	1379190	Rho-related BTB domain containing 3	Rhob3	309922	1,44	down
6680360	7201422	1379181	Rho-related BTB domain containing 3	Rhob3	309922	1,29	down
6330468	7201422	1379189	Rho-related BTB domain containing 3	Rhob3	309922	1,21	down
6488414	7201422	1379169	Rho-related BTB domain containing 3	Rhob3	309922	1,18	down
5897044	7201422	1379185	Rho-related BTB domain containing 3	Rhob3	309922	1,18	down
6026360	7201422	1379189	Rho-related BTB domain containing 3	Rhob3	309922	1,14	down

5702101	7201422	1379188	Rho-related BTB domain containing 3	Rhobtb3	309922	1,14	down
5812512	7201422	1379192	Rho-related BTB domain containing 3	Rhobtb3	309922	1,07	up
5674676	7201422	1379174	Rho-related BTB domain containing 3	Rhobtb3	309922	1,07	up
6182798	7201422	1379170	Rho-related BTB domain containing 3	Rhobtb3	309922	1,06	up
6728836	7201422	1379191	Rho-related BTB domain containing 3	Rhobtb3	309922	1,04	down
6461839	7255436	1511085	rhotekin	Rtkn	297383	2,01	down
6411423	7255436	1511087	rhotekin	Rtkn	297383	1,43	down
6577526	7255436	1511096	rhotekin	Rtkn	297383	1,36	down
6455514	7255436	1511085	rhotekin	Rtkn	297383	1,31	up
6176206	7255436	1511089	rhotekin	Rtkn	297383	1,29	down
5707541	7255436	1511097	rhotekin	Rtkn	297383	1,27	down
5862456	7255436	1511094	rhotekin	Rtkn	297383	1,27	up
6378964	7255436	1511088	rhotekin	Rtkn	297383	1,22	down
6065645	7255436	1511095	rhotekin	Rtkn	297383	1,21	up
6567198	7255436	1511094	rhotekin	Rtkn	297383	1,21	up
6643777	7255436	1511093	rhotekin	Rtkn	297383	1,17	up
5722711	7255436	1511096	rhotekin	Rtkn	297383	1,15	down
5799742	7255436	1511086	rhotekin	Rtkn	297383	1,14	up
5963204	7255436	1511091	rhotekin	Rtkn	297383	1,13	up
6023711	7255436	1511085	rhotekin	Rtkn	297383	1,11	up
5718039	7255436	1511085	rhotekin	Rtkn	297383	1,08	down
6652976	7255436	1511084	rhotekin	Rtkn	297383	1,06	down
5777998	7255436	1511090	rhotekin	Rtkn	297383	1,03	down
5866963	7255436	1511089	rhotekin	Rtkn	297383	1,02	down
5999011	7255436	1511092	rhotekin	Rtkn	297383	1,02	down
6650025	7040165	985823	riboflavin kinase	Rfk	499328	2,31	down
6357152	7040165	985826	riboflavin kinase	Rfk	499328	1,56	up
6504958	7040165	985824	riboflavin kinase	Rfk	499328	1,32	up
5969431	7040165	985825	riboflavin kinase	Rfk	499328	1,29	up
5789142	7040165	985823	riboflavin kinase	Rfk	499328	1,16	down
6043780	7040165	985823	riboflavin kinase	Rfk	499328	1,13	up
6129011	7040165	985827	riboflavin kinase	Rfk	499328	1,12	up
6220181	7040165	985823	riboflavin kinase	Rfk	499328	1,07	up
6103545	7040165	985824	riboflavin kinase	Rfk	499328	1,06	down
5894200	7040165	985823	riboflavin kinase	Rfk	499328	1,05	down
6015791	7040165	985827	riboflavin kinase	Rfk	499328	1,03	up
5716215	7040165	985823	riboflavin kinase	Rfk	499328	1,00	down
6183721	7190844	1352151	ribonuclease type III, nuclear	Rnasen	310159	2,23	down
6478543	7190844	1352129	ribonuclease type III, nuclear	Rnasen	310159	2,06	up
5999055	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,67	down
6353348	7190844	1352167	ribonuclease type III, nuclear	Rnasen	310159	1,54	down
6417948	7190844	1352121	ribonuclease type III, nuclear	Rnasen	310159	1,47	down
5770790	7190844	1352160	ribonuclease type III, nuclear	Rnasen	310159	1,46	down
6188079	7190844	1352166	ribonuclease type III, nuclear	Rnasen	310159	1,45	down
6381948	7190844	1352108	ribonuclease type III, nuclear	Rnasen	310159	1,38	up
5664593	7190844	1352151	ribonuclease type III, nuclear	Rnasen	310159	1,34	down
5918745	7190844	1352114	ribonuclease type III, nuclear	Rnasen	310159	1,31	down
6648360	7190844	1352115	ribonuclease type III, nuclear	Rnasen	310159	1,29	up
6211077	7190844	1352162	ribonuclease type III, nuclear	Rnasen	310159	1,27	down
6518309	7190844	1352169	ribonuclease type III, nuclear	Rnasen	310159	1,19	down
6191468	7190844	1352166	ribonuclease type III, nuclear	Rnasen	310159	1,19	down
5839283	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,17	up
5785932	7190844	1352170	ribonuclease type III, nuclear	Rnasen	310159	1,16	up
5780870	7190844	1352116	ribonuclease type III, nuclear	Rnasen	310159	1,15	up
5731407	7190844	1352110	ribonuclease type III, nuclear	Rnasen	310159	1,15	up
6028727	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,14	up
6672182	7190844	1352117	ribonuclease type III, nuclear	Rnasen	310159	1,13	down

6384581	7190844	1352165	ribonuclease type III, nuclear	Rnasen	310159	1,09	down
6686746	7190844	1352170	ribonuclease type III, nuclear	Rnasen	310159	1,09	down
6729936	7190844	1352127	ribonuclease type III, nuclear	Rnasen	310159	1,08	down
6671167	7190844	1352106	ribonuclease type III, nuclear	Rnasen	310159	1,08	down
5992237	7190844	1352158	ribonuclease type III, nuclear	Rnasen	310159	1,06	down
6194586	7190844	1352128	ribonuclease type III, nuclear	Rnasen	310159	1,06	up
5721139	7190844	1352132	ribonuclease type III, nuclear	Rnasen	310159	1,06	down
6154389	7190844	1352155	ribonuclease type III, nuclear	Rnasen	310159	1,05	up
6256271	7190844	1352131	ribonuclease type III, nuclear	Rnasen	310159	1,05	up
6245135	7190844	1352168	ribonuclease type III, nuclear	Rnasen	310159	1,04	up
6168686	7190844	1352111	ribonuclease type III, nuclear	Rnasen	310159	1,01	down
6192315	7190844	1352113	ribonuclease type III, nuclear	Rnasen	310159	1,01	down
5663807	7190844	1352150	ribonuclease type III, nuclear	Rnasen	310159	1,01	up
5799227	7190844	1352115	ribonuclease type III, nuclear	Rnasen	310159	1,01	up
6344657	7079326	1077973	ribonuclease, RNase K	Rnasek	287453	1,73	down
6301318	7079326	1077974	ribonuclease, RNase K	Rnasek	287453	1,59	down
6678352	7079326	1077973	ribonuclease, RNase K	Rnasek	287453	1,50	down
6342984	7079326	1077975	ribonuclease, RNase K	Rnasek	287453	1,49	down
6165660	7079326	1077976	ribonuclease, RNase K	Rnasek	287453	1,37	down
5861493	7277719	1567095	ribonucleoprotein, PTB-binding 2	Raver2	362551	1,58	up
5726932	7277719	1567095	ribonucleoprotein, PTB-binding 2	Raver2	362551	1,46	down
6552869	7277719	1567095	ribonucleoprotein, PTB-binding 2	Raver2	362551	1,05	up
5667244	7298409	1617722	ribose-phosphate pyrophosphokinase I -like	LOC314140	314140	3,15	down
5979363	7298409	1617723	ribose-phosphate pyrophosphokinase I -like	LOC314140	314140	1,27	up
6544632	7298409	1617725	ribose-phosphate pyrophosphokinase I -like	LOC314140	314140	1,05	up
6406644	7298409	1617724	ribose-phosphate pyrophosphokinase I -like	LOC314140	314140	1,00	up
5931555	7298409	1617724	ribose-phosphate pyrophosphokinase I -like /// phosphoribosyl pyrophosphate synthetase 1	.OC314140 /// Prps	314140 /// 29562	1,14	down
6148046	7298409	1617724	ribose-phosphate pyrophosphokinase I -like /// phosphoribosyl pyrophosphate synthetase 1	.OC314140 /// Prps	314140 /// 29562	1,07	down
5793658	7050878	1011545	ribosomal protein L13A	Rpl13a	317646	2,22	up
6168206	7050878	1011538	ribosomal protein L13A	Rpl13a	317646	1,27	down
6491606	7050878	1011539	ribosomal protein L13A	Rpl13a	317646	1,15	up
6071669	7050878	1011544	ribosomal protein L13A	Rpl13a	317646	1,10	up
6659905	7050878	1011542	ribosomal protein L13A	Rpl13a	317646	1,08	down
6312499	7050878	1011541	ribosomal protein L13A	Rpl13a	317646	1,07	up
6256973	7050878	1011540	ribosomal protein L13A	Rpl13a	317646	1,06	down
6716048	7050878	1011543	ribosomal protein L13A	Rpl13a	317646	1,06	down
5991003	7030144	960896	ribosomal protein S16	Rps16	140655	1,36	up
5885999	7030144	960894	ribosomal protein S16	Rps16	140655	1,26	down
5719772	7030144	960894	ribosomal protein S16	Rps16	140655	1,17	up
6698767	7030144	960897	ribosomal protein S16	Rps16	140655	1,08	up
5807108	7030144	960897	ribosomal protein S16	Rps16	140655	1,07	down
6488135	7030144	960893	ribosomal protein S16	Rps16	140655	1,03	down
6256648	7030144	960895	ribosomal protein S16	Rps16	140655	1,02	up
6718753	7030144	960893	ribosomal protein S16	Rps16	140655	1,00	down
5870714	7065575	1045105	ribosomal protein S2	Rps2	83789	1,47	down
6344503	7065575	1045105	ribosomal protein S2	Rps2	83789	1,42	down
6162495	7065575	1045105	ribosomal protein S2	Rps2	83789	1,22	up
5653346	7065575	1045110	ribosomal protein S2	Rps2	83789	1,22	down
6495794	7065575	1045106	ribosomal protein S2	Rps2	83789	1,03	down
6659859	7065575	1045109	ribosomal protein S2	Rps2	83789	1,02	down
5883544	7065575	1045107	ribosomal protein S2	Rps2	83789	1,02	down
6500668	7065575	1045111	ribosomal protein S2	Rps2	83789	1,01	up
5989093	7283260	1580860	ribosomal protein S20	Rps20	122772	3,54	down
6216584	7281300	1576018	ribosomal protein S20	Rps20	122772	3,40	down
6019399	7283260	1580862	ribosomal protein S20	Rps20	122772	1,19	up
5623294	7283260	1580864	ribosomal protein S20	Rps20	122772	1,16	down
6023562	7281300	1576017	ribosomal protein S20	Rps20	122772	1,13	up

6507201	7283260	1580864	ribosomal protein S20	Rps20	122772	1,10	up
6584334	7281300	1576017	ribosomal protein S20	Rps20	122772	1,09	up
5713670	7283260	1580861	ribosomal protein S20	Rps20	122772	1,06	down
6393613	7283260	1580863	ribosomal protein S20	Rps20	122772	1,02	down
6716867	7281300	1576017	ribosomal protein S20	Rps20	122772	1,00	down
5820687	7027386	955021	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	2,43	down
6493467	7027386	955018	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,27	down
6680278	7027386	955029	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,23	up
5644979	7027386	955080	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,16	up
6327324	7027386	955029	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,16	down
5742452	7027386	955078	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,13	up
6055917	7027386	955083	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,11	down
6402389	7027386	955079	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,07	up
6732116	7027386	955075	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,07	up
5938001	7027386	955081	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,05	up
6553774	7027386	955029	ribosomal protein S6 kinase polypeptide 2	Rps6ka2	117269	1,00	up
6023513	7383102	1827378	ribosomal protein S6 kinase polypeptide 6	Rps6ka6	317203	1,05	up
6656351	7245921	1487691	ribosome binding protein 1	Rrbp1	311483	1,48	up
6620477	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,40	up
5998183	7245921	1487700	ribosome binding protein 1	Rrbp1	311483	1,40	up
6580480	7245921	1487681	ribosome binding protein 1	Rrbp1	311483	1,39	up
6698185	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,35	down
5798450	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,28	up
6744880	7245921	1487673	ribosome binding protein 1	Rrbp1	311483	1,28	up
6214167	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,27	up
6526504	7245921	1487686	ribosome binding protein 1	Rrbp1	311483	1,26	up
5962894	7245921	1487709	ribosome binding protein 1	Rrbp1	311483	1,26	down
6734115	7245921	1487684	ribosome binding protein 1	Rrbp1	311483	1,21	up
6348495	7245921	1487682	ribosome binding protein 1	Rrbp1	311483	1,18	up
5977705	7245921	1487680	ribosome binding protein 1	Rrbp1	311483	1,17	up
6293747	7245921	1487687	ribosome binding protein 1	Rrbp1	311483	1,16	up
6472392	7245921	1487678	ribosome binding protein 1	Rrbp1	311483	1,15	up
6488741	7245921	1487679	ribosome binding protein 1	Rrbp1	311483	1,13	down
5909588	7245921	1487671	ribosome binding protein 1	Rrbp1	311483	1,12	up
6377121	7245921	1487677	ribosome binding protein 1	Rrbp1	311483	1,11	up
6234754	7245921	1487696	ribosome binding protein 1	Rrbp1	311483	1,10	up
6434570	7245921	1487691	ribosome binding protein 1	Rrbp1	311483	1,09	up
5880730	7245921	1487701	ribosome binding protein 1	Rrbp1	311483	1,06	up
5795105	7245921	1487672	ribosome binding protein 1	Rrbp1	311483	1,04	up
5893070	7245921	1487709	ribosome binding protein 1	Rrbp1	311483	1,03	up
6393974	7245921	1487698	ribosome binding protein 1	Rrbp1	311483	1,03	down
5910305	7245921	1487674	ribosome binding protein 1	Rrbp1	311483	1,03	up
5640790	7245921	1487694	ribosome binding protein 1	Rrbp1	311483	1,02	down
6438240	7245921	1487683	ribosome binding protein 1	Rrbp1	311483	1,01	up
6329129	7245921	1487692	ribosome binding protein 1	Rrbp1	311483	1,01	down
5687501	7245921	1487693	ribosome binding protein 1	Rrbp1	311483	1,01	down
6130739	7168309	1295354	ring finger protein 125	Rnf125	361296	3,90	up
6670858	7168309	1295358	ring finger protein 125	Rnf125	361296	1,58	up
6270096	7168309	1295359	ring finger protein 125	Rnf125	361296	1,49	up
5627900	7168309	1295359	ring finger protein 125	Rnf125	361296	1,36	down
5773734	7168309	1295356	ring finger protein 125	Rnf125	361296	1,33	up
6653900	7168309	1295359	ring finger protein 125	Rnf125	361296	1,30	up
6058118	7168309	1295355	ring finger protein 125	Rnf125	361296	1,29	up
6601733	7168309	1295357	ring finger protein 125	Rnf125	361296	1,18	down
6323389	7177428	1318368	ring finger protein 165	Rnf165	307251	2,42	up
6082331	7177428	1318367	ring finger protein 165	Rnf165	307251	2,02	up
5858962	7177428	1318369	ring finger protein 165	Rnf165	307251	1,38	down

6192639	7177428	1318372	ring finger protein 165	Rnf165	307251	1,26	down
5750792	7177428	1318370	ring finger protein 165	Rnf165	307251	1,14	down
6534663	7177428	1318366	ring finger protein 165	Rnf165	307251	1,11	up
6049982	7177428	1318366	ring finger protein 165	Rnf165	307251	1,11	down
6130491	7177428	1318397	ring finger protein 165	Rnf165	307251	1,05	up
6518859	7177428	1318372	ring finger protein 165	Rnf165	307251	1,04	down
5889475	7177428	1318372	ring finger protein 165	Rnf165	307251	1,03	up
6468116	7177428	1318371	ring finger protein 165	Rnf165	307251	1,01	up
6003857	7132125	1206597	ring finger protein 17	Rnf17	305908	1,69	up
5623496	7132125	1206642	ring finger protein 17	Rnf17	305908	1,04	down
6488840	7265990	1537109	ring finger protein 181	Rnf181	297337	2,41	down
6259384	7265990	1537109	ring finger protein 181	Rnf181	297337	1,28	down
6249805	7265990	1537109	ring finger protein 181	Rnf181	297337	1,28	up
5808001	7265990	1537107	ring finger protein 181	Rnf181	297337	1,25	down
6017565	7265990	1537109	ring finger protein 181	Rnf181	297337	1,21	down
6511345	7265990	1537104	ring finger protein 181	Rnf181	297337	1,16	up
5688862	7265990	1537109	ring finger protein 181	Rnf181	297337	1,14	down
5899286	7265990	1537107	ring finger protein 181	Rnf181	297337	1,14	up
5885288	7265990	1537105	ring finger protein 181	Rnf181	297337	1,14	down
6274713	7265990	1537109	ring finger protein 181	Rnf181	297337	1,12	up
6184293	7265990	1537108	ring finger protein 181	Rnf181	297337	1,08	down
6075912	7265990	1537108	ring finger protein 181	Rnf181	297337	1,02	up
5849358	7265990	1537106	ring finger protein 181	Rnf181	297337	1,00	down
6027413	7279793	1572540	ring finger protein 19B	Rnf19b	313806	3,64	down
5951610	7279793	1572540	ring finger protein 19B	Rnf19b	313806	2,81	down
6632127	7279793	1572535	ring finger protein 19B	Rnf19b	313806	1,39	up
6154882	7279793	1572531	ring finger protein 19B	Rnf19b	313806	1,10	down
5805622	7279793	1572538	ring finger protein 19B	Rnf19b	313806	1,08	down
6548718	7279793	1572534	ring finger protein 19B	Rnf19b	313806	1,06	up
6292590	7279793	1572536	ring finger protein 19B	Rnf19b	313806	1,04	up
6322077	7279793	1572533	ring finger protein 19B	Rnf19b	313806	1,03	up
6442032	7279793	1572537	ring finger protein 19B	Rnf19b	313806	1,03	up
6541198	7275023	1559993	ring finger protein 20	Rnf20	313216	2,30	down
6702550	7275023	1559993	ring finger protein 20	Rnf20	313216	1,39	up
5673817	7275023	1559999	ring finger protein 20	Rnf20	313216	1,35	down
6152891	7275023	1560020	ring finger protein 20	Rnf20	313216	1,34	down
6108872	7275023	1560010	ring finger protein 20	Rnf20	313216	1,30	up
5869322	7275023	1560011	ring finger protein 20	Rnf20	313216	1,29	up
6621439	7275023	1560009	ring finger protein 20	Rnf20	313216	1,29	up
5692716	7275023	1559998	ring finger protein 20	Rnf20	313216	1,28	up
6062241	7275023	1560015	ring finger protein 20	Rnf20	313216	1,26	down
6216237	7275023	1560013	ring finger protein 20	Rnf20	313216	1,24	down
6530460	7275023	1560021	ring finger protein 20	Rnf20	313216	1,20	down
5912059	7275023	1560021	ring finger protein 20	Rnf20	313216	1,20	down
6435616	7275023	1560006	ring finger protein 20	Rnf20	313216	1,19	up
6444571	7275023	1560003	ring finger protein 20	Rnf20	313216	1,17	up
6685234	7275023	1560010	ring finger protein 20	Rnf20	313216	1,17	down
5923121	7275023	1560004	ring finger protein 20	Rnf20	313216	1,15	up
6617260	7275023	1559994	ring finger protein 20	Rnf20	313216	1,15	down
6125200	7275023	1560001	ring finger protein 20	Rnf20	313216	1,10	up
6062209	7275023	1559994	ring finger protein 20	Rnf20	313216	1,09	up
6207464	7275023	1560008	ring finger protein 20	Rnf20	313216	1,09	up
6062063	7275023	1560012	ring finger protein 20	Rnf20	313216	1,07	down
5739133	7275023	1560014	ring finger protein 20	Rnf20	313216	1,07	up
6515847	7275023	1559993	ring finger protein 20	Rnf20	313216	1,07	down
6150114	7275023	1560001	ring finger protein 20	Rnf20	313216	1,06	up
6107678	7275023	1560007	ring finger protein 20	Rnf20	313216	1,06	up

6294159	7275023	1560002	ring finger protein 20	Rnf20	313216	1,02	down
6274342	7275023	1560005	ring finger protein 20	Rnf20	313216	1,01	up
6294754	7275023	1559998	ring finger protein 20	Rnf20	313216	1,01	up
5790351	7073898	1065732	ring finger protein 213	Rnf213	303735	2,82	up
6507075	7073928	1065777	ring finger protein 213	Rnf213	303735	1,65	down
6099918	7073928	1065773	ring finger protein 213	Rnf213	303735	1,32	down
5838626	7073928	1065775	ring finger protein 213	Rnf213	303735	1,26	down
6005255	7073898	1065737	ring finger protein 213	Rnf213	303735	1,10	up
5634104	7073928	1065778	ring finger protein 213	Rnf213	303735	1,09	up
6002302	7073928	1065774	ring finger protein 213	Rnf213	303735	1,03	down
5843572	7073928	1065776	ring finger protein 213	Rnf213	303735	1,01	up
6268971	7363768	1778598	ring finger protein 25	Rnf25	301515	1,69	down
5999179	7363768	1778595	ring finger protein 25	Rnf25	301515	1,55	up
6710573	7363768	1778596	ring finger protein 25	Rnf25	301515	1,43	up
6384244	7363768	1778597	ring finger protein 25	Rnf25	301515	1,40	up
6390688	7363768	1778600	ring finger protein 25	Rnf25	301515	1,38	up
6656575	7363768	1778599	ring finger protein 25	Rnf25	301515	1,25	down
5856087	7363768	1778601	ring finger protein 25	Rnf25	301515	1,25	down
5684099	7363768	1778595	ring finger protein 25	Rnf25	301515	1,19	down
6521842	7363768	1778602	ring finger protein 25	Rnf25	301515	1,15	up
6559821	7363768	1778601	ring finger protein 25	Rnf25	301515	1,06	down
6465785	7363768	1778604	ring finger protein 25	Rnf25	301515	1,04	up
6614141	7260183	1523099	ring finger protein 32	Rnf32	311936	2,24	down
6063152	7260183	1523103	ring finger protein 32	Rnf32	311936	2,16	down
6084424	7260183	1523100	ring finger protein 32	Rnf32	311936	1,75	down
6066607	7260183	1523105	ring finger protein 32	Rnf32	311936	1,60	down
6271404	7260183	1523101	ring finger protein 32	Rnf32	311936	1,57	up
6409662	7260183	1523104	ring finger protein 32	Rnf32	311936	1,54	down
6022867	7260183	1523096	ring finger protein 32	Rnf32	311936	1,48	up
6672779	7260183	1523103	ring finger protein 32	Rnf32	311936	1,47	down
6251457	7260183	1523098	ring finger protein 32	Rnf32	311936	1,45	up
6491917	7260183	1523096	ring finger protein 32	Rnf32	311936	1,38	up
6460651	7260183	1523099	ring finger protein 32	Rnf32	311936	1,29	up
5785482	7260183	1523098	ring finger protein 32	Rnf32	311936	1,14	up
6272293	7260183	1523104	ring finger protein 32	Rnf32	311936	1,10	up
6130200	7260183	1523106	ring finger protein 32	Rnf32	311936	1,07	down
6335633	7260183	1523098	ring finger protein 32	Rnf32	311936	1,04	up
5804348	7260183	1523102	ring finger protein 32	Rnf32	311936	1,02	down
6465378	7260183	1523097	ring finger protein 32	Rnf32	311936	1,01	down
5999430	7167883	1294098	RIO kinase 3 (yeast)	Riok3	361293	2,45	down
6182523	7167883	1294099	RIO kinase 3 (yeast)	Riok3	361293	1,47	up
6226216	7167883	1294108	RIO kinase 3 (yeast)	Riok3	361293	1,30	up
6326369	7167883	1294108	RIO kinase 3 (yeast)	Riok3	361293	1,23	down
6411742	7167883	1294101	RIO kinase 3 (yeast)	Riok3	361293	1,21	up
6007063	7167883	1294105	RIO kinase 3 (yeast)	Riok3	361293	1,14	down
6605391	7167883	1294104	RIO kinase 3 (yeast)	Riok3	361293	1,10	down
6715990	7167883	1294112	RIO kinase 3 (yeast)	Riok3	361293	1,10	down
6612086	7167883	1294107	RIO kinase 3 (yeast)	Riok3	361293	1,08	up
5875746	7167883	1294111	RIO kinase 3 (yeast)	Riok3	361293	1,08	up
6426418	7167883	1294103	RIO kinase 3 (yeast)	Riok3	361293	1,07	up
6431988	7167883	1294102	RIO kinase 3 (yeast)	Riok3	361293	1,06	down
5999153	7167883	1294106	RIO kinase 3 (yeast)	Riok3	361293	1,04	up
6339360	7167883	1294101	RIO kinase 3 (yeast)	Riok3	361293	1,03	up
6630100	7167883	1294098	RIO kinase 3 (yeast)	Riok3	361293	1,02	down
5619947	7167883	1294112	RIO kinase 3 (yeast)	Riok3	361293	1,02	down
6247240	7167883	1294109	RIO kinase 3 (yeast)	Riok3	361293	1,01	down
6179450	7199743	1375181	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	2,64	down

6414079	7199743	1375183	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,34	up
6182855	7199743	1375187	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,19	up
6024748	7199743	1375191	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,16	down
6036210	7199743	1375190	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,15	up
5759592	7199743	1375192	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,12	up
5984311	7199743	1375189	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,10	up
5736455	7199743	1375185	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,09	up
6734821	7199743	1375184	RNA (guanine-9-) methyltransferase domain containing 2	Rg9mtd2	295496	1,07	down
5741326	7159652	1274262	RNA binding motif protein 17	Rbm17	291295	4,49	down
5875140	7159652	1274271	RNA binding motif protein 17	Rbm17	291295	1,59	down
5759969	7159652	1274262	RNA binding motif protein 17	Rbm17	291295	1,52	up
6452021	7159652	1274272	RNA binding motif protein 17	Rbm17	291295	1,34	up
6713282	7159652	1274270	RNA binding motif protein 17	Rbm17	291295	1,27	down
5638675	7159652	1274264	RNA binding motif protein 17	Rbm17	291295	1,22	up
5715354	7159652	1274266	RNA binding motif protein 17	Rbm17	291295	1,21	down
6576697	7159652	1274273	RNA binding motif protein 17	Rbm17	291295	1,15	up
6348177	7159652	1274268	RNA binding motif protein 17	Rbm17	291295	1,13	up
6081743	7159652	1274267	RNA binding motif protein 17	Rbm17	291295	1,13	up
5633631	7159652	1274265	RNA binding motif protein 17	Rbm17	291295	1,08	down
5919346	7159652	1274263	RNA binding motif protein 17	Rbm17	291295	1,04	up
6412576	7159652	1274269	RNA binding motif protein 17	Rbm17	291295	1,01	up
6023981	7237992	1468284	RNA binding motif protein 18	Rbm18	311902	2,43	down
6695505	7237992	1468284	RNA binding motif protein 18	Rbm18	311902	1,32	down
6295456	7237992	1468281	RNA binding motif protein 18	Rbm18	311902	1,21	down
6024792	7237992	1468289	RNA binding motif protein 18	Rbm18	311902	1,21	down
6352861	7237992	1468290	RNA binding motif protein 18	Rbm18	311902	1,20	up
6544988	7237992	1468290	RNA binding motif protein 18	Rbm18	311902	1,18	down
5780927	7237992	1468283	RNA binding motif protein 18	Rbm18	311902	1,12	up
5698594	7237992	1468289	RNA binding motif protein 18	Rbm18	311902	1,10	up
6741736	7237992	1468282	RNA binding motif protein 18	Rbm18	311902	1,03	down
6177940	7237992	1468290	RNA binding motif protein 18	Rbm18	311902	1,02	up
5765391	7237992	1468281	RNA binding motif protein 18	Rbm18	311902	1,01	up
6321402	7102510	1133880	RNA binding motif protein 19	Rbm19	304512	2,15	up
5803706	7102510	1133879	RNA binding motif protein 19	Rbm19	304512	1,99	down
6618594	7102510	1133868	RNA binding motif protein 19	Rbm19	304512	1,76	down
6569216	7102510	1133873	RNA binding motif protein 19	Rbm19	304512	1,65	up
5861367	7102510	1133867	RNA binding motif protein 19	Rbm19	304512	1,63	down
6344863	7102510	1133840	RNA binding motif protein 19	Rbm19	304512	1,35	up
6139484	7102510	1133884	RNA binding motif protein 19	Rbm19	304512	1,33	up
6696736	7102510	1133878	RNA binding motif protein 19	Rbm19	304512	1,32	up
6513149	7102510	1133839	RNA binding motif protein 19	Rbm19	304512	1,31	down
5915230	7102510	1133887	RNA binding motif protein 19	Rbm19	304512	1,26	up
6531125	7102510	1133871	RNA binding motif protein 19	Rbm19	304512	1,18	up
6166001	7102510	1133886	RNA binding motif protein 19	Rbm19	304512	1,15	up
6061959	7102510	1133883	RNA binding motif protein 19	Rbm19	304512	1,13	down
5935299	7102510	1133887	RNA binding motif protein 19	Rbm19	304512	1,13	up
6314121	7102510	1133882	RNA binding motif protein 19	Rbm19	304512	1,11	down
5827560	7102510	1133868	RNA binding motif protein 19	Rbm19	304512	1,11	down
6688048	7102510	1133877	RNA binding motif protein 19	Rbm19	304512	1,11	up
6229959	7102510	1133849	RNA binding motif protein 19	Rbm19	304512	1,09	down
6546536	7102510	1133865	RNA binding motif protein 19	Rbm19	304512	1,07	up
5642966	7102510	1133844	RNA binding motif protein 19	Rbm19	304512	1,06	down
5937402	7102510	1133872	RNA binding motif protein 19	Rbm19	304512	1,05	down
6198481	7102510	1133885	RNA binding motif protein 19	Rbm19	304512	1,03	up
6039142	7102510	1133864	RNA binding motif protein 19	Rbm19	304512	1,03	down
6580462	7102510	1133866	RNA binding motif protein 19	Rbm19	304512	1,02	down
6123859	7102510	1133882	RNA binding motif protein 19	Rbm19	304512	1,02	up

6604492	7300027	1621888	RNA binding motif protein 25	Rbm25	366693	1,58	down
5623289	7300027	1621892	RNA binding motif protein 25	Rbm25	366693	1,42	down
6532382	7300027	1621889	RNA binding motif protein 25	Rbm25	366693	1,28	down
5692081	7300027	1621888	RNA binding motif protein 25	Rbm25	366693	1,22	down
6431164	7300027	1621888	RNA binding motif protein 25	Rbm25	366693	1,17	down
5756899	7300027	1621892	RNA binding motif protein 25	Rbm25	366693	1,08	down
6298804	7300027	1621887	RNA binding motif protein 25	Rbm25	366693	1,05	down
6689580	7300027	1621890	RNA binding motif protein 25	Rbm25	366693	1,04	up
6432824	7300027	1621886	RNA binding motif protein 25	Rbm25	366693	1,01	down
5888164	7049812	1009057	RNA binding motif protein 42	Rbm42	361545	2,16	up
6518992	7049812	1009053	RNA binding motif protein 42	Rbm42	361545	1,45	down
6086809	7049812	1009048	RNA binding motif protein 42	Rbm42	361545	1,33	up
6061741	7049812	1009055	RNA binding motif protein 42	Rbm42	361545	1,33	up
5700014	7049812	1009056	RNA binding motif protein 42	Rbm42	361545	1,19	down
6680708	7049812	1009054	RNA binding motif protein 42	Rbm42	361545	1,17	down
6408854	7049812	1009056	RNA binding motif protein 42	Rbm42	361545	1,16	down
6065060	7049812	1009052	RNA binding motif protein 42	Rbm42	361545	1,08	down
6449718	7049812	1009057	RNA binding motif protein 42	Rbm42	361545	1,05	up
6734745	7049812	1009051	RNA binding motif protein 42	Rbm42	361545	1,04	down
5915974	7049812	1009047	RNA binding motif protein 42	Rbm42	361545	1,03	down
6729006	7049812	1009049	RNA binding motif protein 42	Rbm42	361545	1,03	down
5916402	7049812	1009050	RNA binding motif protein 42	Rbm42	361545	1,02	up
5651892	7049812	1009052	RNA binding motif protein 42	Rbm42	361545	1,01	down
6410141	7238826	1470530	RNA binding motif protein 43	Rbm43	311020	2,16	up
5860056	7238826	1470531	RNA binding motif protein 43	Rbm43	311020	1,89	up
6461772	7238826	1470537	RNA binding motif protein 43	Rbm43	311020	1,55	up
5633768	7238826	1470535	RNA binding motif protein 43	Rbm43	311020	1,49	down
5848601	7238826	1470531	RNA binding motif protein 43	Rbm43	311020	1,33	up
6154089	7238826	1470531	RNA binding motif protein 43	Rbm43	311020	1,28	down
5626912	7238826	1470535	RNA binding motif protein 43	Rbm43	311020	1,15	up
6062887	7239391	1472257	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	3,21	down
5722592	7239391	1472256	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,91	down
5985969	7239391	1472258	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,38	up
6276797	7239391	1472254	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,36	up
6593875	7239391	1472251	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,35	up
6141977	7239391	1472244	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,29	down
6351147	7239391	1472253	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,26	down
6229650	7239391	1472244	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,19	down
6673532	7239391	1472249	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,16	up
5977826	7239391	1472256	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,16	down
6021182	7239391	1472255	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,16	up
6722358	7239391	1472252	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,15	down
5770536	7239391	1472250	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,14	up
6307046	7239391	1472245	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,06	up
6137946	7239391	1472247	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,05	down
5958131	7239391	1472253	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,04	up
5762798	7239391	1472248	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,03	up
6054368	7239391	1472246	RNA binding motif, single stranded interacting protein 1	Rbms1	362138	1,02	up
6088466	7243628	1482375	RNA polymerase II associated protein 1	Rpap1	311338	1,78	down
6677929	7243628	1482388	RNA polymerase II associated protein 1	Rpap1	311338	1,68	down
6570394	7243628	1482383	RNA polymerase II associated protein 1	Rpap1	311338	1,53	up
6182194	7243628	1482364	RNA polymerase II associated protein 1	Rpap1	311338	1,48	down
6663711	7243628	1482370	RNA polymerase II associated protein 1	Rpap1	311338	1,48	down
5859430	7243628	1482374	RNA polymerase II associated protein 1	Rpap1	311338	1,41	down
6476109	7243628	1482368	RNA polymerase II associated protein 1	Rpap1	311338	1,40	up
6727492	7243628	1482364	RNA polymerase II associated protein 1	Rpap1	311338	1,38	down
5884089	7243628	1482369	RNA polymerase II associated protein 1	Rpap1	311338	1,35	down

6717757	7243628	1482387	RNA polymerase II associated protein 1	Rpap1	311338	1,28	down
5796770	7243628	1482380	RNA polymerase II associated protein 1	Rpap1	311338	1,26	up
6502135	7243628	1482373	RNA polymerase II associated protein 1	Rpap1	311338	1,26	down
6254383	7243628	1482369	RNA polymerase II associated protein 1	Rpap1	311338	1,25	down
6371071	7243628	1482379	RNA polymerase II associated protein 1	Rpap1	311338	1,23	down
6639725	7243628	1482377	RNA polymerase II associated protein 1	Rpap1	311338	1,21	up
5624945	7243628	1482390	RNA polymerase II associated protein 1	Rpap1	311338	1,21	up
6357185	7243628	1482372	RNA polymerase II associated protein 1	Rpap1	311338	1,16	up
6259910	7243628	1482376	RNA polymerase II associated protein 1	Rpap1	311338	1,16	up
5791392	7243628	1482390	RNA polymerase II associated protein 1	Rpap1	311338	1,14	up
6680731	7243628	1482371	RNA polymerase II associated protein 1	Rpap1	311338	1,14	down
6343239	7243628	1482389	RNA polymerase II associated protein 1	Rpap1	311338	1,13	up
6172423	7243628	1482378	RNA polymerase II associated protein 1	Rpap1	311338	1,10	down
6743496	7243628	1482389	RNA polymerase II associated protein 1	Rpap1	311338	1,09	up
5778189	7243628	1482363	RNA polymerase II associated protein 1	Rpap1	311338	1,08	up
6534893	7243628	1482385	RNA polymerase II associated protein 1	Rpap1	311338	1,06	up
6449191	7243628	1482385	RNA polymerase II associated protein 1	Rpap1	311338	1,03	up
5870371	7243628	1482386	RNA polymerase II associated protein 1	Rpap1	311338	1,03	down
6533442	7243628	1482383	RNA polymerase II associated protein 1	Rpap1	311338	1,03	up
6469732	7243628	1482367	RNA polymerase II associated protein 1	Rpap1	311338	1,02	up
5873028	7243628	1482381	RNA polymerase II associated protein 1	Rpap1	311338	1,02	up
6540449	7243628	1482389	RNA polymerase II associated protein 1	Rpap1	311338	1,01	up
5992194	7243628	1482363	RNA polymerase II associated protein 1	Rpap1	311338	1,00	down
6552034	7172988	1307280	rotatin	Rtttn	291377	2,36	up
6617259	7172988	1307328	rotatin	Rtttn	291377	2,07	down
6035921	7172988	1307291	rotatin	Rtttn	291377	1,89	up
6306241	7172988	1307312	rotatin	Rtttn	291377	1,81	down
5690555	7172988	1307333	rotatin	Rtttn	291377	1,78	down
6555624	7172988	1307319	rotatin	Rtttn	291377	1,67	down
6028412	7172988	1307297	rotatin	Rtttn	291377	1,62	down
6165309	7172988	1307285	rotatin	Rtttn	291377	1,62	up
6384491	7172988	1307339	rotatin	Rtttn	291377	1,48	down
6390383	7172988	1307334	rotatin	Rtttn	291377	1,44	down
6109845	7172988	1307307	rotatin	Rtttn	291377	1,43	up
6549127	7172988	1307327	rotatin	Rtttn	291377	1,39	down
5915613	7172988	1307293	rotatin	Rtttn	291377	1,37	up
6418981	7172988	1307298	rotatin	Rtttn	291377	1,37	down
6452559	7172988	1307284	rotatin	Rtttn	291377	1,36	up
5824398	7172988	1307288	rotatin	Rtttn	291377	1,34	up
6219945	7172988	1307307	rotatin	Rtttn	291377	1,34	down
5919418	7172988	1307305	rotatin	Rtttn	291377	1,32	up
6313708	7172988	1307316	rotatin	Rtttn	291377	1,31	down
6299041	7172988	1307323	rotatin	Rtttn	291377	1,31	up
5618203	7172988	1307286	rotatin	Rtttn	291377	1,30	up
6207907	7172988	1307327	rotatin	Rtttn	291377	1,30	up
6025050	7172988	1307314	rotatin	Rtttn	291377	1,29	down
6088457	7172988	1307311	rotatin	Rtttn	291377	1,29	down
6206461	7172988	1307304	rotatin	Rtttn	291377	1,28	up
6340697	7172988	1307313	rotatin	Rtttn	291377	1,26	up
5620658	7172988	1307296	rotatin	Rtttn	291377	1,25	up
5888267	7172988	1307297	rotatin	Rtttn	291377	1,24	down
5753601	7172988	1307308	rotatin	Rtttn	291377	1,22	down
5968992	7172988	1307309	rotatin	Rtttn	291377	1,22	down
5703872	7172988	1307339	rotatin	Rtttn	291377	1,22	up
6491202	7172988	1307333	rotatin	Rtttn	291377	1,21	up
6372865	7172988	1307332	rotatin	Rtttn	291377	1,19	up
6451738	7172988	1307306	rotatin	Rtttn	291377	1,19	up

5944446	7172988	1307281	rotatin	Rttm	291377	1,18	up
5820217	7172988	1307295	rotatin	Rttm	291377	1,18	down
5631239	7172988	1307300	rotatin	Rttm	291377	1,18	down
5721923	7172988	1307338	rotatin	Rttm	291377	1,18	down
6704981	7172988	1307322	rotatin	Rttm	291377	1,18	up
6119504	7172988	1307323	rotatin	Rttm	291377	1,15	up
6314831	7172988	1307320	rotatin	Rttm	291377	1,15	down
6694872	7172988	1307329	rotatin	Rttm	291377	1,12	up
6401481	7172988	1307309	rotatin	Rttm	291377	1,12	up
5716185	7172988	1307286	rotatin	Rttm	291377	1,11	down
5677197	7172988	1307299	rotatin	Rttm	291377	1,11	up
6159693	7172988	1307283	rotatin	Rttm	291377	1,11	down
6473318	7172988	1307339	rotatin	Rttm	291377	1,11	down
6394422	7172988	1307310	rotatin	Rttm	291377	1,10	up
5631632	7172988	1307320	rotatin	Rttm	291377	1,08	up
6459229	7172988	1307293	rotatin	Rttm	291377	1,07	up
6401014	7172988	1307339	rotatin	Rttm	291377	1,06	down
6361743	7172988	1307279	rotatin	Rttm	291377	1,06	up
6177745	7172988	1307302	rotatin	Rttm	291377	1,05	down
6596814	7172988	1307326	rotatin	Rttm	291377	1,04	up
6599752	7172988	1307337	rotatin	Rttm	291377	1,04	down
6083177	7172988	1307301	rotatin	Rttm	291377	1,02	up
6329517	7172988	1307334	rotatin	Rttm	291377	1,02	down
6737861	7172988	1307330	rotatin	Rttm	291377	1,01	down
5750036	7172988	1307287	rotatin	Rttm	291377	1,00	down
6561900	7172988	1307326	rotatin	Rttm	291377	1,00	down
6305761	7172988	1307317	rotatin	Rttm	291377	1,00	up
6225856	7090581	1104783	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,71	up
5952347	7090581	1104771	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,43	down
5825836	7090581	1104748	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,39	down
6608705	7090581	1104770	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,24	down
6531816	7090581	1104764	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,22	down
6069559	7090581	1104754	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,21	up
6092733	7090581	1104753	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,16	up
6703762	7090581	1104783	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,15	up
6711767	7090581	1104779	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,15	down
6189203	7090581	1104817	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,14	up
6100332	7090581	1104761	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,13	down
6394260	7090581	1104762	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,13	up
5862512	7090581	1104773	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,11	down
6127851	7090581	1104769	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,10	down
5699123	7090581	1104763	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,09	down
5682332	7090581	1104747	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,08	down
6379487	7090581	1104785	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,07	down
6440938	7090581	1104769	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,06	down
6471127	7090581	1104759	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,03	up
6242371	7090581	1104772	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,02	up
6510799	7090581	1104817	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,02	up
6518847	7090581	1104806	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,01	up
6290837	7090581	1104780	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,01	down
6437738	7090581	1104756	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,00	down
5722970	7090581	1104766	roundabout, axon guidance receptor, homolog 2 (Drosophila)	Robo2	84409	1,00	up
5726258	7179176	1322899	Rpgrip1-like	Rpgrip11	307724	2,24	up
6701594	7179176	1322910	Rpgrip1-like	Rpgrip11	307724	1,91	up
6114664	7179176	1322935	Rpgrip1-like	Rpgrip11	307724	1,88	down
5693456	7179176	1322919	Rpgrip1-like	Rpgrip11	307724	1,75	up
6046113	7179176	1322921	Rpgrip1-like	Rpgrip11	307724	1,69	up

6570949	7179176	1322902	Rpgrip1-like	Rpgrip1l	307724	1,68	up
6519283	7179176	1322901	Rpgrip1-like	Rpgrip1l	307724	1,54	down
5864677	7179176	1322937	Rpgrip1-like	Rpgrip1l	307724	1,47	down
5954307	7179176	1322924	Rpgrip1-like	Rpgrip1l	307724	1,41	up
5766042	7179176	1322922	Rpgrip1-like	Rpgrip1l	307724	1,38	up
6500852	7179176	1322925	Rpgrip1-like	Rpgrip1l	307724	1,37	up
6102345	7179176	1322904	Rpgrip1-like	Rpgrip1l	307724	1,33	up
6331534	7179176	1322928	Rpgrip1-like	Rpgrip1l	307724	1,27	down
5859446	7179176	1322914	Rpgrip1-like	Rpgrip1l	307724	1,25	up
6257047	7179176	1322920	Rpgrip1-like	Rpgrip1l	307724	1,22	down
5929726	7179176	1322916	Rpgrip1-like	Rpgrip1l	307724	1,19	down
5960361	7179176	1322923	Rpgrip1-like	Rpgrip1l	307724	1,19	up
6627731	7179176	1322913	Rpgrip1-like	Rpgrip1l	307724	1,17	down
6287537	7179176	1322907	Rpgrip1-like	Rpgrip1l	307724	1,16	down
6568632	7179176	1322932	Rpgrip1-like	Rpgrip1l	307724	1,15	down
5963729	7179176	1322935	Rpgrip1-like	Rpgrip1l	307724	1,14	up
5619414	7179176	1322910	Rpgrip1-like	Rpgrip1l	307724	1,14	up
6575172	7179176	1322938	Rpgrip1-like	Rpgrip1l	307724	1,12	down
5935416	7179176	1322917	Rpgrip1-like	Rpgrip1l	307724	1,09	up
6150850	7179176	1322912	Rpgrip1-like	Rpgrip1l	307724	1,08	up
6089431	7179176	1322906	Rpgrip1-like	Rpgrip1l	307724	1,08	down
5645038	7179176	1322906	Rpgrip1-like	Rpgrip1l	307724	1,05	down
6719921	7179176	1322938	Rpgrip1-like	Rpgrip1l	307724	1,03	up
5928505	7179176	1322926	Rpgrip1-like	Rpgrip1l	307724	1,01	up
6376531	7179176	1322918	Rpgrip1-like	Rpgrip1l	307724	1,01	down
6161737	7216994	1415180	RT1 class I, A3	RT1-A3	309627	2,32	down
6107740	7216994	1415182	RT1 class I, A3	RT1-A3	309627	1,18	down
6164431	7216994	1415184	RT1 class I, A3	RT1-A3	309627	1,07	up
5749895	7216994	1415183	RT1 class I, A3	RT1-A3	309627	1,01	up
6592279	7216994	1415199	RT1 class I, A3 /// RT1 class Ia, locus A1	RT1-A3 /// RT1-A1 309627 /// 24973		2,54	down
6359319	7216994	1415200	RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1 /// RT1 class Ia, locus A2	RT1-A3 /// RT1-A1 309627 /// 24973 /		1,16	up
6390118	7216994	1415203	RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1 /// RT1 class Ia, locus A2	RT1-A3 /// RT1-A1 309627 /// 24973 /		1,07	up
6558486	7220575	1424341	RT1 class I, CE1	RT1-CE1	309603	1,36	up
5810863	7216676	1414430	RT1 class I, CE10	RT1-CE10	414792	1,76	down
5757365	7216676	1414431	RT1 class I, CE10	RT1-CE10	414792	1,62	up
5683833	7216676	1414436	RT1 class I, CE10	RT1-CE10	414792	1,22	down
6021180	7216676	1414431	RT1 class I, CE10	RT1-CE10	414792	1,21	up
6392290	7216676	1414432	RT1 class I, CE10	RT1-CE10	414792	1,15	up
6193899	7216676	1414435	RT1 class I, CE10	RT1-CE10	414792	1,14	down
6535134	7216676	1414438	RT1 class I, CE10	RT1-CE10	414792	1,13	up
6484766	7216676	1414434	RT1 class I, CE10	RT1-CE10	414792	1,10	down
5997498	7216676	1414433	RT1 class I, CE10	RT1-CE10	414792	1,01	down
5760457	7216676	1414437	RT1 class I, CE10	RT1-CE10	414792	1,00	up
6501547	7224452	1433368	RT1 class I, CE11	RT1-CE11	414791	2,79	down
6306632	7224452	1433363	RT1 class I, CE11	RT1-CE11	414791	2,36	down
6418391	7224452	1433366	RT1 class I, CE11	RT1-CE11	414791	1,99	up
5791018	7224452	1433365	RT1 class I, CE11	RT1-CE11	414791	1,02	up
5951170	7224452	1433364	RT1 class I, CE11 /// RT1 class I, CE7	RT1-CE11 /// RT1-CI 414791 /// 368153		4,19	up
6611280	7216676	1414421	RT1 class I, CE11 /// RT1 class I, CE7	RT1-CE11 /// RT1-CI 414791 /// 368153		2,40	down
5655738	7224452	1433362	RT1 class I, CE11 /// RT1 class I, CE7	RT1-CE11 /// RT1-CI 414791 /// 368153		2,13	down
6366394	7216676	1414423	RT1 class I, CE11 /// RT1 class I, CE7	RT1-CE11 /// RT1-CI 414791 /// 368153		1,84	up
5744477	7216676	1414422	RT1 class I, CE11 /// RT1 class I, CE7	RT1-CE11 /// RT1-CI 414791 /// 368153		1,25	up
5812397	7224458	1433374	RT1 class I, CE12 /// RT1 class I, CE1	RT1-CE12 /// RT1-CI 309600 /// 309603		4,90	down
5947647	7220575	1424346	RT1 class I, CE12 /// RT1 class I, CE1	RT1-CE12 /// RT1-CI 309600 /// 309603		3,74	down
5631415	7220575	1424342	RT1 class I, CE12 /// RT1 class I, CE1	RT1-CE12 /// RT1-CI 309600 /// 309603		1,95	down
5739283	7224458	1433377	RT1 class I, CE12 /// RT1 class I, CE1	RT1-CE12 /// RT1-CI 309600 /// 309603		1,68	down
6631219	7224458	1433376	RT1 class I, CE12 /// RT1 class I, CE1	RT1-CE12 /// RT1-CI 309600 /// 309603		1,48	up

6677804	7220575	1424343	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,39	up
6077361	7220575	1424345	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,23	down
6191641	7220575	1424340	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,22	up
5694781	7224458	1433375	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,17	up
6567436	7220575	1424344	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,15	down
6449932	7224458	1433378	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,13	down
6503026	7224458	1433379	RT1 class I, CE12 /// RT1 class I, CE1	Γ1-CE12 /// RT1-CI 309600 /// 309603	1,04	up
5726291	7224429	1433327	RT1 class I, CE13	RT1-CE13 414790	3,84	down
6433164	7224429	1433332	RT1 class I, CE13	RT1-CE13 414790	2,29	down
6530313	7224429	1433330	RT1 class I, CE13	RT1-CE13 414790	2,16	up
5974309	7224429	1433329	RT1 class I, CE13	RT1-CE13 414790	1,42	down
6480762	7224429	1433326	RT1 class I, CE13	RT1-CE13 414790	1,39	down
6512034	7224429	1433329	RT1 class I, CE13	RT1-CE13 414790	1,20	up
6095052	7224429	1433331	RT1 class I, CE13	RT1-CE13 414790	1,15	down
6154595	7224429	1433328	RT1 class I, CE13	RT1-CE13 414790	1,10	up
5875739	7224429	1433337	RT1 class I, CE14	RT1-CE14 414270	2,55	up
6728037	7224429	1433335	RT1 class I, CE14	RT1-CE14 414270	2,37	down
6645381	7224429	1433333	RT1 class I, CE14	RT1-CE14 414270	2,03	up
5840800	7224429	1433334	RT1 class I, CE14	RT1-CE14 414270	1,76	down
6309097	7224429	1433333	RT1 class I, CE14	RT1-CE14 414270	1,56	up
6703942	7224429	1433335	RT1 class I, CE14	RT1-CE14 414270	1,35	up
5627628	7224429	1433336	RT1 class I, CE14	RT1-CE14 414270	1,27	up
6715287	7224511	1433493	RT1 class I, CE15	RT1-CE15 414789	4,51	down
6183578	7224511	1433488	RT1 class I, CE15	RT1-CE15 414789	3,02	up
6149192	7224511	1433494	RT1 class I, CE15	RT1-CE15 414789	2,16	down
5883384	7224511	1433492	RT1 class I, CE15	RT1-CE15 414789	1,57	up
6423532	7224511	1433491	RT1 class I, CE15	RT1-CE15 414789	1,37	down
5886649	7224511	1433489	RT1 class I, CE15	RT1-CE15 414789	1,36	down
5967519	7224511	1433490	RT1 class I, CE15	RT1-CE15 414789	1,28	down
5816043	7220541	1424280	RT1 class I, CE15 /// RT1 class I, CE4	Γ1-CE15 /// RT1-CI 414789 /// 414783	2,66	up
5984837	7220541	1424282	RT1 class I, CE15 /// RT1 class I, CE4	Γ1-CE15 /// RT1-CI 414789 /// 414783	1,23	up
6555679	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	3,87	down
6411112	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	2,72	down
6649632	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	1,85	down
5738295	7224499	1433472	RT1 class I, CE16	RT1-CE16 414819	1,83	up
6363272	7224499	1433471	RT1 class I, CE16	RT1-CE16 414819	1,73	down
5807453	7224499	1433475	RT1 class I, CE16	RT1-CE16 414819	1,57	down
6404629	7224499	1433469	RT1 class I, CE16	RT1-CE16 414819	1,51	up
5634031	7224499	1433474	RT1 class I, CE16	RT1-CE16 414819	1,29	up
5744921	7224499	1433476	RT1 class I, CE16	RT1-CE16 414819	1,01	down
6634328	7224499	1433470	RT1 class I, CE16 /// RT1 class Ib, locus Aw2	Γ1-CE16 /// RT1-A _v 414819 /// 24737	1,73	up
6643385	7224499	1433473	RT1 class I, CE16 /// RT1 class Ib, locus Aw2	Γ1-CE16 /// RT1-A _v 414819 /// 24737	1,19	up
5838823	7220569	1424332	RT1 class I, CE2	RT1-CE2 414779	2,80	down
6514838	7220569	1424333	RT1 class I, CE2	RT1-CE2 414779	2,37	down
6620468	7220569	1424334	RT1 class I, CE2	RT1-CE2 414779	1,60	down
5688505	7220569	1424331	RT1 class I, CE2	RT1-CE2 414779	1,60	up
6333024	7220569	1424330	RT1 class I, CE2	RT1-CE2 414779	1,47	up
5966774	7220569	1424329	RT1 class I, CE2	RT1-CE2 414779	1,42	up
5712333	7220557	1424313	RT1 class I, CE3	RT1-CE3 414793	2,78	down
6164285	7220557	1424309	RT1 class I, CE3	RT1-CE3 414793	2,46	down
6080207	7220557	1424313	RT1 class I, CE3	RT1-CE3 414793	2,41	up
5662898	7220557	1424312	RT1 class I, CE3	RT1-CE3 414793	1,95	down
6049840	7220557	1424311	RT1 class I, CE3	RT1-CE3 414793	1,59	up
5985707	7220557	1424314	RT1 class I, CE3	RT1-CE3 414793	1,30	up
6486976	7220557	1424310	RT1 class I, CE3	RT1-CE3 414793	1,20	down
6594645	7220541	1424286	RT1 class I, CE4	RT1-CE4 414783	4,07	down
6124998	7220541	1424284	RT1 class I, CE4	RT1-CE4 414783	2,41	up

5824526	7220541	1424282	RT1 class I, CE4	RT1-CE4	414783	2,38	down
5717103	7220541	1424285	RT1 class I, CE4	RT1-CE4	414783	1,86	down
5781096	7220541	1424283	RT1 class I, CE4	RT1-CE4	414783	1,15	up
6476362	7220541	1424281	RT1 class I, CE4	RT1-CE4	414783	1,15	down
6169067	7220541	1424279	RT1 class I, CE5	RT1-CE5	309607	1,52	down
5817745	7220541	1424278	RT1 class I, CE5	RT1-CE5	309607	1,49	up
6379175	7220541	1424275	RT1 class I, CE5	RT1-CE5	309607	1,30	up
6495343	7220541	1424277	RT1 class I, CE5	RT1-CE5	309607	1,28	up
6639078	7220541	1424275	RT1 class I, CE5	RT1-CE5	309607	1,25	up
6167766	7220541	1424278	RT1 class I, CE5	RT1-CE5	309607	1,23	up
6343495	7220541	1424276	RT1 class I, CE5	RT1-CE5	309607	1,23	down
5681011	7220541	1424274	RT1 class I, CE5	RT1-CE5	309607	1,11	down
6026371	7220541	1424272	RT1 class I, CE5 /// MHC class I RT1.Aa alpha-chain	RT1-CE5 /// Rt1.aa09607 /// 10018893		1,45	down
6179965	7216676	1414425	RT1 class I, CE7	RT1-CE7	368153	3,81	up
5980405	7216676	1414427	RT1 class I, CE7	RT1-CE7	368153	1,79	down
6222885	7216676	1414424	RT1 class I, CE7	RT1-CE7	368153	1,40	down
6680965	7216676	1414426	RT1 class I, CE7	RT1-CE7	368153	1,15	up
6291131	7216345	1413805	RT1 class I, M6, gene 1	RT1-M6-1	414785	1,31	down
6150825	7216345	1413804	RT1 class I, M6, gene 1	RT1-M6-1	414785	1,05	down
6533026	7216347	1413813	RT1 class I, M6, gene 2	RT1-M6-2	365527	2,00	up
6538351	7216347	1413813	RT1 class I, M6, gene 2	RT1-M6-2	365527	1,99	up
5895484	7216347	1413814	RT1 class I, M6, gene 2	RT1-M6-2	365527	1,58	down
6336185	7216347	1413812	RT1 class I, M6, gene 2	RT1-M6-2	365527	1,21	up
6379848	7216347	1413811	RT1 class I, M6, gene 2	RT1-M6-2	365527	1,11	down
6691676	7216347	1413811	RT1 class I, M6, gene 2	RT1-M6-2	365527	1,09	down
5950815	7216347	1413810	RT1 class I, M6, gene 2	RT1-M6-2	365527	1,03	down
5830104	7216345	1413806	RT1 class I, M6, gene 2 /// RT1 class I, M6, gene 1	RT1-M6-2 /// RT1-M6-1	365527 /// 414785	2,18	up
5834956	7216347	1413810	RT1 class I, M6, gene 2 /// RT1 class I, M6, gene 1	RT1-M6-2 /// RT1-M6-1	365527 /// 414785	1,68	down
6387428	7216345	1413803	RT1 class I, M6, gene 2 /// RT1 class I, M6, gene 1	RT1-M6-2 /// RT1-M6-1	365527 /// 414785	1,55	up
5707528	7216345	1413808	RT1 class I, M6, gene 2 /// RT1 class I, M6, gene 1	RT1-M6-2 /// RT1-M6-1	365527 /// 414785	1,29	down
6463583	7216347	1413815	RT1 class I, M6, gene 2 /// RT1 class I, M6, gene 1	RT1-M6-2 /// RT1-M6-1	365527 /// 414785	1,06	down
6247217	7216345	1413807	RT1 class I, M6, gene 2 /// RT1 class I, M6, gene 1	RT1-M6-2 /// RT1-M6-1	365527 /// 414785	1,02	up
6130573	7216994	1415197	RT1 class Ia, locus A1	RT1-A1	24973	2,63	down
6700370	7216994	1415198	RT1 class Ia, locus A1	RT1-A1	24973	1,20	up
6651777	7216994	1415181	RT1 class Ia, locus A1 /// RT1 class I, A3	RT1-A1 /// RT1-A3	24973 /// 309627	1,43	up
5877298	7216994	1415188	RT1 class Ia, locus A2	RT1-A2	24974	3,37	down
6373267	7216994	1415189	RT1 class Ia, locus A2	RT1-A2	24974	1,37	down
5680755	7216994	1415190	RT1 class Ia, locus A2	RT1-A2	24974	1,19	down
6430464	7216994	1415191	RT1 class Ia, locus A2	RT1-A2	24974	1,15	down
6671509	7216994	1415192	RT1 class Ia, locus A2 /// MHC class I RT1.Aa alpha-chain /// RT1 class I, A3 /// RT1 class Ib, locus A3	RT1-A2 /// RT1-A3	24974 /// 309627	1,15	up
5715677	7216994	1415196	RT1 class Ia, locus A2 /// RT1 class I, A3	RT1-A2 /// RT1-A3	24974 /// 309627	3,21	down
6255552	7216994	1415194	RT1 class Ia, locus A2 /// RT1 class I, A3	RT1-A2 /// RT1-A3	24974 /// 309627	1,52	up
6659124	7216994	1415193	RT1 class Ia, locus A2 /// RT1 class I, A3	RT1-A2 /// RT1-A3	24974 /// 309627	1,10	down
5875968	7216994	1415196	RT1 class Ia, locus A2 /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1	RT1-A2 /// RT1-A3	24974 /// 309627	1,31	up
5749495	7216994	1415195	RT1 class Ia, locus A2 /// RT1 class I, A3 /// RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1	RT1-A2 /// RT1-A3	24974 /// 309627	1,16	up
6468280	7216519	1414135	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,78	up
6095429	7216519	1414141	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,46	down
6357891	7216519	1414141	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,33	down
5985060	7216519	1414138	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,31	down
6494761	7216519	1414134	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,28	up
5710457	7216519	1414134	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,14	up
6333672	7216519	1414140	RT1 class Ib gene, H2-TL-like, grc region (N3)	RT1-N3	24750	1,03	up
5942958	7216519	1414139	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, grc region (N1)	RT1-N3 /// RT1-N1	24750 /// 24748	1,05	down
6325929	7216519	1414136	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, grc region (N2) /// N3	RT1-N3 /// RT1-N2	24750 /// 360323	2,35	up
6339954	7216519	1414137	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, grc region (N2) /// N3	RT1-N3 /// RT1-N2	24750 /// 360323	1,37	up
5710613	7216519	1414136	RT1 class Ib gene, H2-TL-like, grc region (N3) /// RT1 class Ib gene, H2-TL-like, grc region (N2) /// N3	RT1-N3 /// RT1-N2	24750 /// 360323	1,06	up
6396165	7220557	1424308	RT1 class Ib, locus Aw2 /// RT1 class I, A3 /// RT1 class I, CE3	RT1-Aw2 /// RT1-A3	309627 /// 414785	1,73	up

6077325	7224452	1433367	RT1 class Ib, locus Aw2 /// RT1 class I, CE11	Γ1-Aw2 /// RT1-CE 24737 /// 414791	1,14	up
6663729	7220541	1424273	RT1 class Ib, locus Aw2 /// RT1 class I, CE5	T1-Aw2 /// RT1-CE 24737 /// 309607	1,11	up
6434473	7216994	1415202	RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1	†T1-Aw2 /// RT1-A 24737 /// 24973	1,90	up
6724248	7216994	1415201	RT1 class Ib, locus Aw2 /// RT1 class Ia, locus A1	‡T1-Aw2 /// RT1-A 24737 /// 24973	1,45	up
6736861	7216508	1414116	RT1 class Ib, locus H2-Q-like, grc region /// RT1 class Ib, locus H2-TL-like (S2)	RT1-O /// RT1-S2 24751 /// 24994	1,52	up
6394076	7216508	1414116	RT1 class Ib, locus H2-Q-like, grc region /// RT1 class Ib, locus H2-TL-like (S2)	RT1-O /// RT1-S2 24751 /// 24994	1,09	down
6624083	7216508	1414118	RT1 class Ib, locus H2-Q-like, grc region /// RT1 class Ib, locus H2-TL-like (S2)	RT1-O /// RT1-S2 24751 /// 24994	1,08	up
6111134	7216508	1414119	RT1 class Ib, locus H2-TL-like (S2)	RT1-S2 24994	2,09	down
5757699	7216508	1414115	RT1 class Ib, locus H2-TL-like (S2)	RT1-S2 24994	1,25	down
6614552	7216508	1414117	RT1 class Ib, locus H2-TL-like (S2)	RT1-S2 24994	1,15	down
6352043	7220882	1424994	RT1 class II, locus Bb	RT1-Bb 309622	4,94	down
6703260	7220882	1424990	RT1 class II, locus Bb	RT1-Bb 309622	1,53	up
6602804	7220882	1424995	RT1 class II, locus Bb	RT1-Bb 309622	1,42	down
6636314	7220882	1424994	RT1 class II, locus Bb	RT1-Bb 309622	1,21	down
6678801	7220882	1424993	RT1 class II, locus Bb	RT1-Bb 309622	1,17	down
6218459	7124152	1187340	RUN and FYVE domain containing 3	Rufy3 360921	2,21	up
6183218	7124152	1187337	RUN and FYVE domain containing 3	Rufy3 360921	1,71	down
6321490	7124152	1187350	RUN and FYVE domain containing 3	Rufy3 360921	1,30	down
6007576	7124152	1187338	RUN and FYVE domain containing 3	Rufy3 360921	1,27	up
6115691	7124152	1187344	RUN and FYVE domain containing 3	Rufy3 360921	1,26	up
5820017	7124152	1187349	RUN and FYVE domain containing 3	Rufy3 360921	1,24	down
6179248	7124152	1187349	RUN and FYVE domain containing 3	Rufy3 360921	1,23	down
5673220	7124152	1187346	RUN and FYVE domain containing 3	Rufy3 360921	1,16	up
6548103	7124152	1187343	RUN and FYVE domain containing 3	Rufy3 360921	1,13	up
5825966	7124152	1187347	RUN and FYVE domain containing 3	Rufy3 360921	1,13	down
6088776	7124152	1187339	RUN and FYVE domain containing 3	Rufy3 360921	1,12	up
6569550	7124152	1187348	RUN and FYVE domain containing 3	Rufy3 360921	1,07	down
6154153	7124152	1187341	RUN and FYVE domain containing 3	Rufy3 360921	1,06	down
6612413	7124152	1187342	RUN and FYVE domain containing 3	Rufy3 360921	1,01	up
6521713	7124152	1187345	RUN and FYVE domain containing 3	Rufy3 360921	1,01	down
5693104	7091840	1107445	runt related transcription factor 1	Runx1 50662	2,02	up
6078366	7091840	1107444	runt related transcription factor 1	Runx1 50662	1,94	down
5787151	7091840	1107443	runt related transcription factor 1	Runx1 50662	1,79	up
6682291	7091840	1107442	runt related transcription factor 1	Runx1 50662	1,73	up
5627566	7091840	1107441	runt related transcription factor 1	Runx1 50662	1,54	down
5769943	7091840	1107439	runt related transcription factor 1	Runx1 50662	1,27	down
5775231	7091840	1107440	runt related transcription factor 1	Runx1 50662	1,06	down
6420235	7255986	1512361	RuvB-like 1 (E. coli)	Ruvbl1 65137	2,17	up
5641214	7255986	1512354	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,79	down
6420245	7255986	1512363	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,68	down
6669555	7255986	1512360	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,51	up
5742025	7255986	1512355	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,35	up
6302574	7255986	1512358	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,24	up
5889192	7255986	1512357	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,17	up
5887086	7255986	1512362	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,14	down
5678120	7255986	1512356	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,09	down
6164445	7255986	1512353	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,05	down
6485705	7255986	1512352	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,01	down
6012501	7255986	1512359	RuvB-like 1 (E. coli)	Ruvbl1 65137	1,01	down
6679144	7159036	1272868	ryanodine receptor 2, cardiac	Ryr2 689560	2,54	up
5655286	7159036	1272881	ryanodine receptor 2, cardiac	Ryr2 689560	2,02	down
6178329	7159036	1272938	ryanodine receptor 2, cardiac	Ryr2 689560	2,01	down
6612419	7159036	1272917	ryanodine receptor 2, cardiac	Ryr2 689560	1,98	up
6125721	7159036	1272854	ryanodine receptor 2, cardiac	Ryr2 689560	1,85	down
6190212	7159036	1272891	ryanodine receptor 2, cardiac	Ryr2 689560	1,84	down
5792795	7159036	1272876	ryanodine receptor 2, cardiac	Ryr2 689560	1,74	up
6570560	7159036	1272905	ryanodine receptor 2, cardiac	Ryr2 689560	1,73	down

6115602	7159036	1272930	ryanodine receptor 2, cardiac	Ryr2	689560	1,66	up
5918277	7159036	1272918	ryanodine receptor 2, cardiac	Ryr2	689560	1,52	up
6202779	7159036	1272901	ryanodine receptor 2, cardiac	Ryr2	689560	1,52	down
5897452	7159036	1272873	ryanodine receptor 2, cardiac	Ryr2	689560	1,51	down
6174369	7159036	1272887	ryanodine receptor 2, cardiac	Ryr2	689560	1,50	down
6527299	7159036	1272888	ryanodine receptor 2, cardiac	Ryr2	689560	1,49	down
6663218	7159036	1272910	ryanodine receptor 2, cardiac	Ryr2	689560	1,46	down
6277971	7159036	1272930	ryanodine receptor 2, cardiac	Ryr2	689560	1,45	up
6511780	7159036	1272832	ryanodine receptor 2, cardiac	Ryr2	689560	1,44	down
6158697	7159036	1272893	ryanodine receptor 2, cardiac	Ryr2	689560	1,44	down
6039882	7159036	1272915	ryanodine receptor 2, cardiac	Ryr2	689560	1,43	up
6032480	7159036	1272864	ryanodine receptor 2, cardiac	Ryr2	689560	1,43	up
5632943	7159036	1272928	ryanodine receptor 2, cardiac	Ryr2	689560	1,41	up
6316451	7159036	1272886	ryanodine receptor 2, cardiac	Ryr2	689560	1,41	down
5663894	7159036	1272952	ryanodine receptor 2, cardiac	Ryr2	689560	1,41	up
6328370	7159036	1272849	ryanodine receptor 2, cardiac	Ryr2	689560	1,39	up
6235702	7159036	1272900	ryanodine receptor 2, cardiac	Ryr2	689560	1,37	up
5817121	7159036	1272925	ryanodine receptor 2, cardiac	Ryr2	689560	1,36	down
6645022	7159036	1272920	ryanodine receptor 2, cardiac	Ryr2	689560	1,36	up
6492325	7159036	1272831	ryanodine receptor 2, cardiac	Ryr2	689560	1,31	up
6708151	7159036	1272940	ryanodine receptor 2, cardiac	Ryr2	689560	1,31	down
6675983	7159036	1272861	ryanodine receptor 2, cardiac	Ryr2	689560	1,30	down
6046470	7159036	1272908	ryanodine receptor 2, cardiac	Ryr2	689560	1,29	down
6679202	7159036	1272959	ryanodine receptor 2, cardiac	Ryr2	689560	1,29	up
6667470	7159036	1272946	ryanodine receptor 2, cardiac	Ryr2	689560	1,26	down
5998126	7159036	1272896	ryanodine receptor 2, cardiac	Ryr2	689560	1,26	down
5626854	7159036	1272844	ryanodine receptor 2, cardiac	Ryr2	689560	1,25	up
5680237	7159036	1272899	ryanodine receptor 2, cardiac	Ryr2	689560	1,24	down
6517425	7159036	1272850	ryanodine receptor 2, cardiac	Ryr2	689560	1,24	down
6100508	7159036	1272931	ryanodine receptor 2, cardiac	Ryr2	689560	1,24	up
6387416	7159036	1272829	ryanodine receptor 2, cardiac	Ryr2	689560	1,24	down
5760312	7159036	1272857	ryanodine receptor 2, cardiac	Ryr2	689560	1,21	up
6155678	7159036	1272874	ryanodine receptor 2, cardiac	Ryr2	689560	1,21	up
6664195	7159036	1272882	ryanodine receptor 2, cardiac	Ryr2	689560	1,20	down
5933313	7159036	1272960	ryanodine receptor 2, cardiac	Ryr2	689560	1,19	up
5980869	7159036	1272906	ryanodine receptor 2, cardiac	Ryr2	689560	1,17	down
6648432	7159036	1272875	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	down
6531330	7159036	1272895	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	down
6704188	7159036	1272870	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	down
6324210	7159036	1272912	ryanodine receptor 2, cardiac	Ryr2	689560	1,16	down
6678589	7159036	1272834	ryanodine receptor 2, cardiac	Ryr2	689560	1,15	up
6037821	7159036	1272848	ryanodine receptor 2, cardiac	Ryr2	689560	1,15	up
6213046	7159036	1272950	ryanodine receptor 2, cardiac	Ryr2	689560	1,15	up
6574857	7159036	1272959	ryanodine receptor 2, cardiac	Ryr2	689560	1,15	up
6142949	7159036	1272879	ryanodine receptor 2, cardiac	Ryr2	689560	1,14	up
6587082	7159036	1272919	ryanodine receptor 2, cardiac	Ryr2	689560	1,14	up
6133232	7159036	1272859	ryanodine receptor 2, cardiac	Ryr2	689560	1,14	up
5974989	7159036	1272841	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	down
6239513	7159036	1272944	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	up
6362911	7159036	1272897	ryanodine receptor 2, cardiac	Ryr2	689560	1,13	down
5809861	7159036	1272926	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	up
6571054	7159036	1272880	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	down
6383100	7159036	1272846	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	down
6577990	7159036	1272885	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	down
5962929	7159036	1272951	ryanodine receptor 2, cardiac	Ryr2	689560	1,12	up
6420753	7159036	1272894	ryanodine receptor 2, cardiac	Ryr2	689560	1,11	up
5970935	7159036	1272884	ryanodine receptor 2, cardiac	Ryr2	689560	1,11	up

5895094	7159036	1272863	ryanodine receptor 2, cardiac	Ryr2	689560	1,11	up
6574916	7159036	1272892	ryanodine receptor 2, cardiac	Ryr2	689560	1,11	down
6374258	7159036	1272903	ryanodine receptor 2, cardiac	Ryr2	689560	1,11	down
6276147	7159036	1272868	ryanodine receptor 2, cardiac	Ryr2	689560	1,10	up
6436789	7159036	1272822	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	down
6045636	7159036	1272902	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
5834338	7159036	1272851	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
6425704	7159036	1272916	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
6088439	7159036	1272924	ryanodine receptor 2, cardiac	Ryr2	689560	1,09	up
6745157	7159036	1272845	ryanodine receptor 2, cardiac	Ryr2	689560	1,08	down
6237289	7159036	1272874	ryanodine receptor 2, cardiac	Ryr2	689560	1,08	down
5870401	7159036	1272869	ryanodine receptor 2, cardiac	Ryr2	689560	1,08	up
5762180	7159036	1272879	ryanodine receptor 2, cardiac	Ryr2	689560	1,07	down
6666938	7159036	1272939	ryanodine receptor 2, cardiac	Ryr2	689560	1,07	down
5748587	7159036	1272923	ryanodine receptor 2, cardiac	Ryr2	689560	1,07	up
6594534	7159036	1272856	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	up
6427436	7159036	1272871	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	down
6158682	7159036	1272809	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	up
5856494	7159036	1272964	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	down
6075726	7159036	1272878	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	down
5666084	7159036	1272968	ryanodine receptor 2, cardiac	Ryr2	689560	1,06	up
6365816	7159036	1272968	ryanodine receptor 2, cardiac	Ryr2	689560	1,05	up
5922565	7159036	1272877	ryanodine receptor 2, cardiac	Ryr2	689560	1,05	up
6216987	7159036	1272967	ryanodine receptor 2, cardiac	Ryr2	689560	1,05	up
5717967	7159036	1272914	ryanodine receptor 2, cardiac	Ryr2	689560	1,04	up
6265808	7159036	1272945	ryanodine receptor 2, cardiac	Ryr2	689560	1,04	down
6211506	7159036	1272862	ryanodine receptor 2, cardiac	Ryr2	689560	1,04	up
6654096	7159036	1272911	ryanodine receptor 2, cardiac	Ryr2	689560	1,03	down
5663251	7159036	1272934	ryanodine receptor 2, cardiac	Ryr2	689560	1,03	up
6513513	7159036	1272942	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
5862096	7159036	1272889	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
5787593	7159036	1272883	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
6228502	7159036	1272966	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
6565605	7159036	1272949	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
5687873	7159036	1272898	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
6181511	7159036	1272953	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
5930001	7159036	1272954	ryanodine receptor 2, cardiac	Ryr2	689560	1,02	up
6194065	7159036	1272913	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	down
5719745	7159036	1272890	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	up
6363399	7159036	1272840	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	down
6439347	7159036	1272865	ryanodine receptor 2, cardiac	Ryr2	689560	1,01	down
5793875	7159036	1272933	ryanodine receptor 2, cardiac	Ryr2	689560	1,00	down
6468287	7137751	1220589	sal-like 2 (Drosophila)	Sall2	305854	2,26	up
6651075	7137751	1220580	sal-like 2 (Drosophila)	Sall2	305854	1,80	up
6012332	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,50	down
6529539	7137751	1220581	sal-like 2 (Drosophila)	Sall2	305854	1,48	up
6332916	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,30	down
5720623	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,28	up
6702694	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,22	down
5697457	7137751	1220583	sal-like 2 (Drosophila)	Sall2	305854	1,22	down
5934482	7137751	1220582	sal-like 2 (Drosophila)	Sall2	305854	1,21	down
6456854	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,12	down
6012130	7137751	1220582	sal-like 2 (Drosophila)	Sall2	305854	1,08	up
6238190	7137751	1220584	sal-like 2 (Drosophila)	Sall2	305854	1,06	down
6707420	7319773	1671880	SAPS domain family, member 2	Saps2	300146	2,23	up
5987450	7319773	1671860	SAPS domain family, member 2	Saps2	300146	1,81	down
6314357	7319773	1671851	SAPS domain family, member 2	Saps2	300146	1,61	down

5833309	7319773	1671859	SAPS domain family, member 2	Saps2	300146	1,37	down
6711764	7319773	1671879	SAPS domain family, member 2	Saps2	300146	1,33	up
6417543	7319773	1671858	SAPS domain family, member 2	Saps2	300146	1,32	up
6006669	7319773	1671849	SAPS domain family, member 2	Saps2	300146	1,31	up
6681010	7319773	1671876	SAPS domain family, member 2	Saps2	300146	1,29	down
6404082	7319773	1671874	SAPS domain family, member 2	Saps2	300146	1,29	up
5926047	7319773	1671867	SAPS domain family, member 2	Saps2	300146	1,28	down
6661688	7319773	1671874	SAPS domain family, member 2	Saps2	300146	1,25	up
6731636	7319773	1671854	SAPS domain family, member 2	Saps2	300146	1,24	up
6102934	7319773	1671877	SAPS domain family, member 2	Saps2	300146	1,20	up
6462165	7319773	1671876	SAPS domain family, member 2	Saps2	300146	1,19	up
6583392	7319773	1671865	SAPS domain family, member 2	Saps2	300146	1,17	down
6276144	7319773	1671875	SAPS domain family, member 2	Saps2	300146	1,17	up
5767427	7319773	1671858	SAPS domain family, member 2	Saps2	300146	1,15	down
6627102	7319773	1671853	SAPS domain family, member 2	Saps2	300146	1,14	down
6025633	7319773	1671862	SAPS domain family, member 2	Saps2	300146	1,12	down
5893885	7319773	1671881	SAPS domain family, member 2	Saps2	300146	1,11	up
5638146	7319773	1671871	SAPS domain family, member 2	Saps2	300146	1,08	up
5936175	7319773	1671863	SAPS domain family, member 2	Saps2	300146	1,06	down
6502728	7319773	1671852	SAPS domain family, member 2	Saps2	300146	1,05	down
6111713	7319773	1671869	SAPS domain family, member 2	Saps2	300146	1,05	up
6482375	7319773	1671864	SAPS domain family, member 2	Saps2	300146	1,05	up
5647723	7319773	1671868	SAPS domain family, member 2	Saps2	300146	1,04	up
6086856	7319773	1671866	SAPS domain family, member 2	Saps2	300146	1,04	up
6557524	7319773	1671878	SAPS domain family, member 2	Saps2	300146	1,03	up
5764437	7319773	1671873	SAPS domain family, member 2	Saps2	300146	1,02	down
6552116	7319773	1671872	SAPS domain family, member 2	Saps2	300146	1,00	down
5925242	7146082	1240838	sarcoglycan zeta	Sgcz	364605	1,62	up
5754825	7146082	1240843	sarcoglycan zeta	Sgcz	364605	1,50	up
5899297	7146082	1240851	sarcoglycan zeta	Sgcz	364605	1,47	up
6258149	7146082	1240847	sarcoglycan zeta	Sgcz	364605	1,19	down
5957339	7146082	1240828	sarcoglycan zeta	Sgcz	364605	1,18	up
5681804	7146082	1240852	sarcoglycan zeta	Sgcz	364605	1,16	down
6068629	7146082	1240851	sarcoglycan zeta	Sgcz	364605	1,10	down
6456028	7146082	1240849	sarcoglycan zeta	Sgcz	364605	1,04	down
5757913	7146082	1240838	sarcoglycan zeta	Sgcz	364605	1,02	down
5887018	7146082	1240834	sarcoglycan zeta	Sgcz	364605	1,02	down
6197136	7146082	1240803	sarcoglycan zeta	Sgcz	364605	1,00	up
5808140	7149614	1249979	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	2,58	up
5728100	7149614	1249970	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,68	up
6359488	7149614	1249978	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,24	up
5945137	7149614	1249976	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,23	down
5772568	7149614	1249975	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,12	up
6626965	7149614	1249971	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,10	down
6297874	7149614	1249979	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,09	down
5780362	7149614	1249971	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,09	down
5991302	7149614	1249969	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,07	up
6563067	7149614	1249977	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,04	down
5857299	7149614	1249972	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,03	up
6480099	7149614	1249974	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,02	up
6172589	7149614	1249973	sarcoma antigen NY-SAR-48	Ny-sar-48	290626	1,02	up
5809365	7351515	1748601	SATB homeobox 1	Satb1	316164	2,20	up
6001696	7351515	1748592	SATB homeobox 1	Satb1	316164	2,15	up
5901930	7351515	1748591	SATB homeobox 1	Satb1	316164	1,84	up
6647660	7351515	1748592	SATB homeobox 1	Satb1	316164	1,66	up
6174382	7351515	1748601	SATB homeobox 1	Satb1	316164	1,55	up
5676044	7351515	1748595	SATB homeobox 1	Satb1	316164	1,43	down

5661827	7351515	1748596	SATB homeobox 1	Satb1	316164	1,33	down
5776977	7351515	1748600	SATB homeobox 1	Satb1	316164	1,29	down
5759843	7351515	1748594	SATB homeobox 1	Satb1	316164	1,17	down
6302607	7351515	1748597	SATB homeobox 1	Satb1	316164	1,17	down
6390645	7351515	1748598	SATB homeobox 1	Satb1	316164	1,17	down
5732633	7351515	1748596	SATB homeobox 1	Satb1	316164	1,14	down
6042670	7351515	1748602	SATB homeobox 1	Satb1	316164	1,12	down
5855876	7351515	1748593	SATB homeobox 1	Satb1	316164	1,07	up
5693912	7351515	1748599	SATB homeobox 1	Satb1	316164	1,06	up
5777098	7351515	1748592	SATB homeobox 1	Satb1	316164	1,04	down
6668022	7351515	1748592	SATB homeobox 1	Satb1	316164	1,02	up
5815080	7351515	1748597	SATB homeobox 1	Satb1	316164	1,01	down
6726230	7069724	1055341	scavenger receptor class F, member 1	Scarf1	303313	2,11	up
5861888	7069724	1055335	scavenger receptor class F, member 1	Scarf1	303313	1,50	down
6338512	7069724	1055338	scavenger receptor class F, member 1	Scarf1	303313	1,43	up
6442689	7069724	1055340	scavenger receptor class F, member 1	Scarf1	303313	1,25	down
6030797	7069724	1055340	scavenger receptor class F, member 1	Scarf1	303313	1,20	down
6735517	7069724	1055341	scavenger receptor class F, member 1	Scarf1	303313	1,19	down
6042050	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,16	up
6356619	7069724	1055334	scavenger receptor class F, member 1	Scarf1	303313	1,16	up
6542940	7069724	1055342	scavenger receptor class F, member 1	Scarf1	303313	1,13	up
5728958	7069724	1055343	scavenger receptor class F, member 1	Scarf1	303313	1,11	up
6129881	7069724	1055343	scavenger receptor class F, member 1	Scarf1	303313	1,10	down
6270032	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,09	down
5884726	7069724	1055339	scavenger receptor class F, member 1	Scarf1	303313	1,08	down
5822971	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,07	up
6635766	7069724	1055336	scavenger receptor class F, member 1	Scarf1	303313	1,03	up
6021537	7069724	1055340	scavenger receptor class F, member 1	Scarf1	303313	1,03	up
6054612	7069724	1055338	scavenger receptor class F, member 1	Scarf1	303313	1,02	down
6204220	7069724	1055333	scavenger receptor class F, member 1	Scarf1	303313	1,01	down
6134537	7069724	1055333	scavenger receptor class F, member 1	Scarf1	303313	1,01	up
5623125	7097485	1120950	scavenger receptor cysteine rich domain containing, group B (4 domains)	Srcrib4d	304401	1,13	up
6388472	7097485	1120946	scavenger receptor cysteine rich domain containing, group B (4 domains)	Srcrib4d	304401	1,00	down
6167797	7143144	1233901	Scm-like with four mbt domains 1	Sfmbt1	58967	2,14	down
5657996	7143144	1233916	Scm-like with four mbt domains 1	Sfmbt1	58967	1,62	down
6457630	7143144	1233913	Scm-like with four mbt domains 1	Sfmbt1	58967	1,55	down
6607956	7143144	1233896	Scm-like with four mbt domains 1	Sfmbt1	58967	1,50	down
6043874	7143144	1233905	Scm-like with four mbt domains 1	Sfmbt1	58967	1,46	up
5753974	7143144	1233912	Scm-like with four mbt domains 1	Sfmbt1	58967	1,36	up
5939839	7143144	1233908	Scm-like with four mbt domains 1	Sfmbt1	58967	1,32	up
5710232	7143144	1233903	Scm-like with four mbt domains 1	Sfmbt1	58967	1,30	down
6145721	7143144	1233902	Scm-like with four mbt domains 1	Sfmbt1	58967	1,27	down
6620230	7143144	1233911	Scm-like with four mbt domains 1	Sfmbt1	58967	1,26	up
6583176	7143144	1233900	Scm-like with four mbt domains 1	Sfmbt1	58967	1,24	up
6581037	7143144	1233913	Scm-like with four mbt domains 1	Sfmbt1	58967	1,23	up
6728358	7143144	1233913	Scm-like with four mbt domains 1	Sfmbt1	58967	1,21	up
6405557	7143144	1233915	Scm-like with four mbt domains 1	Sfmbt1	58967	1,17	down
6007285	7143144	1233904	Scm-like with four mbt domains 1	Sfmbt1	58967	1,14	down
6535117	7143144	1233910	Scm-like with four mbt domains 1	Sfmbt1	58967	1,14	up
6434591	7143144	1233897	Scm-like with four mbt domains 1	Sfmbt1	58967	1,12	up
6475037	7143144	1233907	Scm-like with four mbt domains 1	Sfmbt1	58967	1,09	up
6411417	7143144	1233899	Scm-like with four mbt domains 1	Sfmbt1	58967	1,08	up
6589551	7143144	1233896	Scm-like with four mbt domains 1	Sfmbt1	58967	1,07	up
6605770	7143144	1233909	Scm-like with four mbt domains 1	Sfmbt1	58967	1,06	up
6734129	7143144	1233906	Scm-like with four mbt domains 1	Sfmbt1	58967	1,04	up
5735759	7143144	1233914	Scm-like with four mbt domains 1	Sfmbt1	58967	1,03	down
5643620	7143144	1233902	Scm-like with four mbt domains 1	Sfmbt1	58967	1,03	up

5735915	7143144	1233898	Scm-like with four mbt domains 1	Sfmbt1	58967	1,00	down
6314150	7253414	1506089	SCO-spondin	Sspo	474348	2,62	up
6350519	7253414	1506028	SCO-spondin	Sspo	474348	2,61	up
6589850	7253414	1506049	SCO-spondin	Sspo	474348	2,29	up
5844352	7253414	1506048	SCO-spondin	Sspo	474348	2,18	up
6176318	7253414	1506060	SCO-spondin	Sspo	474348	2,09	up
6123339	7253414	1505999	SCO-spondin	Sspo	474348	2,08	down
5916620	7253414	1506055	SCO-spondin	Sspo	474348	2,08	up
5769129	7253414	1506002	SCO-spondin	Sspo	474348	2,08	up
6406578	7253414	1506034	SCO-spondin	Sspo	474348	1,99	down
5784441	7253414	1506088	SCO-spondin	Sspo	474348	1,91	up
6482607	7253414	1506047	SCO-spondin	Sspo	474348	1,75	down
6368873	7253414	1506013	SCO-spondin	Sspo	474348	1,70	down
5620719	7253414	1506007	SCO-spondin	Sspo	474348	1,61	down
5865317	7253414	1506081	SCO-spondin	Sspo	474348	1,59	down
5878392	7253414	1506039	SCO-spondin	Sspo	474348	1,54	up
6614156	7253414	1506000	SCO-spondin	Sspo	474348	1,51	down
6413476	7253414	1506008	SCO-spondin	Sspo	474348	1,51	up
6446802	7253414	1506058	SCO-spondin	Sspo	474348	1,50	up
6106407	7253414	1505995	SCO-spondin	Sspo	474348	1,49	up
5910386	7253414	1505986	SCO-spondin	Sspo	474348	1,48	down
6094488	7253414	1506064	SCO-spondin	Sspo	474348	1,48	down
6018216	7253414	1506032	SCO-spondin	Sspo	474348	1,47	down
6402741	7253414	1506046	SCO-spondin	Sspo	474348	1,45	up
5998348	7253414	1505989	SCO-spondin	Sspo	474348	1,45	down
6540817	7253414	1505988	SCO-spondin	Sspo	474348	1,43	down
5867876	7253414	1506073	SCO-spondin	Sspo	474348	1,43	down
6543171	7253414	1506084	SCO-spondin	Sspo	474348	1,41	up
6726465	7253414	1505989	SCO-spondin	Sspo	474348	1,40	down
6263077	7253414	1505996	SCO-spondin	Sspo	474348	1,39	down
5804169	7253414	1505993	SCO-spondin	Sspo	474348	1,39	up
5805419	7253414	1506069	SCO-spondin	Sspo	474348	1,38	up
6125469	7253414	1506044	SCO-spondin	Sspo	474348	1,38	up
5943934	7253414	1506061	SCO-spondin	Sspo	474348	1,37	up
6492820	7253414	1506018	SCO-spondin	Sspo	474348	1,36	up
6269326	7253414	1506004	SCO-spondin	Sspo	474348	1,34	up
5786545	7253414	1506065	SCO-spondin	Sspo	474348	1,34	down
5775665	7253414	1506068	SCO-spondin	Sspo	474348	1,33	down
6061920	7253414	1506082	SCO-spondin	Sspo	474348	1,33	up
6597196	7253414	1506009	SCO-spondin	Sspo	474348	1,32	down
6419269	7253414	1506047	SCO-spondin	Sspo	474348	1,32	down
6401147	7253414	1506071	SCO-spondin	Sspo	474348	1,32	down
6745655	7253414	1505987	SCO-spondin	Sspo	474348	1,31	up
5891656	7253414	1506078	SCO-spondin	Sspo	474348	1,31	down
6440693	7253414	1506042	SCO-spondin	Sspo	474348	1,31	down
6494904	7253414	1506026	SCO-spondin	Sspo	474348	1,30	down
5718003	7253414	1506014	SCO-spondin	Sspo	474348	1,29	up
5814726	7253414	1506074	SCO-spondin	Sspo	474348	1,29	up
6291745	7253414	1506015	SCO-spondin	Sspo	474348	1,28	down
6202548	7253414	1506063	SCO-spondin	Sspo	474348	1,27	up
5801121	7253414	1505997	SCO-spondin	Sspo	474348	1,25	up
5828423	7253414	1506010	SCO-spondin	Sspo	474348	1,24	up
6363837	7253414	1506077	SCO-spondin	Sspo	474348	1,24	down
6297574	7253414	1506020	SCO-spondin	Sspo	474348	1,22	up
5971261	7253414	1506016	SCO-spondin	Sspo	474348	1,22	down
6314126	7253414	1506069	SCO-spondin	Sspo	474348	1,22	up
6360414	7253414	1506037	SCO-spondin	Sspo	474348	1,22	up

6133564	7253414	1506017	SCO-spondin	Sspo	474348	1,20	down
6588528	7253414	1506040	SCO-spondin	Sspo	474348	1,20	up
6242144	7253414	1506049	SCO-spondin	Sspo	474348	1,18	down
6728080	7253414	1506041	SCO-spondin	Sspo	474348	1,18	down
6618057	7253414	1506033	SCO-spondin	Sspo	474348	1,18	up
6484235	7253414	1506022	SCO-spondin	Sspo	474348	1,17	up
5746407	7253414	1506060	SCO-spondin	Sspo	474348	1,17	down
5886646	7253414	1506029	SCO-spondin	Sspo	474348	1,17	down
5644775	7253414	1506024	SCO-spondin	Sspo	474348	1,16	up
6302962	7253414	1506006	SCO-spondin	Sspo	474348	1,16	up
6152111	7253414	1506021	SCO-spondin	Sspo	474348	1,16	down
6388599	7253414	1506003	SCO-spondin	Sspo	474348	1,16	up
6729376	7253414	1506066	SCO-spondin	Sspo	474348	1,15	up
6403855	7253414	1506036	SCO-spondin	Sspo	474348	1,15	down
5774102	7253414	1506042	SCO-spondin	Sspo	474348	1,15	up
6733461	7253414	1506051	SCO-spondin	Sspo	474348	1,15	up
6720460	7253414	1506090	SCO-spondin	Sspo	474348	1,15	down
6299981	7253414	1506067	SCO-spondin	Sspo	474348	1,15	down
6123409	7253414	1506032	SCO-spondin	Sspo	474348	1,14	down
6432208	7253414	1506066	SCO-spondin	Sspo	474348	1,14	down
6528654	7253414	1506076	SCO-spondin	Sspo	474348	1,14	down
6359320	7253414	1506066	SCO-spondin	Sspo	474348	1,13	down
5883162	7253414	1505991	SCO-spondin	Sspo	474348	1,13	up
6067840	7253414	1506039	SCO-spondin	Sspo	474348	1,13	up
6573675	7253414	1506070	SCO-spondin	Sspo	474348	1,13	down
6311983	7253414	1506023	SCO-spondin	Sspo	474348	1,13	down
6117911	7253414	1506052	SCO-spondin	Sspo	474348	1,13	down
5729777	7253414	1506072	SCO-spondin	Sspo	474348	1,13	up
5868754	7253414	1506062	SCO-spondin	Sspo	474348	1,13	down
5745631	7253414	1506001	SCO-spondin	Sspo	474348	1,13	up
6356462	7253414	1506034	SCO-spondin	Sspo	474348	1,12	down
6224915	7253414	1506027	SCO-spondin	Sspo	474348	1,12	up
6353248	7253414	1506054	SCO-spondin	Sspo	474348	1,11	down
6229572	7253414	1506081	SCO-spondin	Sspo	474348	1,11	down
6110185	7253414	1506045	SCO-spondin	Sspo	474348	1,11	down
5794998	7253414	1506059	SCO-spondin	Sspo	474348	1,10	up
5798856	7253414	1506079	SCO-spondin	Sspo	474348	1,10	down
6065637	7253414	1506051	SCO-spondin	Sspo	474348	1,10	down
5679563	7253414	1506087	SCO-spondin	Sspo	474348	1,09	up
6196112	7253414	1506077	SCO-spondin	Sspo	474348	1,09	down
5857274	7253414	1506019	SCO-spondin	Sspo	474348	1,09	up
6667164	7253414	1505992	SCO-spondin	Sspo	474348	1,08	up
6486337	7253414	1506025	SCO-spondin	Sspo	474348	1,08	down
5757459	7253414	1505998	SCO-spondin	Sspo	474348	1,08	down
5626174	7253414	1506031	SCO-spondin	Sspo	474348	1,07	up
6332173	7253414	1506043	SCO-spondin	Sspo	474348	1,07	down
5946233	7253414	1505996	SCO-spondin	Sspo	474348	1,07	up
6055202	7253414	1506056	SCO-spondin	Sspo	474348	1,07	up
6385744	7253414	1506082	SCO-spondin	Sspo	474348	1,07	up
6513085	7253414	1506089	SCO-spondin	Sspo	474348	1,06	up
5886629	7253414	1506053	SCO-spondin	Sspo	474348	1,06	up
5834010	7253414	1505990	SCO-spondin	Sspo	474348	1,06	up
6436474	7253414	1506088	SCO-spondin	Sspo	474348	1,05	up
6488511	7253414	1506085	SCO-spondin	Sspo	474348	1,05	up
6449472	7253414	1505994	SCO-spondin	Sspo	474348	1,05	up
6341127	7253414	1506038	SCO-spondin	Sspo	474348	1,05	up
6381099	7253414	1506077	SCO-spondin	Sspo	474348	1,05	down

6498369	7253414	1506083	SCO-spondin	Sspo	474348	1,04	up
6432273	7253414	1506057	SCO-spondin	Sspo	474348	1,04	up
6042580	7253414	1506050	SCO-spondin	Sspo	474348	1,04	up
5751246	7253414	1506020	SCO-spondin	Sspo	474348	1,04	up
6161773	7253414	1506005	SCO-spondin	Sspo	474348	1,04	up
6626255	7253414	1506075	SCO-spondin	Sspo	474348	1,03	up
6456880	7253414	1506086	SCO-spondin	Sspo	474348	1,03	down
6394868	7253414	1506063	SCO-spondin	Sspo	474348	1,03	up
6717576	7253414	1506011	SCO-spondin	Sspo	474348	1,03	down
6334629	7253414	1506012	SCO-spondin	Sspo	474348	1,03	up
6387105	7253414	1506080	SCO-spondin	Sspo	474348	1,03	up
6184309	7253414	1506030	SCO-spondin	Sspo	474348	1,03	down
6456804	7253414	1506072	SCO-spondin	Sspo	474348	1,02	down
6582869	7253414	1506077	SCO-spondin	Sspo	474348	1,02	down
6131982	7253414	1506021	SCO-spondin	Sspo	474348	1,01	down
6697377	7253414	1506033	SCO-spondin	Sspo	474348	1,01	up
5896876	7253414	1506000	SCO-spondin	Sspo	474348	1,01	down
5662034	7253414	1506003	SCO-spondin	Sspo	474348	1,01	up
6131809	7253414	1506025	SCO-spondin	Sspo	474348	1,00	down
6085056	7253414	1506029	SCO-spondin	Sspo	474348	1,00	up
5806457	7253414	1506035	SCO-spondin	Sspo	474348	1,00	up
6636676	7198730	1372637	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,60	down
6624346	7198730	1372673	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,33	up
6629835	7198730	1372676	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,31	up
5896977	7198730	1372652	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,28	up
6449316	7198730	1372664	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,27	down
5960714	7198730	1372648	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,25	down
6695956	7198730	1372661	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,23	down
5831555	7198730	1372670	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,21	down
5801682	7198730	1372647	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,19	down
6365728	7198730	1372672	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,14	up
5781906	7198730	1372673	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,14	down
5829950	7198730	1372678	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,11	up
5821452	7198730	1372657	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,11	down
6188228	7198730	1372649	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,10	down
5795269	7198730	1372678	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,09	down
6716617	7198730	1372643	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,08	up
6567372	7198730	1372659	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,07	down
5830815	7198730	1372669	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,07	up
6684375	7198730	1372662	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,06	up
5999836	7198730	1372673	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,06	down
5695436	7198730	1372665	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,04	down
6519027	7198730	1372667	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,02	up
5914474	7198730	1372660	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,01	up
5647734	7198730	1372666	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,01	down
6135282	7198730	1372653	SEC24 family, member D (<i>S. cerevisiae</i>)	Sec24d	310843	1,01	down
6291370	7207292	1392633	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	2,38	up
6250199	7207292	1392635	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	2,08	up
6005537	7207292	1392625	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,25	up
5845764	7207292	1392626	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,22	down
5696489	7207292	1392633	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,22	down
5700797	7207292	1392630	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,21	down
6016623	7207292	1392629	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,17	up
6222197	7207292	1392622	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,14	up
6665915	7207292	1392636	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,14	down
5710586	7207292	1392622	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,13	down
6740463	7207292	1392623	SEC62 homolog (<i>S. cerevisiae</i>)	Sec62	294912	1,10	down

5730507	7207292	1392634	SEC62 homolog (S. cerevisiae)	Sec62	294912	1,10	down
5834910	7207292	1392624	SEC62 homolog (S. cerevisiae)	Sec62	294912	1,01	down
5823983	7207292	1392633	SEC62 homolog (S. cerevisiae)	Sec62	294912	1,01	down
5815573	7077597	1074405	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	2,31	down
6130322	7077597	1074407	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,57	up
5643631	7077597	1074406	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,41	up
5997008	7077597	1074401	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,22	down
6120130	7077597	1074404	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,18	up
5759748	7077597	1074402	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,07	down
6603903	7077597	1074399	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,05	up
5974112	7077597	1074403	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,05	up
6551254	7077597	1074400	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,04	up
6226702	7077597	1074398	secreted protein, acidic, cysteine-rich (osteonectin)	Sparc	24791	1,03	down
6744667	7336639	1711132	secretory carrier membrane protein 2	Scamp2	65168	2,16	down
6280039	7336639	1711130	secretory carrier membrane protein 2	Scamp2	65168	1,53	down
5818995	7336639	1711134	secretory carrier membrane protein 2	Scamp2	65168	1,40	down
6292808	7336639	1711139	secretory carrier membrane protein 2	Scamp2	65168	1,38	up
5857835	7336639	1711130	secretory carrier membrane protein 2	Scamp2	65168	1,16	down
5881333	7336639	1711137	secretory carrier membrane protein 2	Scamp2	65168	1,16	up
5867473	7336639	1711133	secretory carrier membrane protein 2	Scamp2	65168	1,15	down
6614569	7336639	1711139	secretory carrier membrane protein 2	Scamp2	65168	1,14	up
6167292	7336639	1711136	secretory carrier membrane protein 2	Scamp2	65168	1,14	up
6484958	7336639	1711138	secretory carrier membrane protein 2	Scamp2	65168	1,13	down
6396160	7336639	1711132	secretory carrier membrane protein 2	Scamp2	65168	1,10	up
6691809	7336639	1711135	secretory carrier membrane protein 2	Scamp2	65168	1,08	down
6117950	7336639	1711138	secretory carrier membrane protein 2	Scamp2	65168	1,06	down
5964466	7336639	1711134	secretory carrier membrane protein 2	Scamp2	65168	1,05	up
5776741	7336639	1711131	secretory carrier membrane protein 2	Scamp2	65168	1,02	up
6417685	7357672	1763717	selenocysteine lyase	Scly	363285	2,37	down
6354762	7357672	1763723	selenocysteine lyase	Scly	363285	2,03	up
6047673	7357672	1763727	selenocysteine lyase	Scly	363285	1,42	up
6377179	7357672	1763721	selenocysteine lyase	Scly	363285	1,28	up
5814257	7357672	1763728	selenocysteine lyase	Scly	363285	1,26	down
6411892	7357672	1763719	selenocysteine lyase	Scly	363285	1,26	down
6564437	7357672	1763725	selenocysteine lyase	Scly	363285	1,23	up
6737440	7357672	1763720	selenocysteine lyase	Scly	363285	1,21	down
6148690	7357672	1763724	selenocysteine lyase	Scly	363285	1,13	down
6618725	7357672	1763722	selenocysteine lyase	Scly	363285	1,13	up
6298828	7357672	1763729	selenocysteine lyase	Scly	363285	1,06	down
6346016	7357672	1763718	selenocysteine lyase	Scly	363285	1,05	up
5677774	7357672	1763726	selenocysteine lyase	Scly	363285	1,00	up
6183128	7190182	1350180	selenoprotein P, plasma, 1	Sepp1	29360	2,78	down
6685886	7190182	1350182	selenoprotein P, plasma, 1	Sepp1	29360	2,29	up
6610814	7190182	1350178	selenoprotein P, plasma, 1	Sepp1	29360	2,08	up
6468368	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	2,04	down
6143650	7190182	1350177	selenoprotein P, plasma, 1	Sepp1	29360	1,98	up
6542605	7190182	1350182	selenoprotein P, plasma, 1	Sepp1	29360	1,75	up
6157465	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,70	down
6321169	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,35	up
6436620	7190182	1350179	selenoprotein P, plasma, 1	Sepp1	29360	1,24	up
6385863	7190182	1350181	selenoprotein P, plasma, 1	Sepp1	29360	1,12	down
5823619	7048315	1006232	selenoprotein W, 1	Sepw1	25545	2,28	down
6548550	7048315	1006237	selenoprotein W, 1	Sepw1	25545	1,92	up
6200412	7048315	1006234	selenoprotein W, 1	Sepw1	25545	1,63	up
6024956	7048315	1006235	selenoprotein W, 1	Sepw1	25545	1,14	down
6177683	7048315	1006237	selenoprotein W, 1	Sepw1	25545	1,06	up
5632966	7048315	1006236	selenoprotein W, 1	Sepw1	25545	1,05	down

5800855	7048315	1006233	selenoprotein W, 1	Sepw1	25545	1,03	up
6081086	7048315	1006232	selenoprotein W, 1	Sepw1	25545	1,02	up
6036324	7349944	1744924	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	2,81	up
5699702	7349944	1744902	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,84	down
6445152	7349944	1744904	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,67	up
6418768	7349944	1744922	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,41	down
5945307	7349944	1744924	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,34	down
6665290	7349944	1744922	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,29	down
6237747	7349944	1744900	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,27	up
6244219	7349944	1744901	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,22	up
5909496	7349944	1744911	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,17	up
6703208	7349944	1744903	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,16	down
6488093	7349944	1744918	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,12	down
6693098	7349944	1744905	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,12	down
6597510	7349944	1744907	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,11	down
5846989	7349944	1744909	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,11	down
5967504	7349944	1744917	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,10	up
5793251	7349944	1744908	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,10	down
6426845	7349944	1744915	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,07	down
5832953	7349944	1744900	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,07	up
6426660	7349944	1744916	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,07	down
6408081	7349944	1744906	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,05	down
6702587	7349944	1744912	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,04	up
5922482	7349944	1744910	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3 F	Sema3f	315996	1,01	up
6083071	7261019	1525243	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,82	down
5894898	7261019	1525262	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,71	up
6638555	7261019	1525260	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,65	up
6467855	7261019	1525257	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,50	up
6386776	7261019	1525261	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,49	up
5960762	7261019	1525256	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,48	up
6102928	7261019	1525249	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,43	down
6124896	7261019	1525264	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,41	up
6539931	7261019	1525279	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,35	up
6113360	7261019	1525258	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,17	down
6544099	7261019	1525256	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,15	up
5688720	7261019	1525252	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,12	down
6541733	7261019	1525265	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,12	up
5663388	7261019	1525246	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,12	down
5833581	7261019	1525242	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,12	up
5873519	7261019	1525259	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,09	up
6238778	7261019	1525248	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,09	up
6238152	7261019	1525250	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,08	down
5914191	7261019	1525243	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,06	down
5973191	7261019	1525242	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3C	Sema3c	296787	1,04	up
5856000	7261147	1525683	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	2,79	up
6574527	7261147	1525670	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	2,27	down
5784665	7261147	1525674	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,75	down
5902231	7261147	1525697	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,63	up
5775211	7261147	1525686	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,63	up
6376939	7261147	1525673	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,58	down
5724815	7261147	1525710	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,52	up
6710563	7261147	1525670	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,51	up
6362270	7261147	1525681	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,48	up
6163728	7261147	1525676	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,45	down
6588478	7261147	1525701	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,44	up
6684160	7261147	1525700	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,26	down
6294744	7261147	1525675	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,26	down

6731255	7261147	1525677	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,19	up
6093426	7261147	1525669	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,18	down
6195650	7261147	1525682	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,14	up
6361418	7261147	1525678	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,08	down
6384868	7261147	1525685	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,06	up
5671807	7261147	1525689	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,04	down
6091343	7261147	1525701	sema domain, immunoglobulin domain (Ig), short basic domain, secreted, (semaphorin) 3E	Sema3e	296789	1,04	up
5873144	7361075	1772349	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	2,09	up
5631749	7361075	1772331	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,74	up
6556377	7361075	1772337	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,59	up
6398684	7361075	1772341	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,52	down
6548517	7361075	1772342	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,45	up
6180877	7361075	1772338	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,44	up
6375137	7361075	1772339	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,34	down
6658633	7361075	1772346	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,26	down
6262760	7361075	1772340	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,22	down
5968565	7361075	1772334	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,07	down
5869226	7361075	1772333	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,07	down
6351449	7361075	1772332	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,06	up
6546090	7361075	1772332	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,05	up
6554063	7361075	1772335	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,04	down
6167944	7361075	1772338	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,04	up
6357155	7361075	1772336	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,03	down
6299465	7361075	1772343	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4c	301346	1,01	up
5927105	7266506	1538221	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	2,25	up
6412697	7266506	1538225	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,84	down
6216062	7266506	1538233	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,75	down
5905672	7266506	1538229	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,44	down
5834854	7266506	1538230	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,42	down
6347834	7266506	1538223	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,41	up
6120930	7266506	1538228	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,27	up
6485140	7266506	1538226	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,24	down
6189963	7266506	1538227	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,24	down
5790513	7266506	1538231	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,22	up
6232246	7266506	1538224	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,21	down
6648457	7266506	1538233	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,13	up
6273186	7266506	1538222	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,12	up
6168009	7266506	1538220	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,10	down
6471929	7266506	1538221	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,10	down
5648022	7266506	1538234	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,07	up
6436675	7266506	1538227	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,07	up
6439362	7266506	1538232	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,04	up
6364506	7266506	1538234	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4f	29745	1,02	down
5779112	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,64	up
6052299	7042382	991295	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,62	down
6437159	7042382	991291	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,52	down
6474165	7042382	991289	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,50	up
6187947	7042382	991294	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,50	down
6199147	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,40	down
5690512	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,34	down
6262529	7042382	991301	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,31	down
6414356	7042382	991299	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,27	down
6711592	7042382	991300	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,25	down
5731300	7042382	991298	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,25	down
5945183	7042382	991295	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,20	down
6274019	7042382	991289	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,18	down
6692531	7042382	991296	sema domain, immunoglobulin domain (Ig), transmembrane domain (TM) and short cytoplasmic don	Sema4g	361764	1,17	down

6471350	7093835	1112246	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,07	down
5713847	7093835	1112223	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,06	down
6120479	7093835	1112225	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,06	up
6571307	7093835	1112225	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,04	up
6437309	7093835	1112221	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,04	up
6490016	7093835	1112247	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,04	up
5902967	7093835	1112237	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,02	up
6562067	7093835	1112227	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,01	up
6693694	7093835	1112219	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,01	up
5728939	7093835	1112236	sema domain, seven thrombospondin repeats (type 1 and type 1-like), transmembrane domain (TM) a	Sema5b	303901	1,01	down
5987158	7368000	1789303	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	2,01	down
5741871	7368000	1789306	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,86	down
5759072	7368000	1789311	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,69	up
5664250	7368000	1789295	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,67	down
5864361	7368000	1789295	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,67	up
6607152	7368000	1789311	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,35	up
6424153	7368000	1789300	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,27	down
6334346	7368000	1789311	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,26	up
6374770	7368000	1789310	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,25	up
6271452	7368000	1789309	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,22	up
6484066	7368000	1789296	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,17	up
5857718	7368000	1789301	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,16	up
6248267	7368000	1789307	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,15	up
5830486	7368000	1789303	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,11	down
6411330	7368000	1789297	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,11	up
5657406	7368000	1789305	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,10	up
6512257	7368000	1789302	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,09	down
6717334	7368000	1789295	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,08	down
6630259	7368000	1789308	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,06	down
6100169	7368000	1789311	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,01	down
5907364	7368000	1789299	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,01	up
5862402	7368000	1789298	sema domain, transmembrane domain (TM), and cytoplasmic domain, (semaphorin) 6B	Sema6b	84609	1,00	up
5905671	7073828	1065536	septin 9	sept-09	83788	2,22	up
6305394	7073828	1065535	septin 9	sept-09	83788	1,71	up
6072222	7073828	1065542	septin 9	sept-09	83788	1,23	down
6250423	7073828	1065543	septin 9	sept-09	83788	1,18	up
5812784	7073828	1065548	septin 9	sept-09	83788	1,16	down
6734209	7073828	1065545	septin 9	sept-09	83788	1,15	down
6132480	7073828	1065539	septin 9	sept-09	83788	1,12	down
5929198	7073828	1065544	septin 9	sept-09	83788	1,12	down
6734138	7073828	1065546	septin 9	sept-09	83788	1,10	up
5655018	7073828	1065538	septin 9	sept-09	83788	1,10	down
6577763	7073828	1065540	septin 9	sept-09	83788	1,08	down
5943241	7073828	1065540	septin 9	sept-09	83788	1,08	up
6072509	7073828	1065549	septin 9	sept-09	83788	1,07	up
5765175	7073828	1065547	septin 9	sept-09	83788	1,07	down
6411432	7073828	1065538	septin 9	sept-09	83788	1,07	down
6229095	7073828	1065537	septin 9	sept-09	83788	1,04	down
6568325	7073828	1065538	septin 9	sept-09	83788	1,02	down
6562094	7073828	1065536	septin 9	sept-09	83788	1,00	up
6419642	7073828	1065541	septin 9	sept-09	83788	1,00	down
6714361	7301301	1625019	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	2,35	up
6180459	7301301	1625018	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,86	up
6664316	7301301	1625016	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,68	down
6391678	7301301	1625020	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,61	up
6151483	7301301	1625021	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,57	down
6080376	7301301	1625017	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,50	down

5979445	7301301	1625021	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,45	up
6025940	7301301	1625017	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,23	down
6645936	7301301	1625017	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,23	down
6179245	7301301	1625017	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,18	up
6513241	7301301	1625017	serine (or cysteine) peptidase inhibitor, clade A, member 3N	Serpina3n	24795	1,02	up
5645392	7163946	1284282	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	2,45	up
6631420	7163946	1284289	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,69	down
6026440	7163946	1284283	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,66	up
6123316	7163946	1284285	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,43	up
6404688	7163946	1284287	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,42	down
6232788	7163946	1284289	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,20	down
5965874	7163946	1284284	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,19	up
5958331	7163946	1284286	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,08	down
6506470	7163946	1284288	serine (or cysteine) peptidase inhibitor, clade B, member 9	Serpib9	361241	1,01	down
6710711	7241130	1476714	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	2,47	down
6286391	7241130	1476707	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,39	down
5779501	7241130	1476713	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,29	up
6558928	7241130	1476711	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,19	up
6722232	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,13	down
6094286	7241130	1476712	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,10	down
5778451	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,09	up
5648312	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,09	up
5925737	7241130	1476708	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,07	up
6141348	7241130	1476713	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,04	up
6122375	7241130	1476709	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,04	up
5656049	7241130	1476710	serine (or cysteine) peptidase inhibitor, clade G, member 1	Serpig1	295703	1,01	up
6053540	7326261	1686432	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	2,01	up
5922428	7326261	1686434	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,69	down
6400977	7326261	1686431	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,35	up
6738852	7326261	1686433	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,28	up
5912096	7326261	1686439	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,26	down
6594978	7326261	1686440	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,23	down
5760297	7326261	1686441	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,23	down
5730450	7326261	1686436	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,16	down
6542039	7326261	1686435	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,13	up
5839723	7326261	1686430	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,13	down
6537252	7326261	1686438	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,11	up
6607804	7326261	1686429	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,06	down
6503931	7326261	1686437	serine hydroxymethyltransferase 2 (mitochondrial)	Shmt2	299857	1,01	up
6620877	7155765	1265060	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	2,02	down
5720513	7155765	1265044	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,68	up
6270799	7155765	1265048	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,58	down
6530144	7155765	1265059	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,32	up
6519190	7155765	1265060	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,21	up
5636182	7155765	1265052	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,17	down
6182492	7155765	1265060	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,17	up
6127054	7155765	1265055	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,15	up
6091667	7155765	1265057	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,13	down
5916396	7155765	1265051	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,12	up
6308838	7155765	1265058	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,12	down
5748967	7155765	1265060	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,07	down
5889919	7155765	1265049	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,06	down
5895316	7155765	1265043	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,06	down
6358442	7155765	1265045	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,05	up
6373980	7155765	1265060	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,04	up
6130901	7155765	1265054	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,02	up
6255119	7155765	1265056	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,02	up

6514552	7155765	1265050	serine palmitoyltransferase, long chain base subunit 1	Sptlc1	361213	1,00	down
6408165	7301296	1625004	Serine protease inhibitor	LOC299282	299282	2,93	up
6448068	7301296	1625004	Serine protease inhibitor	LOC299282	299282	1,54	up
6337382	7301296	1625007	Serine protease inhibitor	LOC299282	299282	1,48	down
5965022	7301296	1624999	Serine protease inhibitor	LOC299282	299282	1,23	up
5860272	7301296	1625007	Serine protease inhibitor	LOC299282	299282	1,23	down
6461086	7301296	1625005	Serine protease inhibitor	LOC299282	299282	1,22	up
6181530	7301296	1625001	Serine protease inhibitor	LOC299282	299282	1,19	down
5660743	7301296	1625000	Serine protease inhibitor	LOC299282	299282	1,14	down
6111921	7301296	1625005	Serine protease inhibitor	LOC299282	299282	1,13	down
6520531	7301296	1625006	Serine protease inhibitor	LOC299282	299282	1,12	up
6202402	7301296	1625008	Serine protease inhibitor	LOC299282	299282	1,10	down
6305138	7301296	1625006	Serine protease inhibitor	LOC299282	299282	1,09	down
6535873	7301296	1625002	Serine protease inhibitor	LOC299282	299282	1,03	up
6585352	7301296	1625008	Serine protease inhibitor	LOC299282	299282	1,01	up
6170528	7356333	1760506	serine/threonine kinase 11 interacting protein	Stk11ip	301535	2,45	up
6191544	7356333	1760486	serine/threonine kinase 11 interacting protein	Stk11ip	301535	2,13	up
6535738	7356333	1760487	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,69	up
6560644	7356333	1760495	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,66	up
6594273	7356333	1760488	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,62	up
6609152	7356333	1760484	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,48	down
6418438	7356333	1760483	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,45	up
6486369	7356333	1760485	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,44	up
5768993	7356333	1760497	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,40	up
6273519	7356333	1760502	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,38	down
6264703	7356333	1760501	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,38	up
6449950	7356333	1760482	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,33	down
6629352	7356333	1760493	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,29	down
6070161	7356333	1760505	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,27	up
6353710	7356333	1760503	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,20	up
6104953	7356333	1760506	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,19	up
6066413	7356333	1760489	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,18	down
6188782	7356333	1760492	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,16	down
6125518	7356333	1760507	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,15	down
6569623	7356333	1760498	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,15	up
5738866	7356333	1760504	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,13	up
6323805	7356333	1760498	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,12	down
6584963	7356333	1760495	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,08	down
5714579	7356333	1760490	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,07	down
5844855	7356333	1760496	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,07	up
6039494	7356333	1760498	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,05	up
6552560	7356333	1760506	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,04	down
5740441	7356333	1760491	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,02	up
5668121	7356333	1760496	serine/threonine kinase 11 interacting protein	Stk11ip	301535	1,02	up
6150445	7326472	1686902	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	2,32	down
6411909	7326472	1686897	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,68	down
6609380	7326472	1686895	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,63	up
6066153	7326472	1686901	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,22	down
5724607	7326472	1686905	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,19	down
5998295	7326472	1686904	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,18	up
5631402	7326472	1686899	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,18	up
5989316	7326472	1686896	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,14	up
5941302	7326472	1686898	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,13	up
6110245	7326472	1686906	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,08	down
5897644	7326472	1686900	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,07	down
6740731	7326472	1686897	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,07	down
6616603	7326472	1686903	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,07	up

6058161	7326472	1686901	serine/threonine kinase 3 (STE20 homolog, yeast)	Stk3	65189	1,04	down
6688779	7259303	1520825	serine/threonine kinase receptor associated protein	Strap	297699	2,24	down
5794168	7259303	1520825	serine/threonine kinase receptor associated protein	Strap	297699	1,63	down
6318347	7259303	1520826	serine/threonine kinase receptor associated protein	Strap	297699	1,43	down
6495108	7259303	1520829	serine/threonine kinase receptor associated protein	Strap	297699	1,39	down
5821605	7259303	1520834	serine/threonine kinase receptor associated protein	Strap	297699	1,35	up
6462601	7259303	1520834	serine/threonine kinase receptor associated protein	Strap	297699	1,25	up
5835224	7259303	1520829	serine/threonine kinase receptor associated protein	Strap	297699	1,20	up
6427816	7259303	1520828	serine/threonine kinase receptor associated protein	Strap	297699	1,20	down
6363573	7259303	1520833	serine/threonine kinase receptor associated protein	Strap	297699	1,15	down
6038059	7259303	1520831	serine/threonine kinase receptor associated protein	Strap	297699	1,12	up
6369852	7259303	1520832	serine/threonine kinase receptor associated protein	Strap	297699	1,10	down
6647828	7259303	1520834	serine/threonine kinase receptor associated protein	Strap	297699	1,09	up
6367824	7259303	1520830	serine/threonine kinase receptor associated protein	Strap	297699	1,06	up
6132235	7259303	1520827	serine/threonine kinase receptor associated protein	Strap	297699	1,06	up
6004437	7259303	1520834	serine/threonine kinase receptor associated protein	Strap	297699	1,05	down
6544153	7259303	1520825	serine/threonine kinase receptor associated protein	Strap	297699	1,00	up
6490944	7377583	1815445	serine/threonine protein kinase MST4	Mst4	317589	2,43	up
6209518	7377583	1815445	serine/threonine protein kinase MST4	Mst4	317589	1,68	up
5978580	7377583	1815446	serine/threonine protein kinase MST4	Mst4	317589	1,42	up
6370086	7377583	1815445	serine/threonine protein kinase MST4	Mst4	317589	1,29	up
6391069	7377583	1815463	serine/threonine protein kinase MST4	Mst4	317589	1,17	up
5952977	7130917	1203914	serine/threonine/tyrosine interacting protein	Styx	689246	1,15	down
5765995	7203403	1383604	serologically defined colon cancer antigen 10	Sdccag10	361887	2,36	down
5715091	7203403	1383605	serologically defined colon cancer antigen 10	Sdccag10	361887	1,52	up
5968569	7203403	1383601	serologically defined colon cancer antigen 10	Sdccag10	361887	1,42	up
5904385	7203403	1383596	serologically defined colon cancer antigen 10	Sdccag10	361887	1,40	down
5890616	7203403	1383600	serologically defined colon cancer antigen 10	Sdccag10	361887	1,32	down
5656632	7203403	1383595	serologically defined colon cancer antigen 10	Sdccag10	361887	1,30	down
6573602	7203403	1383597	serologically defined colon cancer antigen 10	Sdccag10	361887	1,28	up
6648934	7203403	1383609	serologically defined colon cancer antigen 10	Sdccag10	361887	1,26	up
5706729	7203403	1383607	serologically defined colon cancer antigen 10	Sdccag10	361887	1,25	down
6703664	7203403	1383598	serologically defined colon cancer antigen 10	Sdccag10	361887	1,17	down
6605172	7203403	1383608	serologically defined colon cancer antigen 10	Sdccag10	361887	1,15	up
5639273	7203403	1383596	serologically defined colon cancer antigen 10	Sdccag10	361887	1,15	up
6020291	7203403	1383597	serologically defined colon cancer antigen 10	Sdccag10	361887	1,13	down
5828662	7203403	1383599	serologically defined colon cancer antigen 10	Sdccag10	361887	1,07	up
6717564	7203403	1383602	serologically defined colon cancer antigen 10	Sdccag10	361887	1,06	up
6666930	7203403	1383606	serologically defined colon cancer antigen 10	Sdccag10	361887	1,02	up
5880936	7203403	1383603	serologically defined colon cancer antigen 10	Sdccag10	361887	1,00	up
6008665	7351949	1749804	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	3,03	down
5933489	7351949	1749804	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,65	down
5802820	7351949	1749805	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,64	up
6554065	7351949	1749806	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,53	up
6129257	7351949	1749810	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,52	up
6426466	7351949	1749809	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,24	up
5702396	7351949	1749811	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,19	up
6616889	7351949	1749808	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,18	up
5811999	7351949	1749805	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,08	down
6404261	7351949	1749811	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,06	up
6631699	7351949	1749809	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,03	up
6377426	7351949	1749807	serum response factor (c-fos serum response element-binding transcription factor)	Srf	501099	1,01	down
6432240	7235074	1461009	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,83	down
6275255	7235074	1461011	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,64	down
6157673	7235074	1461003	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,62	up
6044206	7235074	1461016	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,52	down
5728109	7235074	1461001	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,52	down

6350765	7235074	1461017	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,24	down
6364847	7235074	1461013	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,15	up
6597184	7235074	1461007	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,10	up
5967475	7235074	1461016	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,10	up
6472265	7235074	1461016	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,10	up
6712564	7235074	1461012	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,08	up
6320171	7235074	1461010	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,06	down
6125399	7235074	1461015	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,05	up
6535320	7235074	1461008	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,04	up
6589832	7235074	1461014	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,04	down
6238213	7235074	1461005	serum/glucocorticoid regulated kinase 2	Sgk2	171497	1,04	up
5856985	7333027	1702673	sestrin 3	Sesn3	315427	2,04	up
6467200	7333027	1702687	sestrin 3	Sesn3	315427	1,70	down
6324411	7333027	1702680	sestrin 3	Sesn3	315427	1,42	down
5710507	7333027	1702685	sestrin 3	Sesn3	315427	1,39	down
6445597	7333027	1702682	sestrin 3	Sesn3	315427	1,37	up
6445302	7333027	1702687	sestrin 3	Sesn3	315427	1,27	up
6446530	7333027	1702681	sestrin 3	Sesn3	315427	1,23	down
6674676	7333027	1702674	sestrin 3	Sesn3	315427	1,18	up
5978795	7333027	1702682	sestrin 3	Sesn3	315427	1,14	up
6534156	7333027	1702683	sestrin 3	Sesn3	315427	1,09	down
6022262	7333027	1702688	sestrin 3	Sesn3	315427	1,08	down
5833970	7333027	1702686	sestrin 3	Sesn3	315427	1,07	down
6148563	7333027	1702684	sestrin 3	Sesn3	315427	1,03	down
6317621	7333027	1702678	sestrin 3	Sesn3	315427	1,00	up
6661132	7330731	1697208	SET binding factor 1	Sbf1	300147	3,43	down
6359516	7330731	1697175	SET binding factor 1	Sbf1	300147	1,04	down
6717376	7177520	1318660	SET binding protein 1	Setbp1	291423	1,36	down
5853553	7177520	1318660	SET binding protein 1	Setbp1	291423	1,16	down
6351301	7177520	1318660	SET binding protein 1	Setbp1	291423	1,15	down
6670307	7177520	1318660	SET binding protein 1	Setbp1	291423	1,13	down
5804909	7177520	1318660	SET binding protein 1	Setbp1	291423	1,11	down
6464892	7091900	1107636	SET domain containing 4	Setd4	245975	2,13	up
6616177	7091900	1107632	SET domain containing 4	Setd4	245975	1,46	down
6169118	7091900	1107626	SET domain containing 4	Setd4	245975	1,19	up
6130443	7091900	1107636	SET domain containing 4	Setd4	245975	1,18	up
6341265	7091900	1107638	SET domain containing 4	Setd4	245975	1,16	up
6500019	7091900	1107627	SET domain containing 4	Setd4	245975	1,15	up
5845268	7091900	1107631	SET domain containing 4	Setd4	245975	1,15	up
6193723	7091900	1107629	SET domain containing 4	Setd4	245975	1,13	up
6061337	7091900	1107634	SET domain containing 4	Setd4	245975	1,06	down
5983905	7091900	1107635	SET domain containing 4	Setd4	245975	1,03	up
6309945	7091900	1107629	SET domain containing 4	Setd4	245975	1,02	down
5622485	7091900	1107628	SET domain containing 4	Setd4	245975	1,01	up
6517318	7091900	1107629	SET domain containing 4	Setd4	245975	1,01	down
6045269	7091900	1107631	SET domain containing 4	Setd4	245975	1,01	up
6508778	7279103	1570845	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	2,11	down
5634797	7279103	1570839	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,42	up
6467159	7279103	1570844	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,40	up
5683367	7279103	1570850	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,37	up
6356269	7279103	1570829	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,35	up
5787797	7279103	1570830	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,32	up
5780563	7279103	1570835	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,28	up
6041643	7279103	1570824	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,26	up
5973641	7279103	1570840	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,26	down
5790685	7279103	1570849	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,24	down
5735933	7279103	1570833	sex comb on midleg homolog 1 (Drosophila)	Scmh1	362581	1,23	up

6646289	7279103	1570819	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,15	up
6110989	7279103	1570848	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,14	up
5916532	7279103	1570850	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,08	down
5723199	7279103	1570841	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,06	up
6348658	7279103	1570842	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,06	up
5754414	7279103	1570832	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,06	down
5989040	7279103	1570829	sex comb on midleg homolog 1 (<i>Drosophila</i>)	Scmh1	362581	1,03	down
6429322	7046634	1002583	SFT2 domain containing 1	Sft2d1	292305	2,18	down
5876575	7046634	1002576	SFT2 domain containing 1	Sft2d1	292305	1,64	up
6510769	7046634	1002578	SFT2 domain containing 1	Sft2d1	292305	1,46	up
6478525	7046634	1002577	SFT2 domain containing 1	Sft2d1	292305	1,26	up
6096302	7046634	1002580	SFT2 domain containing 1	Sft2d1	292305	1,25	up
6546325	7046634	1002579	SFT2 domain containing 1	Sft2d1	292305	1,15	down
5813553	7046634	1002576	SFT2 domain containing 1	Sft2d1	292305	1,12	down
5729012	7046634	1002582	SFT2 domain containing 1	Sft2d1	292305	1,07	down
6586213	7046634	1002581	SFT2 domain containing 1	Sft2d1	292305	1,04	up
6207660	7133749	1210801	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	2,10	down
6606065	7133749	1210805	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	2,04	up
5673183	7133749	1210800	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,47	up
6230602	7133749	1210818	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,44	down
6079869	7133749	1210816	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,37	up
6014464	7133749	1210806	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,31	up
6082296	7133749	1210818	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,30	up
5864001	7133749	1210818	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,21	down
5834989	7133749	1210816	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,20	up
6042517	7133749	1210814	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,17	up
6208992	7133749	1210812	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,11	up
6529156	7133749	1210800	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,10	down
6580842	7133749	1210802	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,09	up
5886377	7133749	1210809	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,09	up
6388110	7133749	1210811	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,05	down
6671988	7133749	1210803	SGT1, suppressor of G2 allele of SKP1 (<i>S. cerevisiae</i>)	Sugt1	290408	1,03	up
6417842	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	2,19	down
6543160	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,80	down
6540942	7098424	1123755	SH2B adaptor protein 3	Sh2b3	58838	1,67	down
6696808	7098424	1123756	SH2B adaptor protein 3	Sh2b3	58838	1,50	up
6108583	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,48	down
5779773	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,45	down
5954649	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,25	down
6544203	7098424	1123756	SH2B adaptor protein 3	Sh2b3	58838	1,20	up
6167092	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,18	down
6080748	7098424	1123756	SH2B adaptor protein 3	Sh2b3	58838	1,16	up
5718708	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,14	up
6290952	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,12	up
6602748	7098424	1123756	SH2B adaptor protein 3	Sh2b3	58838	1,10	up
6399553	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,05	up
6062017	7098424	1123756	SH2B adaptor protein 3	Sh2b3	58838	1,03	up
6506518	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,03	up
6151975	7098424	1123757	SH2B adaptor protein 3	Sh2b3	58838	1,02	down
5897645	7098424	1123754	SH2B adaptor protein 3	Sh2b3	58838	1,02	up
6517052	7031280	963458	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	2,56	down
5920126	7031280	963479	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	2,18	down
5691190	7031280	963466	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,67	down
6071090	7031280	963457	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,66	down
6275013	7031280	963481	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,62	up
6732459	7031280	963482	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,61	down
6383433	7031280	963468	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,48	up

5709263	7031280	963479	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,45	down
6043179	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,45	down
6427720	7031280	963462	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,41	up
6666705	7031280	963467	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,25	up
5791059	7031280	963458	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,23	up
5855336	7031280	963469	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,23	down
6704579	7031280	963476	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,20	up
5877410	7031280	963460	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,19	up
6578572	7031280	963463	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,17	up
5675674	7031280	963478	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,17	down
6475803	7031280	963465	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,17	down
5859183	7031280	963458	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,15	up
6504403	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,13	down
6451034	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,11	up
6068253	7031280	963459	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,07	down
6586938	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,06	down
5764536	7031280	963473	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,06	down
5700816	7031280	963470	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,05	up
6297666	7031280	963461	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,05	up
5906571	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,03	up
6437065	7031280	963472	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,03	down
6059275	7031280	963464	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,02	up
6196809	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,02	up
6516442	7031280	963481	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,02	up
5983866	7031280	963480	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,02	up
5629919	7031280	963474	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,01	down
6306858	7031280	963471	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,01	down
5681641	7031280	963475	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,01	down
6332088	7031280	963468	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,01	down
5624639	7031280	963477	SH3 and multiple ankyrin repeat domains 1	Shank1	78957	1,01	up
6261933	7038746	982525	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,75	up
6251076	7038746	982524	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,47	up
6520443	7038746	982528	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,36	down
5966618	7038746	982523	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,35	down
6573299	7038746	982522	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,34	up
6198374	7038746	982528	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,23	down
5865065	7038746	982518	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,21	up
6134246	7038746	982517	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	2,05	up
6474327	7038746	982523	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,97	down
6237814	7038746	982535	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,82	down
6004920	7038746	982526	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,82	down
6648994	7038746	982515	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,75	up
6361923	7038746	982524	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,74	down
6550457	7038746	982529	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,68	down
6054667	7038746	982532	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,63	down
5753746	7038746	982536	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,45	down
5644332	7038746	982533	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,42	up
6229716	7038746	982520	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,39	up
6257886	7038746	982516	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,28	up
6433242	7038746	982521	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,28	up
5976638	7038746	982533	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,27	up
6420823	7038746	982530	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,25	down
6130839	7038746	982531	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,19	down
5760013	7038746	982528	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,17	down
6512547	7038746	982527	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,15	up
5731858	7038746	982521	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,15	up
6385546	7038746	982534	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,13	up

6358693	7038746	982524	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,13	down
5943273	7038746	982519	SH3 and multiple ankyrin repeat domains 2	Shank2	171093	1,09	up
6227162	7319807	1671982	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	3,00	down
5907632	7319807	1671968	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,97	up
5708429	7319807	1671972	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,91	up
6303761	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,89	down
6583400	7319807	1671986	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,86	down
6271481	7319807	1671981	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,58	down
5976703	7319807	1671967	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,45	up
5692471	7319807	1671987	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,38	down
5816673	7319807	1671984	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,38	down
6680023	7319807	1671976	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,34	down
6326952	7319807	1671966	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,34	down
5977518	7319807	1671975	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,31	down
6118011	7319807	1671971	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,24	up
5900862	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,23	up
6458077	7319807	1671989	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,22	up
6289695	7319807	1671985	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,20	up
6737415	7319807	1671974	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,20	up
6401271	7319807	1671989	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,20	down
6303967	7319807	1671986	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,18	down
6363847	7319807	1671970	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,18	down
6193146	7319807	1671977	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,16	up
6723749	7319807	1671979	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,16	up
6158632	7319807	1671966	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,15	up
6403791	7319807	1671975	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,15	up
6226831	7319807	1671985	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,15	up
6738153	7319807	1671969	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,15	down
6691204	7319807	1671976	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,14	up
6025117	7319807	1671973	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,14	down
6743150	7319807	1671980	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,13	up
6436944	7319807	1671978	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,12	down
6530907	7319807	1671988	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,07	up
6514351	7319807	1671991	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,05	down
6220969	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,05	up
6719968	7319807	1671983	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,04	down
5955507	7319807	1671990	SH3 and multiple ankyrin repeat domains 3	Shank3	59312	1,02	up
6734333	7171091	1302466	SH3 domain and tetratricopeptide repeats 2	Sh3tc2	307393	1,11	up
6388507	7171091	1302463	SH3 domain and tetratricopeptide repeats 2	Sh3tc2	307393	1,10	up
6636103	7171091	1302465	SH3 domain and tetratricopeptide repeats 2	Sh3tc2	307393	1,10	down
5766068	7171091	1302466	SH3 domain and tetratricopeptide repeats 2	Sh3tc2	307393	1,03	up
6120304	7150616	1252118	SH3 domain containing ring finger 1	Sh3rf1	306417	2,14	up
6038043	7150616	1252115	SH3 domain containing ring finger 1	Sh3rf1	306417	1,91	down
5631800	7150616	1252109	SH3 domain containing ring finger 1	Sh3rf1	306417	1,55	down
6211568	7150616	1252112	SH3 domain containing ring finger 1	Sh3rf1	306417	1,47	down
5748189	7150616	1252117	SH3 domain containing ring finger 1	Sh3rf1	306417	1,39	up
6712518	7150616	1252113	SH3 domain containing ring finger 1	Sh3rf1	306417	1,37	up
6533342	7150616	1252116	SH3 domain containing ring finger 1	Sh3rf1	306417	1,32	up
6228844	7150616	1252114	SH3 domain containing ring finger 1	Sh3rf1	306417	1,25	up
6471876	7150616	1252112	SH3 domain containing ring finger 1	Sh3rf1	306417	1,24	up
6687761	7150616	1252111	SH3 domain containing ring finger 1	Sh3rf1	306417	1,18	down
6695554	7150616	1252119	SH3 domain containing ring finger 1	Sh3rf1	306417	1,15	up
6272649	7150616	1252114	SH3 domain containing ring finger 1	Sh3rf1	306417	1,08	up
6735031	7150616	1252109	SH3 domain containing ring finger 1	Sh3rf1	306417	1,06	down
5724594	7150616	1252110	SH3 domain containing ring finger 1	Sh3rf1	306417	1,04	down
6705410	7150616	1252112	SH3 domain containing ring finger 1	Sh3rf1	306417	1,01	down
6675738	7318651	1669080	SH3-domain binding protein 1	Sh3bp1	300067	1,74	down

5916750	7318651	1669083	SH3-domain binding protein 1	Sh3bp1	300067	1,67	up
6063984	7318651	1669090	SH3-domain binding protein 1	Sh3bp1	300067	1,63	up
5923780	7318651	1669087	SH3-domain binding protein 1	Sh3bp1	300067	1,62	down
6458186	7318651	1669078	SH3-domain binding protein 1	Sh3bp1	300067	1,62	down
6209375	7318651	1669073	SH3-domain binding protein 1	Sh3bp1	300067	1,49	up
6132722	7318651	1669072	SH3-domain binding protein 1	Sh3bp1	300067	1,46	up
5966807	7318651	1669081	SH3-domain binding protein 1	Sh3bp1	300067	1,42	down
6667009	7318651	1669079	SH3-domain binding protein 1	Sh3bp1	300067	1,33	down
6572569	7318651	1669074	SH3-domain binding protein 1	Sh3bp1	300067	1,29	down
6687678	7318651	1669076	SH3-domain binding protein 1	Sh3bp1	300067	1,16	up
6319090	7318651	1669084	SH3-domain binding protein 1	Sh3bp1	300067	1,16	up
6479985	7318651	1669076	SH3-domain binding protein 1	Sh3bp1	300067	1,15	down
6373145	7318651	1669075	SH3-domain binding protein 1	Sh3bp1	300067	1,14	down
6103905	7318651	1669086	SH3-domain binding protein 1	Sh3bp1	300067	1,13	down
6284126	7318651	1669085	SH3-domain binding protein 1	Sh3bp1	300067	1,01	up
6033982	7318651	1669089	SH3-domain binding protein 1	Sh3bp1	300067	1,01	down
6738476	7318651	1669077	SH3-domain binding protein 1	Sh3bp1	300067	1,01	up
6675180	7318651	1669082	SH3-domain binding protein 1	Sh3bp1	300067	1,00	down
6154842	7127257	1194797	SH3-domain binding protein 2	Sh3bp2	305450	1,71	down
6564505	7127257	1194821	SH3-domain binding protein 2	Sh3bp2	305450	1,56	down
6218710	7127257	1194798	SH3-domain binding protein 2	Sh3bp2	305450	1,52	up
5892082	7127257	1194799	SH3-domain binding protein 2	Sh3bp2	305450	1,26	up
6745659	7148818	1248071	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	2,41	down
6728098	7148818	1248065	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,72	down
6086586	7148818	1248070	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,68	up
6669788	7148818	1248066	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,57	down
6555721	7148818	1248069	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,49	up
5637890	7148818	1248075	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,44	up
5743984	7148818	1248073	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,31	down
5817645	7148818	1248072	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,28	down
6410515	7148818	1248068	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,28	down
6285115	7148818	1248075	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,28	up
5628638	7148818	1248067	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,18	down
6120040	7148818	1248074	SH3-domain binding protein 5 (BTK-associated)	Sh3bp5	117186	1,04	down
5633353	7277783	1567420	SH3-domain GRB2-like (endophilin) interacting protein 1	Sgip1	313413	2,38	down
6711035	7215239	1410966	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	3,59	down
6453791	7215239	1410966	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	2,10	down
6350009	7215239	1410965	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,40	up
6076742	7215239	1410959	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,27	down
6371011	7215239	1410960	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,18	down
6501061	7215239	1410964	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,17	up
5989567	7215239	1410958	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,13	up
6258179	7215239	1410956	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,12	up
5719791	7215239	1410958	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,10	up
6578774	7215239	1410963	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,08	up
6689110	7215239	1410961	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,07	down
6541885	7215239	1410957	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,05	down
5852861	7215239	1410957	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,02	down
6084236	7215239	1410962	SH3-domain GRB2-like endophilin B1	Sh3glb1	292156	1,00	up
6547323	7244288	1484135	SHC (Src homology 2 domain containing) family, member 4	Shc4	679845	2,06	down
5712938	7244288	1484135	SHC (Src homology 2 domain containing) family, member 4	Shc4	679845	1,24	down
5980003	7312627	1653482	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,80	up
5630404	7312627	1653487	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,36	up
6602457	7312627	1653476	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,34	down
5800344	7312627	1653491	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,27	up
5872599	7312627	1653481	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,24	up
5781665	7312627	1653472	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,24	down

6188203	7312627	1653484	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,20	up
6361030	7312627	1653483	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,16	down
6140747	7312627	1653487	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,15	down
6147674	7312627	1653479	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,11	up
6671458	7312627	1653477	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,10	up
6714209	7312627	1653480	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,07	down
6615200	7312627	1653478	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,06	down
6125565	7312627	1653492	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,03	down
6207432	7312627	1653472	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,01	up
5846223	7312627	1653472	SHC (Src homology 2 domain containing) transforming protein 2	Shc2	314612	1,00	down
5795918	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	2,70	up
6365710	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	2,49	up
6732561	7155882	1265380	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,44	down
6578493	7155882	1265371	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,32	up
6687642	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,23	down
5948920	7155882	1265378	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,21	down
6697177	7155882	1265373	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,21	down
5890880	7155882	1265382	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,20	down
6363190	7155882	1265374	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,19	down
6518920	7155882	1265382	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,16	down
6742135	7155882	1265368	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,15	down
6629014	7155882	1265375	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,14	down
6544456	7155882	1265361	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,13	down
5872695	7155882	1265379	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,04	up
5650238	7155882	1265383	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,03	down
6582121	7155882	1265372	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,02	down
6401000	7155882	1265377	SHC (Src homology 2 domain containing) transforming protein 3	Shc3	114858	1,02	up
6447491	7334855	1706951	sialic acid acetyltransferase	Siae	363045	2,12	up
5683736	7334855	1706955	sialic acid acetyltransferase	Siae	363045	1,81	down
6147572	7334855	1706954	sialic acid acetyltransferase	Siae	363045	1,79	down
6379435	7334855	1706949	sialic acid acetyltransferase	Siae	363045	1,78	down
6448055	7334855	1706956	sialic acid acetyltransferase	Siae	363045	1,58	up
6138940	7334855	1706951	sialic acid acetyltransferase	Siae	363045	1,46	down
6432495	7334855	1706948	sialic acid acetyltransferase	Siae	363045	1,40	down
6372482	7334855	1706957	sialic acid acetyltransferase	Siae	363045	1,22	up
5661089	7334855	1706949	sialic acid acetyltransferase	Siae	363045	1,20	down
6534199	7334855	1706943	sialic acid acetyltransferase	Siae	363045	1,20	up
6583292	7334855	1706956	sialic acid acetyltransferase	Siae	363045	1,12	up
6660962	7334855	1706950	sialic acid acetyltransferase	Siae	363045	1,07	down
5944795	7334855	1706944	sialic acid acetyltransferase	Siae	363045	1,05	up
5671082	7334855	1706945	sialic acid acetyltransferase	Siae	363045	1,03	down
6575206	7088135	1098395	SID1 transmembrane family, member 1	Sidt1	288109	2,53	up
6709709	7088135	1098401	SID1 transmembrane family, member 1	Sidt1	288109	2,05	up
5825925	7088135	1098419	SID1 transmembrane family, member 1	Sidt1	288109	1,86	down
5779151	7088135	1098409	SID1 transmembrane family, member 1	Sidt1	288109	1,66	up
6443855	7088135	1098392	SID1 transmembrane family, member 1	Sidt1	288109	1,51	up
5811696	7088135	1098416	SID1 transmembrane family, member 1	Sidt1	288109	1,51	up
5948615	7088135	1098408	SID1 transmembrane family, member 1	Sidt1	288109	1,50	down
5691069	7088135	1098406	SID1 transmembrane family, member 1	Sidt1	288109	1,37	up
5916520	7088135	1098384	SID1 transmembrane family, member 1	Sidt1	288109	1,34	down
6427850	7088135	1098399	SID1 transmembrane family, member 1	Sidt1	288109	1,32	down
6445376	7088135	1098414	SID1 transmembrane family, member 1	Sidt1	288109	1,28	up
6046245	7088135	1098396	SID1 transmembrane family, member 1	Sidt1	288109	1,28	up
6220259	7088135	1098411	SID1 transmembrane family, member 1	Sidt1	288109	1,21	up
6741178	7088135	1098405	SID1 transmembrane family, member 1	Sidt1	288109	1,20	up
6044978	7088135	1098391	SID1 transmembrane family, member 1	Sidt1	288109	1,18	down
6227817	7088135	1098417	SID1 transmembrane family, member 1	Sidt1	288109	1,17	down

6412756	7088135	1098404	SID1 transmembrane family, member 1	Sidt1	288109	1,12	up
5735427	7088135	1098415	SID1 transmembrane family, member 1	Sidt1	288109	1,12	up
6575211	7088135	1098398	SID1 transmembrane family, member 1	Sidt1	288109	1,08	up
6125115	7088135	1098410	SID1 transmembrane family, member 1	Sidt1	288109	1,08	down
5685926	7088135	1098394	SID1 transmembrane family, member 1	Sidt1	288109	1,08	up
6147959	7088135	1098413	SID1 transmembrane family, member 1	Sidt1	288109	1,05	down
5717720	7088135	1098397	SID1 transmembrane family, member 1	Sidt1	288109	1,04	down
6397598	7088135	1098407	SID1 transmembrane family, member 1	Sidt1	288109	1,04	down
5894330	7084193	1089113	sidekick homolog 2 (chicken)	Sdk2	360652	2,16	down
6292806	7084193	1089064	sidekick homolog 2 (chicken)	Sdk2	360652	2,02	down
6535760	7084193	1089090	sidekick homolog 2 (chicken)	Sdk2	360652	1,99	down
6429762	7084193	1089117	sidekick homolog 2 (chicken)	Sdk2	360652	1,84	down
6240056	7084193	1089097	sidekick homolog 2 (chicken)	Sdk2	360652	1,82	up
5625151	7084193	1089055	sidekick homolog 2 (chicken)	Sdk2	360652	1,73	down
5980142	7084193	1089085	sidekick homolog 2 (chicken)	Sdk2	360652	1,71	down
5787745	7084193	1089078	sidekick homolog 2 (chicken)	Sdk2	360652	1,68	down
6111846	7084193	1089091	sidekick homolog 2 (chicken)	Sdk2	360652	1,65	down
6617478	7084193	1089049	sidekick homolog 2 (chicken)	Sdk2	360652	1,61	up
6743549	7084193	1089084	sidekick homolog 2 (chicken)	Sdk2	360652	1,59	down
5657980	7084193	1089056	sidekick homolog 2 (chicken)	Sdk2	360652	1,58	up
5784001	7084193	1089155	sidekick homolog 2 (chicken)	Sdk2	360652	1,52	down
5871972	7084193	1089049	sidekick homolog 2 (chicken)	Sdk2	360652	1,47	down
6164420	7084193	1089074	sidekick homolog 2 (chicken)	Sdk2	360652	1,47	down
6194957	7084193	1089069	sidekick homolog 2 (chicken)	Sdk2	360652	1,42	down
5661719	7084193	1089068	sidekick homolog 2 (chicken)	Sdk2	360652	1,41	down
5833279	7084193	1089154	sidekick homolog 2 (chicken)	Sdk2	360652	1,41	down
6536011	7084193	1089102	sidekick homolog 2 (chicken)	Sdk2	360652	1,41	down
5738867	7084193	1089061	sidekick homolog 2 (chicken)	Sdk2	360652	1,38	up
6153348	7084193	1089089	sidekick homolog 2 (chicken)	Sdk2	360652	1,36	up
6044701	7084193	1089074	sidekick homolog 2 (chicken)	Sdk2	360652	1,33	up
6329613	7084193	1089080	sidekick homolog 2 (chicken)	Sdk2	360652	1,30	up
6741188	7084193	1089098	sidekick homolog 2 (chicken)	Sdk2	360652	1,29	up
5917109	7084193	1089103	sidekick homolog 2 (chicken)	Sdk2	360652	1,28	up
6229428	7084193	1089055	sidekick homolog 2 (chicken)	Sdk2	360652	1,25	down
6116310	7084193	1089065	sidekick homolog 2 (chicken)	Sdk2	360652	1,24	up
6500099	7084193	1089075	sidekick homolog 2 (chicken)	Sdk2	360652	1,24	up
5827723	7084193	1089087	sidekick homolog 2 (chicken)	Sdk2	360652	1,24	down
6474889	7084193	1089073	sidekick homolog 2 (chicken)	Sdk2	360652	1,24	down
6427045	7084193	1089072	sidekick homolog 2 (chicken)	Sdk2	360652	1,23	up
5895234	7084193	1089100	sidekick homolog 2 (chicken)	Sdk2	360652	1,22	down
5627490	7084193	1089054	sidekick homolog 2 (chicken)	Sdk2	360652	1,21	up
6030525	7084193	1089092	sidekick homolog 2 (chicken)	Sdk2	360652	1,20	up
6238698	7084193	1089082	sidekick homolog 2 (chicken)	Sdk2	360652	1,19	down
6664861	7084193	1089098	sidekick homolog 2 (chicken)	Sdk2	360652	1,18	down
6661862	7084193	1089071	sidekick homolog 2 (chicken)	Sdk2	360652	1,18	down
6486987	7084193	1089086	sidekick homolog 2 (chicken)	Sdk2	360652	1,17	up
6322618	7084193	1089079	sidekick homolog 2 (chicken)	Sdk2	360652	1,15	down
5741430	7084193	1089104	sidekick homolog 2 (chicken)	Sdk2	360652	1,14	up
6615980	7084193	1089108	sidekick homolog 2 (chicken)	Sdk2	360652	1,12	up
6144137	7084193	1089083	sidekick homolog 2 (chicken)	Sdk2	360652	1,11	up
5822362	7084193	1089101	sidekick homolog 2 (chicken)	Sdk2	360652	1,10	up
6267685	7084193	1089093	sidekick homolog 2 (chicken)	Sdk2	360652	1,08	down
6541625	7084193	1089076	sidekick homolog 2 (chicken)	Sdk2	360652	1,07	up
6569975	7084193	1089066	sidekick homolog 2 (chicken)	Sdk2	360652	1,05	down
6389832	7084193	1089094	sidekick homolog 2 (chicken)	Sdk2	360652	1,04	up
6145942	7084193	1089126	sidekick homolog 2 (chicken)	Sdk2	360652	1,01	down
5947555	7042417	991349	sideroflexin 3	Sfxn3	65042	2,10	up

6164780	7042417	991353	sideroflexin 3	Sfxn3	65042	1,96	down
5691555	7042417	991343	sideroflexin 3	Sfxn3	65042	1,76	down
6522189	7042417	991353	sideroflexin 3	Sfxn3	65042	1,64	down
6372441	7042417	991346	sideroflexin 3	Sfxn3	65042	1,62	up
6179987	7042417	991352	sideroflexin 3	Sfxn3	65042	1,43	up
5908318	7042417	991348	sideroflexin 3	Sfxn3	65042	1,26	up
5815067	7042417	991350	sideroflexin 3	Sfxn3	65042	1,15	up
5733435	7042417	991351	sideroflexin 3	Sfxn3	65042	1,14	down
5863749	7042417	991342	sideroflexin 3	Sfxn3	65042	1,08	down
5959961	7042417	991344	sideroflexin 3	Sfxn3	65042	1,08	down
5894087	7042417	991353	sideroflexin 3	Sfxn3	65042	1,07	down
5691310	7042417	991345	sideroflexin 3	Sfxn3	65042	1,03	down
6201038	7042417	991347	sideroflexin 3	Sfxn3	65042	1,01	up
6358601	7064372	1042165	sideroflexin 4	Sfxn4	361778	3,44	down
5643264	7064372	1042178	sideroflexin 4	Sfxn4	361778	1,97	up
6584197	7064372	1042171	sideroflexin 4	Sfxn4	361778	1,53	up
6290708	7064372	1042175	sideroflexin 4	Sfxn4	361778	1,33	up
6522790	7064372	1042162	sideroflexin 4	Sfxn4	361778	1,32	down
6251630	7064372	1042164	sideroflexin 4	Sfxn4	361778	1,31	up
6549749	7064372	1042174	sideroflexin 4	Sfxn4	361778	1,30	up
6450589	7064372	1042162	sideroflexin 4	Sfxn4	361778	1,27	up
6604538	7064372	1042163	sideroflexin 4	Sfxn4	361778	1,13	down
5894577	7064372	1042167	sideroflexin 4	Sfxn4	361778	1,09	down
6072186	7064372	1042169	sideroflexin 4	Sfxn4	361778	1,09	up
5851405	7064372	1042170	sideroflexin 4	Sfxn4	361778	1,08	up
6615062	7064372	1042162	sideroflexin 4	Sfxn4	361778	1,06	down
5637450	7064372	1042165	sideroflexin 4	Sfxn4	361778	1,06	down
6710567	7064372	1042173	sideroflexin 4	Sfxn4	361778	1,06	up
5883140	7064372	1042172	sideroflexin 4	Sfxn4	361778	1,05	down
6455398	7064372	1042168	sideroflexin 4	Sfxn4	361778	1,04	up
6398245	7064372	1042162	sideroflexin 4	Sfxn4	361778	1,00	down
6670655	7330223	1695851	signal peptide, CUB domain, EGF-like 1	Scube1	315174	2,23	up
5624246	7330223	1695847	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,93	down
5985165	7330223	1695869	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,78	up
5631350	7330223	1695844	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,42	up
6168169	7330223	1695837	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,31	down
6329209	7330223	1695852	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,29	up
5998838	7330223	1695854	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,25	up
6536762	7330223	1695848	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,23	down
6514248	7330223	1695850	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,18	up
5617871	7330223	1695836	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,17	down
5911764	7330223	1695886	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,15	down
6709655	7330223	1695842	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,13	down
6255102	7330223	1695833	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,13	down
5874776	7330223	1695869	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,13	down
5636916	7330223	1695895	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,11	down
6032384	7330223	1695835	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,10	down
6338484	7330223	1695843	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,08	down
6653196	7330223	1695835	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,07	down
6500389	7330223	1695875	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,07	down
6638311	7330223	1695845	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,05	up
6466891	7330223	1695866	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,04	up
6130691	7330223	1695897	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,03	down
6142880	7330223	1695834	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,03	up
6375986	7330223	1695839	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,03	up
5926950	7330223	1695863	signal peptide, CUB domain, EGF-like 1	Scube1	315174	1,00	down
6065734	7311784	1651668	signal transducer and activator of transcription 2	Stat2	288774	2,29	down

6371930	7311784	1651676	signal transducer and activator of transcription 2	Stat2	288774	1,96	down
6204435	7311784	1651669	signal transducer and activator of transcription 2	Stat2	288774	1,69	up
6077938	7311784	1651680	signal transducer and activator of transcription 2	Stat2	288774	1,65	up
5643283	7311784	1651686	signal transducer and activator of transcription 2	Stat2	288774	1,61	down
6450110	7311784	1651667	signal transducer and activator of transcription 2	Stat2	288774	1,47	up
6473479	7311784	1651685	signal transducer and activator of transcription 2	Stat2	288774	1,43	down
6273787	7311784	1651673	signal transducer and activator of transcription 2	Stat2	288774	1,38	down
6568266	7311784	1651666	signal transducer and activator of transcription 2	Stat2	288774	1,32	up
6427593	7311784	1651677	signal transducer and activator of transcription 2	Stat2	288774	1,29	up
5881934	7311784	1651674	signal transducer and activator of transcription 2	Stat2	288774	1,21	up
6549303	7311784	1651671	signal transducer and activator of transcription 2	Stat2	288774	1,20	down
5764603	7311784	1651687	signal transducer and activator of transcription 2	Stat2	288774	1,20	up
6106429	7311784	1651678	signal transducer and activator of transcription 2	Stat2	288774	1,20	up
5677859	7311784	1651670	signal transducer and activator of transcription 2	Stat2	288774	1,19	down
6745539	7311784	1651684	signal transducer and activator of transcription 2	Stat2	288774	1,18	down
5847482	7311784	1651683	signal transducer and activator of transcription 2	Stat2	288774	1,14	up
6414474	7311784	1651681	signal transducer and activator of transcription 2	Stat2	288774	1,11	up
5912161	7311784	1651672	signal transducer and activator of transcription 2	Stat2	288774	1,10	up
5919286	7311784	1651682	signal transducer and activator of transcription 2	Stat2	288774	1,08	up
6137926	7311784	1651665	signal transducer and activator of transcription 2	Stat2	288774	1,06	up
6075010	7311784	1651679	signal transducer and activator of transcription 2	Stat2	288774	1,04	up
6072783	7311784	1651664	signal transducer and activator of transcription 2	Stat2	288774	1,02	down
6061091	7311784	1651675	signal transducer and activator of transcription 2	Stat2	288774	1,00	down
6556067	7362023	1774245	signal transducer and activator of transcription 4	Stat4	367264	2,49	up
6578730	7362023	1774244	signal transducer and activator of transcription 4	Stat4	367264	1,66	up
5836871	7362023	1774243	signal transducer and activator of transcription 4	Stat4	367264	1,59	down
5721510	7362023	1774247	signal transducer and activator of transcription 4	Stat4	367264	1,49	down
6218416	7362023	1774250	signal transducer and activator of transcription 4	Stat4	367264	1,44	down
6569468	7362023	1774265	signal transducer and activator of transcription 4	Stat4	367264	1,34	up
6102952	7362023	1774262	signal transducer and activator of transcription 4	Stat4	367264	1,22	up
6193725	7362023	1774248	signal transducer and activator of transcription 4	Stat4	367264	1,21	down
6023615	7362023	1774257	signal transducer and activator of transcription 4	Stat4	367264	1,19	up
6609833	7362023	1774261	signal transducer and activator of transcription 4	Stat4	367264	1,17	down
6553097	7362023	1774249	signal transducer and activator of transcription 4	Stat4	367264	1,17	up
5886181	7362023	1774251	signal transducer and activator of transcription 4	Stat4	367264	1,15	up
6521225	7362023	1774259	signal transducer and activator of transcription 4	Stat4	367264	1,13	down
6483341	7362023	1774264	signal transducer and activator of transcription 4	Stat4	367264	1,11	down
5796406	7362023	1774253	signal transducer and activator of transcription 4	Stat4	367264	1,10	up
6638624	7362023	1774260	signal transducer and activator of transcription 4	Stat4	367264	1,09	up
5841406	7362023	1774255	signal transducer and activator of transcription 4	Stat4	367264	1,08	up
6206194	7362023	1774252	signal transducer and activator of transcription 4	Stat4	367264	1,08	up
6228248	7362023	1774243	signal transducer and activator of transcription 4	Stat4	367264	1,07	down
6369751	7362023	1774257	signal transducer and activator of transcription 4	Stat4	367264	1,06	up
6398228	7362023	1774258	signal transducer and activator of transcription 4	Stat4	367264	1,05	up
5673455	7362023	1774265	signal transducer and activator of transcription 4	Stat4	367264	1,04	down
5690033	7362023	1774254	signal transducer and activator of transcription 4	Stat4	367264	1,04	down
6092203	7362023	1774257	signal transducer and activator of transcription 4	Stat4	367264	1,01	down
5817426	7362023	1774263	signal transducer and activator of transcription 4	Stat4	367264	1,00	up
6498634	7362023	1774246	signal transducer and activator of transcription 4	Stat4	367264	1,00	up
6740330	7362023	1774256	signal transducer and activator of transcription 4	Stat4	367264	1,00	up
5668215	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,56	down
6343272	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,34	up
5739300	7341546	1723973	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,30	up
6503878	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,22	down
6225195	7341546	1723978	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,21	down
5844348	7341546	1723963	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,17	up
5625930	7341546	1723958	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,17	up

6507339	7341546	1723969	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,16	up
6526013	7341546	1723947	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,13	up
6162686	7341546	1723972	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,13	up
5966991	7341546	1723968	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,12	up
5624574	7341546	1723958	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,11	up
6249227	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,09	up
6619372	7341546	1723979	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,09	up
5940304	7341546	1723978	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,09	up
6723106	7341546	1723967	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,08	up
5740117	7341546	1723977	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,05	down
5840928	7341546	1723978	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,05	down
6217319	7341546	1723971	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,04	up
6166034	7341546	1723964	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,04	up
6225824	7341546	1723975	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,04	down
6106338	7341546	1723961	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,02	down
5907578	7341546	1723965	similar to 106 kDa O-GlcNAc transferase-interacting protein	RGD1307844	316085	1,02	up
6244908	7337242	1712711	similar to 2010321M09Rik protein	RGD1359616	300782	2,10	up
6078186	7337242	1712709	similar to 2010321M09Rik protein	RGD1359616	300782	1,41	down
6240932	7337242	1712701	similar to 2010321M09Rik protein	RGD1359616	300782	1,23	down
6328899	7337242	1712712	similar to 2010321M09Rik protein	RGD1359616	300782	1,19	down
5731191	7337242	1712703	similar to 2010321M09Rik protein	RGD1359616	300782	1,16	down
5927736	7337242	1712702	similar to 2010321M09Rik protein	RGD1359616	300782	1,15	up
6538184	7337242	1712704	similar to 2010321M09Rik protein	RGD1359616	300782	1,11	down
5773931	7337242	1712705	similar to 2010321M09Rik protein	RGD1359616	300782	1,10	up
6730432	7337242	1712710	similar to 2010321M09Rik protein	RGD1359616	300782	1,04	up
5976338	7337242	1712701	similar to 2010321M09Rik protein	RGD1359616	300782	1,04	down
6409931	7337242	1712706	similar to 2010321M09Rik protein	RGD1359616	300782	1,04	down
5968538	7337242	1712707	similar to 2010321M09Rik protein	RGD1359616	300782	1,04	up
6002500	7337242	1712700	similar to 2010321M09Rik protein	RGD1359616	300782	1,04	up
5737692	7337242	1712708	similar to 2010321M09Rik protein	RGD1359616	300782	1,00	up
6455454	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,55	up
6269327	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,33	down
5714098	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,23	up
6371277	7139708	1225053	similar to 2610301G19Rik protein	RGD1309922	306007	1,20	up
6045016	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,16	down
6160902	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,13	up
6506578	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,12	down
5679235	7139708	1225051	similar to 2610301G19Rik protein	RGD1309922	306007	1,04	down
6477183	7350837	1746979	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	2,22	down
6602105	7350837	1746978	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,87	up
6103450	7350837	1746974	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,40	down
6378487	7350837	1746980	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,36	up
6246125	7350837	1746972	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,36	down
5831939	7350837	1746975	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,35	up
6002164	7350837	1746981	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,24	up
6156704	7350837	1746977	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,19	down
5702184	7350837	1746973	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,18	down
6329594	7350837	1746969	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,07	down
6174563	7350837	1746976	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,06	down
6427122	7350837	1746970	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,06	up
5984833	7350837	1746971	similar to 3-ketoacyl-CoA thiolase B, peroxisomal precursor (Beta-ketothiolase B)	RGD1562373	501072	1,00	down
6468680	7031618	964191	similar to 5E5 antigen	LOC691056	691056	2,08	down
6082314	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,74	up
6352102	7031618	964188	similar to 5E5 antigen	LOC691056	691056	1,68	down
6237579	7031618	964194	similar to 5E5 antigen	LOC691056	691056	1,65	down
6546934	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,45	down
6743332	7031618	964192	similar to 5E5 antigen	LOC691056	691056	1,45	down

5746762	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,43	down
5743827	7031618	964195	similar to 5E5 antigen	LOC691056	691056	1,40	down
6395869	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,37	down
6425508	7031618	964193	similar to 5E5 antigen	LOC691056	691056	1,30	down
6701149	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,30	up
5737788	7031618	964198	similar to 5E5 antigen	LOC691056	691056	1,30	up
5889202	7031618	964196	similar to 5E5 antigen	LOC691056	691056	1,25	down
6663919	7031618	964191	similar to 5E5 antigen	LOC691056	691056	1,18	up
5989569	7031618	964189	similar to 5E5 antigen	LOC691056	691056	1,16	up
5908204	7031618	964197	similar to 5E5 antigen	LOC691056	691056	1,09	up
6067525	7031618	964190	similar to 5E5 antigen	LOC691056	691056	1,01	down
6289017	7152007	1255325	similar to 6430573F11Rik protein	RGD1304810	306504	2,28	down
6584901	7152007	1255302	similar to 6430573F11Rik protein	RGD1304810	306504	1,46	down
5925676	7152007	1255312	similar to 6430573F11Rik protein	RGD1304810	306504	1,40	up
5730766	7152007	1255302	similar to 6430573F11Rik protein	RGD1304810	306504	1,34	down
6632670	7152007	1255326	similar to 6430573F11Rik protein	RGD1304810	306504	1,34	down
6070613	7152007	1255307	similar to 6430573F11Rik protein	RGD1304810	306504	1,27	down
5695239	7152007	1255326	similar to 6430573F11Rik protein	RGD1304810	306504	1,27	up
6102105	7152007	1255302	similar to 6430573F11Rik protein	RGD1304810	306504	1,25	down
6266307	7152007	1255314	similar to 6430573F11Rik protein	RGD1304810	306504	1,10	down
6061374	7152007	1255326	similar to 6430573F11Rik protein	RGD1304810	306504	1,10	up
6497802	7152007	1255325	similar to 6430573F11Rik protein	RGD1304810	306504	1,08	down
5885300	7152007	1255314	similar to 6430573F11Rik protein	RGD1304810	306504	1,07	up
6328050	7152007	1255302	similar to 6430573F11Rik protein	RGD1304810	306504	1,07	up
6585677	7152007	1255302	similar to 6430573F11Rik protein	RGD1304810	306504	1,05	down
6046334	7152007	1255302	similar to 6430573F11Rik protein	RGD1304810	306504	1,03	down
6093046	7152007	1255307	similar to 6430573F11Rik protein	RGD1304810	306504	1,02	up
6184448	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,62	up
6701491	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,19	down
6263162	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,02	down
6687211	7092549	1109117	similar to ABI gene family, member 3 (NESH) binding protein	RGD1562717	363767	1,01	up
6133670	7115771	1166590	similar to actin, gamma 2, smooth muscle, enteric	LOC360902	360902	2,50	up
5985909	7115771	1166590	similar to actin, gamma 2, smooth muscle, enteric	LOC360902	360902	1,64	up
6392974	7115771	1166590	similar to actin, gamma 2, smooth muscle, enteric	LOC360902	360902	1,52	down
6102664	7115771	1166591	similar to actin, gamma 2, smooth muscle, enteric	LOC360902	360902	1,10	up
5702351	7351333	1748156	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	2,09	up
5947875	7351333	1748156	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	1,39	up
5635317	7351333	1748159	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	1,22	down
6197210	7351333	1748158	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	1,15	down
6115638	7351333	1748160	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	1,09	down
6656863	7351333	1748158	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	1,08	down
6400050	7351333	1748157	similar to Acyl-CoA dehydrogenase family member 8, mitochondrial precursor (ACAD-8) (Isobutyry	LOC367196	367196	1,00	down
5785836	7039589	984518	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,65	down
5974046	7039589	984521	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,45	down
6636321	7039589	984511	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,38	up
5664795	7039589	984515	similar to AHNAK nucleoprotein isoform 2	LOC686579	686579	1,30	up
6067316	7359453	1768449	similar to AI661453 protein	RGD1561662	301232	1,57	up
5823584	7359453	1768453	similar to AI661453 protein	RGD1561662	301232	1,33	up
6060141	7359453	1768460	similar to AI661453 protein	RGD1561662	301232	1,19	up
6302830	7374090	1806828	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	2,26	down
6134582	7374090	1806832	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,54	down
6126390	7374090	1806832	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,42	up
6184760	7374090	1806832	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,40	down
6202432	7374090	1806829	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,33	up
6174178	7374090	1806832	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,33	down
6099038	7374090	1806828	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,33	up
6009183	7374090	1806823	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,30	up

5704844	7374090	1806832	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,27	down
6508552	7374090	1806833	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,17	up
5792715	7374090	1806816	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,06	up
6044226	7374090	1806830	similar to AMME syndrome candidate gene 1 protein homolog	RGD1561004	501539	1,02	up
5922642	7355138	1757684	similar to amyotrophic lateral sclerosis 2 (juvenile) chromosome region, candidate 19 isoform b	LOC301455	301455	1,20	up
5721715	7181442	1328887	similar to ATM/ATR-Substrate Chk2-Interacting Zn2+-finger protein	LOC499230	499230	1,07	up
6118926	7253976	1507430	similar to B230212L03Rik protein	MGC95152	297109	2,35	up
6542322	7253976	1507431	similar to B230212L03Rik protein	MGC95152	297109	2,02	up
6052643	7253976	1507433	similar to B230212L03Rik protein	MGC95152	297109	1,88	down
6076336	7253976	1507430	similar to B230212L03Rik protein	MGC95152	297109	1,28	down
6371573	7253976	1507432	similar to B230212L03Rik protein	MGC95152	297109	1,03	up
5914640	7075460	1069417	similar to BAI1-associated protein 3 (BAP3)	LOC682192	682192	3,02	up
6631961	7075460	1069396	similar to BAI1-associated protein 3 (BAP3)	LOC682192	682192	1,53	down
5719457	7075460	1069383	similar to BAI1-associated protein 3 (BAP3)	LOC682192	682192	1,43	up
6470044	7144088	1236189	similar to B-cell novel protein 1	LOC498604	498604	2,73	down
5771977	7144088	1236178	similar to B-cell novel protein 1	LOC498604	498604	2,58	down
6291098	7144088	1236175	similar to B-cell novel protein 1	LOC498604	498604	1,79	up
6349887	7144088	1236179	similar to B-cell novel protein 1	LOC498604	498604	1,73	down
6114467	7144088	1236182	similar to B-cell novel protein 1	LOC498604	498604	1,49	up
6160110	7144088	1236188	similar to B-cell novel protein 1	LOC498604	498604	1,45	down
6577355	7144088	1236178	similar to B-cell novel protein 1	LOC498604	498604	1,26	down
6714625	7144088	1236176	similar to B-cell novel protein 1	LOC498604	498604	1,23	up
5912802	7144088	1236181	similar to B-cell novel protein 1	LOC498604	498604	1,22	down
6573790	7144088	1236182	similar to B-cell novel protein 1	LOC498604	498604	1,20	up
5727356	7144088	1236184	similar to B-cell novel protein 1	LOC498604	498604	1,19	down
6298849	7144088	1236187	similar to B-cell novel protein 1	LOC498604	498604	1,16	up
6310851	7144088	1236183	similar to B-cell novel protein 1	LOC498604	498604	1,13	down
6387452	7144088	1236190	similar to B-cell novel protein 1	LOC498604	498604	1,11	up
6307605	7144088	1236180	similar to B-cell novel protein 1	LOC498604	498604	1,08	up
5864640	7144088	1236186	similar to B-cell novel protein 1	LOC498604	498604	1,02	down
6042611	7144088	1236181	similar to B-cell novel protein 1	LOC498604	498604	1,01	up
6156585	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,61	up
6362028	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,54	up
6099593	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,50	up
6099667	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,48	down
6211493	7273744	1557022	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,41	up
5708208	7273744	1557040	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,40	up
6110966	7273744	1557031	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,35	up
6552576	7273744	1557043	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,29	down
6302631	7273744	1557042	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,20	down
6587296	7273744	1556995	similar to BTB and CNC homology 1, basic leucine zipper transcription factor 2	RGD1562865	313125	1,08	down
6381737	7236131	1463792	similar to cadherin 4	LOC311710	311710	1,09	down
5822480	7293402	1604729	similar to calmodulin-binding transcription activator 1	LOC500591	500591	2,61	down
6735469	7293402	1604694	similar to calmodulin-binding transcription activator 1	LOC500591	500591	2,17	down
5863223	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,70	up
5866798	7293402	1604695	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,62	down
6341243	7293402	1604728	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,53	up
6113703	7293402	1604719	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,51	down
5963796	7293402	1604700	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,50	down
6195462	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,49	down
6237565	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,49	down
6091119	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,48	down
5971476	7293402	1604717	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,44	down
5691295	7293402	1604702	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,35	down
6366939	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,34	up
6061502	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,31	down
6592993	7293402	1604689	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,30	up

6389903	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,29	up
5693568	7293402	1604703	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,29	up
6097267	7293402	1604736	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,29	down
6197946	7293402	1604705	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,28	up
6629585	7293402	1604689	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,26	down
6016492	7293402	1604698	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,26	up
6404836	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,25	down
6262139	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,24	down
5989360	7293402	1604760	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,24	up
6026202	7293402	1604728	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,23	down
6121008	7293402	1604799	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,23	down
6224235	7293402	1604689	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,21	down
5997675	7293402	1604831	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,19	down
5759583	7293402	1604722	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,14	down
6276034	7293402	1604723	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,13	up
6185094	7293402	1604729	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,11	up
6569962	7293402	1604700	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,08	up
5709047	7293402	1604700	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,06	up
6269014	7293402	1604701	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,05	up
5995477	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,05	down
6662031	7293402	1604697	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,05	up
6175179	7293402	1604690	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,03	up
5787569	7293402	1604696	similar to calmodulin-binding transcription activator 1	LOC500591	500591	1,01	down
5819009	7266778	1538854	similar to Camello-like 2	LOC681227	681227	1,72	up
6371160	7266778	1538854	similar to Camello-like 2 /// similar to RIKEN cDNA 1700019G17	681227 /// RGD156 681227 /// 500238		1,44	down
6270502	7266778	1538854	similar to Camello-like 2 /// similar to RIKEN cDNA 1700019G17 /// camello-like 2	:27 /// RGD156350:27 /// 500238 /// 50		1,18	up
5692021	7158269	1271075	similar to cDNA sequence AF397014	RGD1308114	361253	2,26	up
6076627	7158269	1271070	similar to cDNA sequence AF397014	RGD1308114	361253	1,94	down
6339655	7158269	1271074	similar to cDNA sequence AF397014	RGD1308114	361253	1,76	up
6311860	7158269	1271071	similar to cDNA sequence AF397014	RGD1308114	361253	1,76	down
6699593	7158269	1271068	similar to cDNA sequence AF397014	RGD1308114	361253	1,55	up
5946472	7158269	1271077	similar to cDNA sequence AF397014	RGD1308114	361253	1,34	up
5657547	7158269	1271078	similar to cDNA sequence AF397014	RGD1308114	361253	1,33	up
6453000	7158269	1271076	similar to cDNA sequence AF397014	RGD1308114	361253	1,33	down
5888432	7158269	1271080	similar to cDNA sequence AF397014	RGD1308114	361253	1,31	up
6594230	7158269	1271072	similar to cDNA sequence AF397014	RGD1308114	361253	1,22	down
6072441	7158269	1271081	similar to cDNA sequence AF397014	RGD1308114	361253	1,16	up
5925973	7158269	1271073	similar to cDNA sequence AF397014	RGD1308114	361253	1,14	down
6102828	7158269	1271079	similar to cDNA sequence AF397014	RGD1308114	361253	1,08	up
6260457	7158269	1271074	similar to cDNA sequence AF397014	RGD1308114	361253	1,06	down
6701223	7158269	1271070	similar to cDNA sequence AF397014	RGD1308114	361253	1,06	down
6225013	7158269	1271069	similar to cDNA sequence AF397014	RGD1308114	361253	1,05	down
6650759	7093201	1110640	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	2,32	down
6466642	7093201	1110636	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,50	up
5727116	7093201	1110635	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,49	up
6260470	7093201	1110631	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,48	down
6497671	7093201	1110632	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,43	down
5696449	7093201	1110634	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,22	up
6125638	7093201	1110639	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,19	down
6071877	7093201	1110638	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,08	down
6447583	7093201	1110633	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,02	up
5952268	7093201	1110637	similar to cDNA sequence BC027231; hypothetical protein MGC27931	RGD1311458	303948	1,01	up
6502291	7349546	1743794	similar to CDV-3B	LOC315970	315970	2,41	down
5649947	7349546	1743794	similar to CDV-3B	LOC315970	315970	1,45	down
5905216	7349546	1743791	similar to CDV-3B	LOC315970	315970	1,43	down
6064717	7349546	1743792	similar to CDV-3B	LOC315970	315970	1,12	up
6165843	7349546	1743790	similar to CDV-3B	LOC315970	315970	1,10	up

5794460	7349546	1743791	similar to CDV-3B	LOC315970	315970	1,05	up
6022619	7349546	1743792	similar to CDV-3B	LOC315970	315970	1,04	down
6227483	7349546	1743793	similar to CDV-3B	LOC315970	315970	1,02	down
6331615	7141456	1229591	similar to CG10084-PA	RGD1308297	306137	1,73	up
6719373	7141456	1229599	similar to CG10084-PA	RGD1308297	306137	1,54	down
5776153	7141456	1229604	similar to CG10084-PA	RGD1308297	306137	1,42	down
6310137	7141456	1229608	similar to CG10084-PA	RGD1308297	306137	1,42	down
5803543	7141456	1229591	similar to CG10084-PA	RGD1308297	306137	1,34	down
5696632	7141456	1229595	similar to CG10084-PA	RGD1308297	306137	1,33	up
6635796	7141456	1229612	similar to CG10084-PA	RGD1308297	306137	1,30	down
5998704	7141456	1229613	similar to CG10084-PA	RGD1308297	306137	1,28	down
6314840	7141456	1229616	similar to CG10084-PA	RGD1308297	306137	1,24	down
5647180	7141456	1229611	similar to CG10084-PA	RGD1308297	306137	1,24	down
6210120	7141456	1229591	similar to CG10084-PA	RGD1308297	306137	1,18	down
6625665	7141456	1229605	similar to CG10084-PA	RGD1308297	306137	1,17	down
6356380	7141456	1229603	similar to CG10084-PA	RGD1308297	306137	1,15	up
6300898	7141456	1229606	similar to CG10084-PA	RGD1308297	306137	1,12	down
5718027	7141456	1229589	similar to CG10084-PA	RGD1308297	306137	1,11	up
6279086	7141456	1229592	similar to CG10084-PA	RGD1308297	306137	1,11	down
6705393	7141456	1229591	similar to CG10084-PA	RGD1308297	306137	1,11	up
6168891	7141456	1229614	similar to CG10084-PA	RGD1308297	306137	1,09	down
5895890	7141456	1229609	similar to CG10084-PA	RGD1308297	306137	1,08	down
6052003	7141456	1229597	similar to CG10084-PA	RGD1308297	306137	1,08	down
5666499	7141456	1229598	similar to CG10084-PA	RGD1308297	306137	1,08	up
6578867	7141456	1229611	similar to CG10084-PA	RGD1308297	306137	1,07	down
5776425	7141456	1229607	similar to CG10084-PA	RGD1308297	306137	1,07	up
6673442	7141456	1229596	similar to CG10084-PA	RGD1308297	306137	1,06	up
6299862	7141456	1229607	similar to CG10084-PA	RGD1308297	306137	1,03	up
5787983	7141456	1229600	similar to CG10084-PA	RGD1308297	306137	1,02	up
6004484	7141456	1229602	similar to CG10084-PA	RGD1308297	306137	1,02	up
6319646	7050167	1009803	similar to CG11133-PA	LOC689639	689639	2,13	down
6102040	7050167	1009806	similar to CG11133-PA	LOC689639	689639	1,48	down
6014200	7050167	1009812	similar to CG11133-PA	LOC689639	689639	1,26	down
6128083	7050167	1009804	similar to CG11133-PA	LOC689639	689639	1,24	up
6222681	7050167	1009807	similar to CG11133-PA	LOC689639	689639	1,16	up
6444522	7050167	1009813	similar to CG11133-PA	LOC689639	689639	1,13	down
6536904	7050167	1009808	similar to CG11133-PA	LOC689639	689639	1,12	down
6687920	7050167	1009805	similar to CG11133-PA	LOC689639	689639	1,11	up
5651429	7050167	1009809	similar to CG11133-PA	LOC689639	689639	1,04	up
6033954	7050167	1009801	similar to CG11133-PA	LOC689639	689639	1,03	up
6507930	7050167	1009810	similar to CG11133-PA	LOC689639	689639	1,02	down
6482680	7050167	1009802	similar to CG11133-PA	LOC689639	689639	1,01	up
6115213	7050167	1009811	similar to CG11133-PA	LOC689639	689639	1,00	down
6447327	7050167	1009811	similar to CG11133-PA	LOC689639	689639	1,00	up
6547513	7318714	1669224	similar to CG11259-PA	RGD1305415	362958	2,90	down
6317913	7033337	969509	similar to CG13745-PA	LOC683179	683179	2,09	down
6083474	7033337	969502	similar to CG13745-PA	LOC683179	683179	1,67	up
5970892	7033337	969502	similar to CG13745-PA	LOC683179	683179	1,51	down
5959458	7033337	969516	similar to CG13745-PA	LOC683179	683179	1,43	down
6086941	7033337	969514	similar to CG13745-PA	LOC683179	683179	1,23	up
5982972	7033337	969477	similar to CG13745-PA	LOC683179	683179	1,18	down
6036319	7033337	969503	similar to CG13745-PA	LOC683179	683179	1,16	down
5793087	7033337	969481	similar to CG13745-PA	LOC683179	683179	1,13	down
6645792	7033337	969513	similar to CG13745-PA	LOC683179	683179	1,12	down
5986489	7033337	969478	similar to CG13745-PA	LOC683179	683179	1,11	up
6028443	7033337	969508	similar to CG13745-PA	LOC683179	683179	1,09	up
5951698	7033337	969476	similar to CG13745-PA	LOC683179	683179	1,05	up

6680527	7033337	969512	similar to CG13745-PA	LOC683179	683179	1,05	down
5791383	7033337	969511	similar to CG13745-PA	LOC683179	683179	1,04	up
5772200	7033337	969505	similar to CG13745-PA	LOC683179	683179	1,03	down
6527247	7033337	969515	similar to CG13745-PA	LOC683179	683179	1,02	up
6250144	7033337	969510	similar to CG13745-PA	LOC683179	683179	1,01	up
6237741	7033337	969516	similar to CG13745-PA	LOC683179	683179	1,00	down
6737163	7237674	1467321	similar to CG17122-PA	LOC499781	499781	2,20	down
6326003	7237674	1467317	similar to CG17122-PA	LOC499781	499781	1,56	up
5688373	7237674	1467318	similar to CG17122-PA	LOC499781	499781	1,35	up
6055133	7237674	1467320	similar to CG17122-PA	LOC499781	499781	1,25	down
5708035	7237674	1467312	similar to CG17122-PA	LOC499781	499781	1,23	up
6281085	7237674	1467319	similar to CG17122-PA	LOC499781	499781	1,12	up
6156960	7237674	1467322	similar to CG17122-PA	LOC499781	499781	1,08	down
5761190	7237674	1467313	similar to CG17122-PA	LOC499781	499781	1,08	down
6331744	7237674	1467311	similar to CG17122-PA	LOC499781	499781	1,07	up
5870055	7237674	1467314	similar to CG17122-PA	LOC499781	499781	1,06	up
5703233	7237674	1467312	similar to CG17122-PA	LOC499781	499781	1,01	down
5738346	7355580	1758873	similar to CG18437-PA	LOC689998	689998	2,52	up
5879149	7355580	1758846	similar to CG18437-PA	LOC689991	689991	1,30	up
6207275	7355580	1758847	similar to CG18437-PA	LOC689991	689991	1,16	up
6630646	7355580	1758875	similar to CG18437-PA	LOC689998	689998	1,13	down
6170621	7355580	1758873	similar to CG18437-PA	LOC689998	689998	1,13	up
6571710	7355580	1758873	similar to CG18437-PA	LOC689998	689998	1,09	up
5873272	7355580	1758868	similar to CG18437-PA	LOC689991	689991	1,09	up
6068001	7355580	1758850	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		2,16	up
6295653	7355580	1758844	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,51	down
6106103	7355580	1758838	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,49	down
5769786	7355580	1758850	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,34	down
5636541	7355580	1758891	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,31	up
5935156	7355580	1758833	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,30	up
6722115	7355580	1758843	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,27	down
6148428	7355580	1758895	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,26	up
6471213	7355580	1758830	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,23	down
6161489	7355580	1758884	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,21	up
6490679	7355580	1758829	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,21	down
6355958	7355580	1758882	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,17	up
6140767	7355580	1758836	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,16	down
6292207	7355580	1758840	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,15	down
5845544	7355580	1758845	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,15	down
5913416	7355580	1758854	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,12	down
6188447	7355580	1758853	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,12	up
6594133	7355580	1758837	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,11	down
6071178	7355580	1758848	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,11	up
6197611	7355580	1758855	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,11	up
6112587	7355580	1758865	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,11	up
6340606	7355580	1758866	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,11	up
6618174	7355580	1758893	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,10	down
5959251	7355580	1758894	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,09	down
6664242	7355580	1758865	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,09	down
5961960	7355580	1758862	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,09	down
5785205	7355580	1758849	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,08	down
5656927	7355580	1758871	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,08	down
6076450	7355580	1758859	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,08	down
6442701	7355580	1758850	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,08	down
5751511	7355580	1758884	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,08	down
5877038	7355580	1758889	similar to CG18437-PA /// similar to CG18437-PA	689998 /// LOC31c 689998 /// 316460		1,07	up
6518913	7355580	1758866	similar to CG18437-PA /// similar to CG18437-PA	689991 /// LOC31c 689991 /// 316460		1,07	down

5942590	7355580	1758856	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,07	down	
6185211	7355580	1758863	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,07	up	
6567486	7355580	1758857	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,07	down	
5974519	7355580	1758834	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,07	up	
6104333	7355580	1758837	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,05	down	
6256301	7355580	1758832	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,05	down	
6721571	7355580	1758839	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,05	down	
5834711	7355580	1758835	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,04	down	
5817187	7355580	1758851	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,04	up	
5978989	7355580	1758844	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,03	down	
6413595	7355580	1758852	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,03	up	
5905623	7355580	1758870	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,03	down	
6295390	7355580	1758883	similar to CG18437-PA /// similar to CG18437-PA	7689998 /// LOC316689998 /// 316460	1,02	down	
6656004	7355580	1758881	similar to CG18437-PA /// similar to CG18437-PA	7689998 /// LOC316689998 /// 316460	1,02	down	
5652478	7355580	1758841	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,01	down	
6105853	7355580	1758869	similar to CG18437-PA /// similar to CG18437-PA	7689991 /// LOC316689991 /// 316460	1,01	up	
5858723	7355580	1758880	similar to CG18437-PA /// similar to CG18437-PA	7689998 /// LOC316689998 /// 316460	1,00	up	
5919281	7290474	1597973	similar to CG4329-PA, isoform A	LOC679620	679620	1,21	up
5972549	7290474	1597970	similar to CG4329-PA, isoform A	LOC679620	679620	1,14	up
6532024	7290474	1597974	similar to CG4329-PA, isoform A	LOC679620	679620	1,10	up
5931962	7290474	1597972	similar to CG4329-PA, isoform A	LOC679620	679620	1,08	down
5883290	7176456	1315800	similar to CG8486-PA, isoform A	LOC682889	682889	2,28	down
5652729	7176456	1315806	similar to CG8486-PA, isoform A	LOC682889	682889	1,87	down
6025413	7176456	1315809	similar to CG8486-PA, isoform A	LOC682889	682889	1,69	up
6194504	7176456	1315813	similar to CG8486-PA, isoform A	LOC682889	682889	1,60	up
6311297	7176456	1315873	similar to CG8486-PA, isoform A	LOC682889	682889	1,58	up
5828535	7176456	1315805	similar to CG8486-PA, isoform A	LOC682889	682889	1,56	up
6665883	7176456	1315808	similar to CG8486-PA, isoform A	LOC682889	682889	1,36	down
6259826	7176456	1315817	similar to CG8486-PA, isoform A	LOC682889	682889	1,29	up
5940186	7176456	1315804	similar to CG8486-PA, isoform A	LOC682889	682889	1,23	up
5694306	7176456	1315827	similar to CG8486-PA, isoform A	LOC682889	682889	1,22	down
6481811	7176456	1315827	similar to CG8486-PA, isoform A	LOC682889	682889	1,21	up
6570350	7176456	1315811	similar to CG8486-PA, isoform A	LOC682889	682889	1,20	down
6415377	7176456	1315824	similar to CG8486-PA, isoform A	LOC682889	682889	1,16	down
6395982	7176456	1315813	similar to CG8486-PA, isoform A	LOC682889	682889	1,15	down
5991201	7176456	1315826	similar to CG8486-PA, isoform A	LOC682889	682889	1,11	down
5628514	7176456	1315826	similar to CG8486-PA, isoform A	LOC682889	682889	1,06	up
6100260	7176456	1315799	similar to CG8486-PA, isoform A	LOC682889	682889	1,06	up
6080784	7176456	1315819	similar to CG8486-PA, isoform A	LOC682889	682889	1,04	down
5987380	7176456	1315796	similar to CG8486-PA, isoform A	LOC682889	682889	1,04	down
6145891	7176456	1315863	similar to CG8486-PA, isoform A	LOC682889	682889	1,03	up
5946619	7176456	1315801	similar to CG8486-PA, isoform A	LOC682889	682889	1,03	up
6097255	7176456	1315884	similar to CG8486-PA, isoform A	LOC682889	682889	1,02	up
6520638	7176456	1315810	similar to CG8486-PA, isoform A	LOC682889	682889	1,01	down
6497132	7176456	1315819	similar to CG8486-PA, isoform A	LOC682889	682889	1,00	up
6363982	7176456	1315812	similar to CG8486-PA, isoform A	LOC682889	682889	1,00	down
6329082	7330314	1696131	similar to CG9646-PA	RGD1304694	362974	1,28	down
6471992	7330314	1696129	similar to CG9646-PA	RGD1304694	362974	1,17	down
6668224	7330314	1696133	similar to CG9646-PA	RGD1304694	362974	1,16	down
5779410	7330314	1696128	similar to CG9646-PA	RGD1304694	362974	1,11	down
6115371	7330314	1696128	similar to CG9646-PA	RGD1304694	362974	1,10	down
6155740	7330314	1696130	similar to CG9646-PA	RGD1304694	362974	1,08	up
5626830	7210568	1400450	similar to CGI-41 protein	RGD1311265	361976	2,07	down
6607999	7210568	1400453	similar to CGI-41 protein	RGD1311265	361976	1,75	up
6134991	7210568	1400446	similar to CGI-41 protein	RGD1311265	361976	1,65	up
6476085	7210568	1400453	similar to CGI-41 protein	RGD1311265	361976	1,60	up
6179610	7210568	1400452	similar to CGI-41 protein	RGD1311265	361976	1,35	up

6316458	7210568	1400449	similar to CGI-41 protein	RGD1311265	361976	1,34	up
5800300	7210568	1400448	similar to CGI-41 protein	RGD1311265	361976	1,28	down
5889601	7210568	1400445	similar to CGI-41 protein	RGD1311265	361976	1,22	down
6531852	7210568	1400445	similar to CGI-41 protein	RGD1311265	361976	1,18	down
6149138	7210568	1400447	similar to CGI-41 protein	RGD1311265	361976	1,08	up
6715332	7210568	1400450	similar to CGI-41 protein	RGD1311265	361976	1,07	down
5839675	7210568	1400451	similar to CGI-41 protein	RGD1311265	361976	1,01	up
5640910	7196233	1366104	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,84	down
6050231	7196233	1366104	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,66	up
5813175	7196233	1366096	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,57	down
6044395	7196233	1366098	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,55	down
6390028	7196233	1366099	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,50	down
6559829	7196233	1366097	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,44	down
5773717	7196233	1366095	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,40	down
6528797	7196233	1366100	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,39	down
5901186	7196233	1366105	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,32	down
6131027	7196233	1366098	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,26	down
5971663	7196233	1366100	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,23	down
5675596	7196233	1366104	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,20	up
6348217	7196233	1366101	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,16	up
6052097	7196233	1366102	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,16	down
6106916	7196233	1366098	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,06	up
6235651	7196233	1366105	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,05	up
6034211	7196233	1366103	similar to chromosome 1 open reading frame 2	RGD1306107	310640	1,00	up
6658067	7148978	1248516	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,46	down
6611522	7148978	1248520	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,19	down
5667710	7148978	1248513	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,15	up
5745091	7148978	1248449	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,12	down
6672115	7148978	1248519	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,11	up
5705503	7148978	1248485	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,11	down
6515905	7148978	1248518	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,10	up
6389498	7148978	1248517	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,09	up
6119093	7148978	1248510	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,08	down
6683120	7148978	1248512	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,07	up
6419928	7148978	1248504	similar to chromosome 10 open reading frame 64	RGD1564142	498582	1,06	up
6120673	7058507	1028325	similar to chromosome 10 open reading frame 92	RGD1559985	499282	1,03	up
6658604	7307424	1641136	similar to chromosome 14 open reading frame 138	RGD1306228	362748	1,56	down
6266691	7073928	1065793	similar to chromosome 17 open reading frame 27	LOC688296	688296	3,07	down
6071339	7073928	1065793	similar to chromosome 17 open reading frame 27	LOC688296	688296	3,06	down
5852355	7073928	1065802	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,94	up
6338438	7073928	1065810	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,86	down
6221838	7073928	1065814	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,85	down
6380485	7073928	1065790	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,80	up
6111329	7073928	1065806	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,58	down
6065417	7073928	1065803	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,57	down
6730743	7073928	1065788	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,51	up
6716406	7073928	1065796	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,44	up
5901154	7073928	1065784	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,39	up
6063581	7073928	1065794	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,34	down
6481678	7073928	1065801	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,34	up
6213322	7073928	1065811	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,33	up
6475186	7073928	1065791	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,32	up
6599099	7073928	1065797	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,26	up
5669571	7073928	1065800	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,26	up
5655432	7073928	1065795	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,24	up
6096532	7073928	1065782	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,22	up
6276880	7073928	1065808	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,19	up

5648836	7073928	1065787	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,18	up
6493534	7073928	1065785	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,16	up
5936882	7073928	1065813	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,09	down
6187219	7073928	1065783	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,06	up
6679786	7073928	1065807	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,06	up
6330482	7073928	1065786	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,03	down
5912792	7073928	1065792	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,02	down
6538161	7073928	1065809	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,02	up
6363965	7073928	1065815	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,02	up
6700923	7073928	1065798	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,01	up
5882783	7073928	1065812	similar to chromosome 17 open reading frame 27	LOC688296	688296	1,01	up
6719888	7225543	1435943	similar to chromosome 9 open reading frame 7	RGD1311501	296599	1,82	up
6027816	7225543	1435941	similar to chromosome 9 open reading frame 7	RGD1311501	296599	1,21	up
5874899	7225543	1435943	similar to chromosome 9 open reading frame 7	RGD1311501	296599	1,20	down
6410411	7225543	1435942	similar to chromosome 9 open reading frame 7	RGD1311501	296599	1,07	up
6506129	7225543	1435944	similar to chromosome 9 open reading frame 7	RGD1311501	296599	1,07	up
6456438	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	3,89	up
6239885	7381352	1823745	similar to chromosome X open reading frame 23	RGD1562161	501559	1,66	up
6193538	7381352	1823751	similar to chromosome X open reading frame 23	RGD1562161	501559	1,64	down
6181832	7381352	1823747	similar to chromosome X open reading frame 23	RGD1562161	501559	1,63	down
5972252	7381352	1823752	similar to chromosome X open reading frame 23	RGD1562161	501559	1,44	up
6348865	7381352	1823749	similar to chromosome X open reading frame 23	RGD1562161	501559	1,39	up
6586304	7381352	1823742	similar to chromosome X open reading frame 23	RGD1562161	501559	1,36	down
6358489	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	1,34	up
5892300	7381352	1823754	similar to chromosome X open reading frame 23	RGD1562161	501559	1,30	up
6293332	7381352	1823747	similar to chromosome X open reading frame 23	RGD1562161	501559	1,28	down
5777615	7381352	1823759	similar to chromosome X open reading frame 23	RGD1562161	501559	1,19	up
5830348	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	1,13	down
6006172	7381352	1823753	similar to chromosome X open reading frame 23	RGD1562161	501559	1,09	up
6488773	7381352	1823742	similar to chromosome X open reading frame 23	RGD1562161	501559	1,08	down
6592587	7381352	1823756	similar to chromosome X open reading frame 23	RGD1562161	501559	1,07	down
5824789	7381352	1823755	similar to chromosome X open reading frame 23	RGD1562161	501559	1,04	up
6510050	7381352	1823746	similar to chromosome X open reading frame 23	RGD1562161	501559	1,03	up
6520944	7222236	1428113	similar to coiled-coil domain containing 6 /// coiled-coil domain containing 6	OC687820 /// Ccdc 687820 /// 691155		1,08	down
6109180	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	3,85	up
6102704	7029181	959074	similar to coiled-coil domain containing 8	MGC72567	494320	1,53	up
5620722	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,51	up
6001445	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,29	down
6210013	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,27	up
6405956	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,20	up
6688669	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,17	down
5632044	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,15	down
5740875	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,14	up
6636070	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,10	up
5667148	7029181	959076	similar to coiled-coil domain containing 8	MGC72567	494320	1,09	up
5842079	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,08	down
6346299	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,04	down
6720035	7029181	959078	similar to coiled-coil domain containing 8	MGC72567	494320	1,04	down
5897422	7029181	959077	similar to coiled-coil domain containing 8	MGC72567	494320	1,03	up
5846129	7029181	959075	similar to coiled-coil domain containing 8	MGC72567	494320	1,02	up
6686976	7106776	1144113	similar to constitutive photomorphogenic protein 1	RGD1304773	360860	1,13	up
5946378	7253272	1505698	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	2,39	down
6038996	7253272	1505586	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,59	up
6313029	7253272	1505644	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,34	down
5910443	7253272	1505695	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,33	down
6647294	7253272	1505604	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,29	down
6073582	7253272	1505662	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,27	down

5920229	7253272	1505699	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,25	down
5806434	7253272	1505676	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,21	down
6618875	7253272	1505664	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,17	down
6619159	7253272	1505685	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,14	down
6027370	7253272	1505593	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,06	down
5715751	7253272	1505624	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,04	down
5814503	7253272	1505636	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,01	down
6518260	7253272	1505678	similar to contactin associated protein-like 2 isoform a	LOC500105	500105	1,01	down
6640438	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	2,29	down
6312373	7327249	1688580	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,73	down
5998971	7327249	1688646	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,62	up
6194245	7327249	1688581	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,59	up
6047056	7327249	1688584	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,50	up
6018713	7327249	1688620	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,49	up
5829461	7327249	1688597	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,48	down
6009877	7327249	1688616	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,46	down
6208704	7327249	1688630	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,46	up
5699404	7327249	1688591	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,45	up
6319662	7327249	1688715	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,43	down
6008133	7327249	1688604	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,42	up
6399199	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,39	up
6687733	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,36	down
6670254	7327249	1688611	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,36	up
6497410	7327249	1688661	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,35	down
6296435	7327249	1688604	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,33	down
5861159	7327249	1688634	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,32	up
6422967	7327249	1688603	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,28	up
6305234	7327249	1688676	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,28	up
6422157	7327249	1688602	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,28	down
6479583	7327249	1688574	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,28	down
5977746	7327249	1688650	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,27	down
6231042	7327249	1688577	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,26	up
6705338	7327249	1688649	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,25	down
6331465	7327249	1688680	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,24	down
5994908	7327249	1688622	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,23	down
6692715	7327249	1688638	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,21	up
5797603	7327249	1688593	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,21	down
6245387	7327249	1688702	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,20	down
6523545	7327249	1688715	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,20	down
5714258	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,19	down
6077387	7327249	1688587	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,18	up
6349679	7327249	1688594	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,17	down
6677712	7327249	1688701	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,17	down
6238716	7327249	1688665	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,17	down
6047654	7327249	1688653	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,16	up
6145151	7327249	1688634	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,16	down
5800600	7327249	1688590	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,15	up
5683428	7327249	1688636	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,15	up
5633827	7327249	1688591	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,14	up
5821516	7327249	1688687	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,14	down
6348966	7327249	1688606	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,13	down
6507727	7327249	1688621	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,11	down
5762855	7327249	1688596	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,11	down
6139912	7327249	1688586	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,10	down
5717276	7327249	1688575	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,10	down
5857909	7327249	1688676	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,10	up
6218006	7327249	1688715	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,10	up

6006477	7327249	1688661	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,09	down
5821039	7327249	1688601	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	down
5697160	7327249	1688645	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,08	down
6679324	7327249	1688578	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,07	down
5668842	7327249	1688588	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	down
5893968	7327249	1688637	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	up
6422584	7327249	1688630	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	down
6345452	7327249	1688640	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,06	down
5747284	7327249	1688613	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	down
5936597	7327249	1688695	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	up
6073543	7327249	1688599	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	up
6189492	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,05	up
5859763	7327249	1688647	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,04	down
5749674	7327249	1688648	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,04	down
5956013	7327249	1688579	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,04	down
6164027	7327249	1688631	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,03	up
5703585	7327249	1688583	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,03	up
6463993	7327249	1688605	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,03	down
5678471	7327249	1688655	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	up
5709369	7327249	1688633	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	up
5901102	7327249	1688663	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	up
6544463	7327249	1688592	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	up
6660961	7327249	1688654	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	up
6118380	7327249	1688589	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,02	down
6198255	7327249	1688674	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,01	down
6095830	7327249	1688573	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,01	up
5795010	7327249	1688585	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,01	up
6158892	7327249	1688595	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,01	up
5768777	7327249	1688607	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	down
6405157	7327249	1688650	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6396235	7327249	1688630	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	down
5890231	7327249	1688672	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6206185	7327249	1688641	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6367634	7327249	1688627	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6545668	7327249	1688582	similar to CUB and Sushi multiple domains 3 isoform 1	LOC314942	314942	1,00	up
6553449	7374790	1808774	similar to CXORF15	LOC302680	302680	3,10	up
6483884	7374790	1808771	similar to CXORF15	LOC302680	302680	1,85	up
6024574	7374790	1808773	similar to CXORF15	LOC302680	302680	1,60	down
5628187	7374790	1808772	similar to CXORF15	LOC302680	302680	1,46	down
5819511	7374790	1808770	similar to CXORF15	LOC302680	302680	1,30	up
6504659	7374790	1808772	similar to CXORF15	LOC302680	302680	1,19	up
6739964	7374790	1808775	similar to CXORF15	LOC302680	302680	1,16	down
6229013	7374790	1808776	similar to CXORF15	LOC302680	302680	1,15	up
5842420	7374790	1808769	similar to CXORF15	LOC302680	302680	1,13	up
6095498	7374790	1808769	similar to CXORF15	LOC302680	302680	1,11	up
5714237	7374790	1808769	similar to CXORF15	LOC302680	302680	1,06	up
5712887	7358053	1764843	similar to D1Ert622e protein	RGD1562136	501195	3,11	up
5838548	7358053	1764835	similar to D1Ert622e protein	RGD1562136	501195	1,86	down
5866647	7358053	1764844	similar to D1Ert622e protein	RGD1562136	501195	1,75	up
6644009	7358053	1764835	similar to D1Ert622e protein	RGD1562136	501195	1,50	down
6270420	7358053	1764843	similar to D1Ert622e protein	RGD1562136	501195	1,45	up
6425320	7358053	1764838	similar to D1Ert622e protein	RGD1562136	501195	1,12	up
6319859	7358048	1764819	similar to D330021B20 protein	RGD1308143	316685	1,34	up
6042530	7358048	1764821	similar to D330021B20 protein	RGD1308143	316685	1,11	up
6649730	7358048	1764821	similar to D330021B20 protein	RGD1308143	316685	1,06	down
5989140	7358048	1764818	similar to D330021B20 protein	RGD1308143	316685	1,05	down
5934406	7358048	1764810	similar to D330021B20 protein	RGD1308143	316685	1,02	down

6052241	7358048	1764814	similar to D330021B20 protein	RGD1308143	316685	1,02	down
6499817	7140946	1228284	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	2,19	up
6667090	7140946	1228299	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,99	down
6623448	7140946	1228345	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,65	up
5730657	7140946	1228285	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,43	up
6603972	7140946	1228300	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,39	down
6134618	7140946	1228322	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,37	down
5763344	7140946	1228298	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,31	down
5628825	7140946	1228311	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,25	down
6333179	7140946	1228345	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,14	down
6696299	7140946	1228279	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,14	up
6655201	7140946	1228288	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,10	down
6267950	7140946	1228279	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,07	up
5675867	7140946	1228286	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,06	down
5835623	7140946	1228301	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,05	up
5654658	7140946	1228279	similar to Dachshund homolog 1 (Dach1)	LOC306096	306096	1,02	down
5901400	7037495	979340	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			2,26	up
6255166	7037495	979327	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			2,21	down
6085160	7037495	979330	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,78	down
5743857	7037495	979333	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,44	up
6209415	7037495	979338	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,33	down
6651538	7037495	979338	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,30	down
6327389	7037495	979329	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,27	up
5649519	7037495	979334	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,12	up
6354873	7037495	979331	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,11	up
6013970	7037495	979344	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,09	up
6464645	7037495	979339	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,09	down
6105091	7037495	979335	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,07	down
5893799	7037495	979343	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,05	up
6435415	7037495	979331	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,03	down
5768876	7037495	979343	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,03	up
5954050	7037495	979341	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,02	down
5694354	7037495	979342	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,02	up
5749737	7037495	979320	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,02	down
6493447	7037495	979328	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,00	down
6363863	7037495	979332	similar to deleted in malignant brain tumors 1 isoform a precursor /// similar to deleted in malignant ϵ 678798 /// LOC69: 678798 /// 691970			1,00	up
5849204	7037495	979315	similar to deleted in malignant brain tumors 1 isoform c precursor	LOC691970	691970	1,24	up
5716849	7079475	1078283	similar to Der1-like domain family, member 2	LOC687738	687738	1,21	down
6289500	7079475	1078282	similar to Der1-like domain family, member 2	LOC687738	687738	1,14	down
6696712	7079475	1078283	similar to Der1-like domain family, member 2	LOC687738	687738	1,13	up
6597772	7079475	1078283	similar to Der1-like domain family, member 2	LOC687738	687738	1,09	down
6648719	7079475	1078283	similar to Der1-like domain family, member 2	LOC687738	687738	1,04	down
5711118	7079475	1078283	similar to Der1-like domain family, member 2	LOC687738	687738	1,01	down
5716565	7188138	1345043	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	2,46	down
5675038	7188138	1345061	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	2,40	down
6269426	7188138	1345066	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	2,02	down
6513815	7188138	1345013	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,87	up
5951569	7188138	1345026	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,82	up
6687640	7188138	1345046	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,72	down
6489484	7188138	1345044	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,61	down
6103755	7188138	1345016	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,36	up
6223890	7188138	1344996	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,25	down
6078118	7188138	1345032	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,22	up
6043077	7188138	1344996	similar to developmental endothelial locus-1 isoform b	LOC681994	681994	1,05	down
6555994	7140365	1226806	similar to diacylglycerol kinase eta	RGD1561955	361076	1,33	down
6660629	7370131	1796179	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein P-dlg)	LOC682811	682811	2,55	up
6691448	7368565	1791288	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein P-dlg)	LOC685908	685908	2,07	up

5683299	7368555	1791236	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein P-dlg) /// hypothet:301193 /// LOC68(301193 /// 686784		1,16	down	
6721612	7368555	1791228	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein P-dlg) /// hypothet:691414 /// LOC68: 691414 /// 685769		1,14	up	
6371167	7369938	1795528	similar to Discs large homolog 5 (Placenta and prostate DLG) (Discs large protein P-dlg) /// similar tc:501089 /// LOC36: 501089 /// 363320		1,80	down	
5686133	7233178	1455892	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,32	down
5647921	7233178	1455887	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,28	up
6568167	7233178	1455902	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,20	up
5922936	7233178	1455899	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,18	down
5787496	7233178	1455895	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,16	up
5903943	7233178	1455891	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,13	up
6581363	7233178	1455887	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,11	up
6020282	7233178	1455896	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,10	down
6419311	7233178	1455889	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,06	up
6363643	7233178	1455888	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,04	down
5770848	7233178	1455901	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,04	up
5651175	7233178	1455890	similar to dJ842G6.1.1 (novel protein)	RGD1309829	296190	1,02	up
5767618	7121074	1179919	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	2,87	up
6566156	7121074	1179919	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,49	down
6339320	7121074	1179920	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,28	down
5679295	7121074	1179885	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,26	up
5919911	7121074	1179915	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,21	up
5992782	7121074	1179912	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,17	down
5706745	7121074	1179916	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,13	down
5755788	7121074	1179890	similar to DNA-binding protein Ikaros form 1 - mouse	RGD1562979	305501	1,09	down
6104588	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,78	up
5646848	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,67	up
6582453	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,65	up
6126694	7329135	1693484	similar to Epiplakin	LOC686567	686567	1,34	up
6449151	7329135	1693484	similar to Epiplakin	LOC686567	686567	1,33	up
6193469	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,31	up
6322781	7329135	1693484	similar to Epiplakin	LOC686567	686567	1,07	down
5905188	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,06	up
6313342	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,06	up
6354489	7329135	1693485	similar to Epiplakin	LOC686567	686567	1,02	up
5883210	7371677	1800754	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,20	down
5889942	7371677	1800754	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,13	down
6470909	7371677	1800755	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,11	up
6538460	7371677	1800755	similar to eukaryotic translation initiation factor 4 gamma, 2	LOC678831	678831	1,09	down
6377580	7336449	1710615	similar to expressed sequence AI118078	RGD1562084	501002	2,13	down
6407754	7336449	1710611	similar to expressed sequence AI118078	RGD1562084	501002	1,89	down
6464096	7336449	1710632	similar to expressed sequence AI118078	RGD1562084	501002	1,45	down
5678981	7336449	1710611	similar to expressed sequence AI118078	RGD1562084	501002	1,45	down
5939291	7336449	1710628	similar to expressed sequence AI118078	RGD1562084	501002	1,36	down
5915676	7336449	1710619	similar to expressed sequence AI118078	RGD1562084	501002	1,24	down
5833563	7336449	1710632	similar to expressed sequence AI118078	RGD1562084	501002	1,24	down
5737910	7336449	1710631	similar to expressed sequence AI118078	RGD1562084	501002	1,22	down
6040447	7336449	1710605	similar to expressed sequence AI118078	RGD1562084	501002	1,21	up
5968441	7336449	1710618	similar to expressed sequence AI118078	RGD1562084	501002	1,20	down
5998123	7336449	1710620	similar to expressed sequence AI118078	RGD1562084	501002	1,17	down
5937757	7336449	1710619	similar to expressed sequence AI118078	RGD1562084	501002	1,16	down
6707466	7336449	1710602	similar to expressed sequence AI118078	RGD1562084	501002	1,03	up
6040089	7336449	1710632	similar to expressed sequence AI118078	RGD1562084	501002	1,01	up
6542574	7370977	1798761	similar to Fatty acid-binding protein, epidermal (E-FABP) (Cutaneous fatty acid-binding protein) (C-	LOC503340	503340	1,32	up
5704752	7370977	1798761	similar to Fatty acid-binding protein, epidermal (E-FABP) (Cutaneous fatty acid-binding protein) (C-	LOC503340	503340	1,03	up
5709580	7030172	960965	similar to F-box only protein 27	RGD1563982	499114	2,19	up
6620247	7030172	960964	similar to F-box only protein 27	RGD1563982	499114	2,18	down
6188844	7030172	960964	similar to F-box only protein 27	RGD1563982	499114	1,66	down
5891536	7030172	960963	similar to F-box only protein 27	RGD1563982	499114	1,46	down

6443355	7030172	960967	similar to F-box only protein 27	RGD1563982	499114	1,28	up
5629845	7030172	960967	similar to F-box only protein 27	RGD1563982	499114	1,26	down
6645648	7030172	960967	similar to F-box only protein 27	RGD1563982	499114	1,19	up
5724389	7030172	960965	similar to F-box only protein 27	RGD1563982	499114	1,15	up
5723039	7030172	960966	similar to F-box only protein 27	RGD1563982	499114	1,14	up
6000744	7030172	960965	similar to F-box only protein 27	RGD1563982	499114	1,08	up
6627281	7030172	960964	similar to F-box only protein 27	RGD1563982	499114	1,06	down
5793742	7049334	1008179	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	2,04	up
6715153	7049334	1008182	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	1,57	down
6058121	7049334	1008180	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	1,45	up
5976503	7049334	1008184	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	1,31	down
6693367	7049334	1008183	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	1,18	up
5743195	7049334	1008180	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	1,08	up
5810033	7049334	1008181	similar to F-box only protein 6 (F-box/G-domain protein 2)	RGD1305932	292755	1,03	down
6746607	7030087	960803	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	2,09	down
6113541	7030087	960803	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	2,06	down
6437169	7030087	960804	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,48	down
5843109	7030087	960801	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,45	up
6643552	7030087	960805	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,37	down
6268239	7030087	960799	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,36	up
5851926	7030087	960796	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,36	up
5681810	7030087	960802	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,21	down
5790251	7030087	960795	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,20	up
6229291	7030087	960797	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,17	down
6126837	7030087	960794	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,11	up
6000826	7030087	960798	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,08	down
5671034	7030087	960804	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,07	up
6352577	7030087	960800	similar to Fc fragment of IgG binding protein; IgG Fc binding protein	RGD1311906	292746	1,05	down
5832329	7059971	1031476	similar to FLJ00354 protein	RGD1311475	293698	1,42	up
6106900	7059971	1031477	similar to FLJ00354 protein	RGD1311475	293698	1,28	down
5629455	7059971	1031476	similar to FLJ00354 protein	RGD1311475	293698	1,26	up
5939732	7059971	1031480	similar to FLJ00354 protein	RGD1311475	293698	1,15	down
5791604	7059971	1031479	similar to FLJ00354 protein	RGD1311475	293698	1,15	down
5820568	7059971	1031481	similar to FLJ00354 protein	RGD1311475	293698	1,08	up
5817663	7059971	1031478	similar to FLJ00354 protein	RGD1311475	293698	1,07	up
6061062	7059971	1031475	similar to FLJ00354 protein	RGD1311475	293698	1,02	down
5628014	7059971	1031482	similar to FLJ00354 protein	RGD1311475	293698	1,01	up
6124927	7059971	1031474	similar to FLJ00354 protein	RGD1311475	293698	1,00	down
5881939	7328833	1692805	similar to FLJ43860 protein	RGD1559695	500889	2,02	down
6611536	7328833	1692794	similar to FLJ43860 protein	RGD1559695	500889	1,74	up
6243025	7328833	1692782	similar to FLJ43860 protein	RGD1559695	500889	1,53	down
5893165	7328833	1692776	similar to FLJ43860 protein	RGD1559695	500889	1,41	down
6417580	7328833	1692805	similar to FLJ43860 protein	RGD1559695	500889	1,39	down
5818495	7328833	1692777	similar to FLJ43860 protein	RGD1559695	500889	1,38	down
5873980	7328833	1692780	similar to FLJ43860 protein	RGD1559695	500889	1,37	down
6362864	7328833	1692788	similar to FLJ43860 protein	RGD1559695	500889	1,35	down
6317888	7328833	1692792	similar to FLJ43860 protein	RGD1559695	500889	1,34	up
6602446	7328833	1692810	similar to FLJ43860 protein	RGD1559695	500889	1,25	down
5782151	7328833	1692789	similar to FLJ43860 protein	RGD1559695	500889	1,25	down
6211645	7328833	1692813	similar to FLJ43860 protein	RGD1559695	500889	1,23	down
5786190	7328833	1692791	similar to FLJ43860 protein	RGD1559695	500889	1,23	up
6508616	7328833	1692801	similar to FLJ43860 protein	RGD1559695	500889	1,22	up
5716397	7328833	1692800	similar to FLJ43860 protein	RGD1559695	500889	1,20	up
6125330	7328833	1692781	similar to FLJ43860 protein	RGD1559695	500889	1,18	up
6733250	7328833	1692802	similar to FLJ43860 protein	RGD1559695	500889	1,15	up
5816379	7328833	1692796	similar to FLJ43860 protein	RGD1559695	500889	1,15	up
6302217	7328833	1692808	similar to FLJ43860 protein	RGD1559695	500889	1,15	down

6588125	7328833	1692798	similar to FLJ43860 protein	RGD1559695	500889	1,10	up
6300859	7328833	1692790	similar to FLJ43860 protein	RGD1559695	500889	1,09	up
5803884	7328833	1692778	similar to FLJ43860 protein	RGD1559695	500889	1,08	down
6684200	7328833	1692799	similar to FLJ43860 protein	RGD1559695	500889	1,07	up
5628667	7328833	1692810	similar to FLJ43860 protein	RGD1559695	500889	1,06	up
6468626	7328833	1692773	similar to FLJ43860 protein	RGD1559695	500889	1,06	up
5906576	7328833	1692809	similar to FLJ43860 protein	RGD1559695	500889	1,06	up
6076748	7328833	1692787	similar to FLJ43860 protein	RGD1559695	500889	1,06	up
6565445	7328833	1692774	similar to FLJ43860 protein	RGD1559695	500889	1,06	down
5969306	7328833	1692797	similar to FLJ43860 protein	RGD1559695	500889	1,05	down
6135842	7328833	1692775	similar to FLJ43860 protein	RGD1559695	500889	1,05	down
5687481	7328833	1692788	similar to FLJ43860 protein	RGD1559695	500889	1,04	down
6224458	7328833	1692786	similar to FLJ43860 protein	RGD1559695	500889	1,02	up
6392063	7328833	1692783	similar to FLJ43860 protein	RGD1559695	500889	1,02	down
5631458	7328833	1692803	similar to FLJ43860 protein	RGD1559695	500889	1,01	up
6526937	7323869	1680890	similar to FLJ44112 protein	RGD1565866	314740	1,39	down
6181384	7323869	1680869	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,76	up
5914366	7323869	1680883	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,61	down
6309011	7323869	1680897	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,47	up
5927912	7323869	1680893	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,35	up
6105917	7323869	1680896	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,32	down
6232601	7323869	1680907	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,31	down
5962679	7323869	1680908	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,30	up
6692588	7323869	1680877	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,18	down
6408511	7323869	1680871	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,16	down
6463670	7323869	1680894	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,14	down
6450239	7323869	1680885	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,11	up
6414636	7323869	1680906	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,11	down
6644433	7323869	1680908	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,11	up
5701394	7323869	1680892	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,10	down
5695834	7323869	1680878	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,10	up
5782019	7323869	1680905	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,10	down
5681105	7323869	1680872	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,07	down
5642406	7323869	1680868	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,06	up
6551071	7323869	1680875	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,05	down
6553696	7323869	1680876	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,04	down
6045215	7323869	1680870	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,03	down
6461769	7323869	1680900	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,02	down
6115822	7323869	1680884	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,01	up
6606361	7323869	1680886	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,01	up
6239387	7323869	1680909	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,00	down
5672949	7323869	1680871	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,00	up
5850068	7323869	1680868	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,00	up
5692693	7323869	1680874	similar to FLJ44112 protein /// hypothetical protein LOC687814	1565866 /// LOC68 314740 /// 687814		1,00	down
6499591	7268357	1543391	similar to Fls485 protein	RGD1562010	500286	1,07	down
6186278	7268357	1543391	similar to Fls485 protein	RGD1562010	500286	1,01	up
6036250	7227474	1441164	similar to formin-like 2 isoform B	RGD1560248	499797	1,98	down
6715039	7227474	1441150	similar to formin-like 2 isoform B	RGD1560248	499797	1,66	down
6393237	7227474	1441164	similar to formin-like 2 isoform B	RGD1560248	499797	1,62	down
6486194	7227474	1441167	similar to formin-like 2 isoform B	RGD1560248	499797	1,03	down
6369289	7101684	1131711	similar to G protein-coupled receptor 133	LOC689257	689257	2,47	up
5987429	7101684	1131710	similar to G protein-coupled receptor 133	LOC689257	689257	1,35	down
5625925	7226812	1439359	similar to G protein-coupled receptor 144	RGD1564139	366034	2,72	up
6051790	7226812	1439354	similar to G protein-coupled receptor 144	RGD1564139	366034	1,19	up
6251462	7226812	1439359	similar to G protein-coupled receptor 144	RGD1564139	366034	1,15	down
6383622	7226812	1439356	similar to G protein-coupled receptor 144	RGD1564139	366034	1,15	down
5967750	7226812	1439355	similar to G protein-coupled receptor 144	RGD1564139	366034	1,11	down

6697166	7226812	1439351	similar to G protein-coupled receptor 144	RGD1564139	366034	1,11	down
5998175	7226812	1439353	similar to G protein-coupled receptor 144	RGD1564139	366034	1,10	down
6633568	7226812	1439357	similar to G protein-coupled receptor 144	RGD1564139	366034	1,05	up
5871239	7107321	1145322	similar to G protein-coupled receptor 161	RGD1563245	289180	3,26	down
5701856	7107321	1145327	similar to G protein-coupled receptor 161	RGD1563245	289180	2,23	up
6567263	7107321	1145327	similar to G protein-coupled receptor 161	RGD1563245	289180	1,66	up
6283450	7107321	1145325	similar to G protein-coupled receptor 161	RGD1563245	289180	1,53	down
6263459	7107321	1145325	similar to G protein-coupled receptor 161	RGD1563245	289180	1,38	up
5712239	7107321	1145322	similar to G protein-coupled receptor 161	RGD1563245	289180	1,16	down
6274657	7107321	1145326	similar to G protein-coupled receptor 161	RGD1563245	289180	1,05	up
6016248	7030519	961695	similar to Gene model 1082	RGD1560986	292786	2,12	down
5675670	7030519	961694	similar to Gene model 1082	RGD1560986	292786	1,55	up
6135655	7030519	961699	similar to Gene model 1082	RGD1560986	292786	1,51	down
6523016	7030519	961689	similar to Gene model 1082	RGD1560986	292786	1,24	up
6456245	7030519	961694	similar to Gene model 1082	RGD1560986	292786	1,19	up
6119980	7030519	961698	similar to Gene model 1082	RGD1560986	292786	1,15	down
6571644	7030519	961693	similar to Gene model 1082	RGD1560986	292786	1,14	down
5664253	7030519	961692	similar to Gene model 1082	RGD1560986	292786	1,12	up
6677232	7030519	961702	similar to Gene model 1082	RGD1560986	292786	1,11	down
5797017	7030519	961702	similar to Gene model 1082	RGD1560986	292786	1,07	up
6290138	7030519	961702	similar to Gene model 1082	RGD1560986	292786	1,06	up
6130094	7030519	961696	similar to Gene model 1082	RGD1560986	292786	1,05	up
5795780	7030519	961696	similar to Gene model 1082	RGD1560986	292786	1,01	down
5784008	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin	LOC305806	305806	1,46	up
6420302	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin	LOC305806	305806	1,37	down
5959041	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		5,22	down
5969872	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		4,98	down
6117571	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		4,96	down
6020950	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,68	up
6356241	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,67	up
5680259	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,37	up
6176124	7368912	1792634	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,14	up
5919161	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,08	up
5984377	7368912	1792635	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,08	up
6630461	7371539	1800299	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,07	up
6203880	7371539	1800300	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,05	down
6541266	7368912	1792633	similar to glutaredoxin 1 (thioltransferase); glutaredoxin /// similar to RIKEN cDNA 1700001F09	:305806 /// LOC29(305806 /// 290508		1,01	up
6725398	7370412	1796832	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	2,06	down
6606380	7370412	1796837	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,72	down
6104489	7370412	1796830	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,49	down
6447325	7370412	1796826	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,45	up
6233835	7370412	1796839	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,39	down
5865919	7370412	1796827	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,35	up
6518184	7370412	1796824	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,24	down
6600827	7370412	1796824	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,19	up
6021394	7370412	1796831	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,13	up
6108580	7370412	1796829	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,12	up
5622867	7370412	1796825	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,11	down
6352528	7370412	1796834	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,10	down
6563606	7370412	1796823	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,05	up
6690331	7370412	1796829	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,04	up
6208547	7370412	1796822	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,01	up
6678659	7370412	1796836	similar to gonadotropin-regulated long chain acyl-CoA synthetase	LOC316124	316124	1,00	up
6157735	7237711	1467443	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	2,73	up
5812129	7237711	1467427	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	2,63	down
5708488	7237711	1467449	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	2,30	up
5848598	7237711	1467449	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,95	up

6693479	7237711	1467445	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,89	up
6574499	7237711	1467450	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,67	up
6018448	7237711	1467448	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,59	down
6043380	7237711	1467425	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,57	up
6461022	7237711	1467429	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,47	down
5800986	7237711	1467437	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,45	up
5892801	7237711	1467458	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,45	up
5917659	7237711	1467435	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,41	up
6397645	7237711	1467464	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,38	down
6552513	7237711	1467431	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,37	up
5645929	7237711	1467423	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,35	up
6422652	7237711	1467426	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,35	up
6021919	7237711	1467457	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,32	up
6012658	7237711	1467428	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,27	up
6317594	7237711	1467442	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,25	up
6284010	7237711	1467463	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,24	down
6310624	7237711	1467446	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,22	up
5653961	7237711	1467451	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,20	down
5843042	7237711	1467442	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,20	down
5791366	7237711	1467434	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,15	down
6372103	7237711	1467424	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,14	down
5875156	7237711	1467423	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,13	down
5996069	7237711	1467455	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,12	down
5788107	7237711	1467423	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,07	down
6036993	7237711	1467433	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,02	down
5668926	7237711	1467452	similar to GTPase activating RANGAP domain-like 3	RGD1564019	499783	1,02	down
6162221	7200129	1375993	similar to guanylate binding protein 1, interferon-inducible, 67kDa	RGD1561239	304267	2,25	up
6277229	7200129	1375991	similar to guanylate binding protein 1, interferon-inducible, 67kDa	RGD1561239	304267	1,42	down
5658775	7200129	1375992	similar to guanylate binding protein 1, interferon-inducible, 67kDa	RGD1561239	304267	1,16	down
6531355	7122585	1183684	similar to H43E16.1	LOC689994	689994	1,20	down
5757837	7122585	1183691	similar to H43E16.1	LOC689994	689994	1,19	up
6354293	7122585	1183684	similar to H43E16.1	LOC689994	689994	1,05	down
6226889	7138349	1221926	similar to HCDI protein	RGD1309307	361044	2,26	down
6409883	7138349	1221923	similar to HCDI protein	RGD1309307	361044	1,67	down
5994984	7138349	1221926	similar to HCDI protein	RGD1309307	361044	1,21	up
5776055	7138349	1221925	similar to HCDI protein	RGD1309307	361044	1,19	up
5992166	7138349	1221925	similar to HCDI protein	RGD1309307	361044	1,10	down
5643704	7138349	1221925	similar to HCDI protein	RGD1309307	361044	1,08	down
5697503	7138349	1221923	similar to HCDI protein	RGD1309307	361044	1,04	down
6744722	7138349	1221925	similar to HCDI protein	RGD1309307	361044	1,03	down
5814055	7138349	1221923	similar to HCDI protein	RGD1309307	361044	1,01	up
6453104	7158419	1271387	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,84	down
5989030	7158419	1271410	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,35	down
6380546	7158419	1271401	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,34	up
6685225	7158419	1271402	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,19	down
6599283	7158419	1271429	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,19	down
5782775	7158419	1271425	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,17	up
6615127	7158419	1271392	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,17	down
5759282	7158419	1271402	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,16	up
6644176	7158419	1271414	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,15	up
5624256	7158419	1271430	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,14	down
6546530	7158419	1271376	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,13	up
6707966	7158419	1271423	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,13	up
6057163	7158419	1271413	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,11	down
6558872	7158419	1271397	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,10	up
6296569	7158419	1271404	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,08	down
6698291	7158419	1271428	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,08	down

6224480	7158419	1271409	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,06	up
6203467	7158419	1271407	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,05	up
6079354	7158419	1271390	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,04	up
6470921	7158419	1271412	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,04	up
5640990	7158419	1271406	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,04	down
5764380	7158419	1271411	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,03	down
6490112	7158419	1271408	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,03	down
6371765	7158419	1271424	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,03	up
6632216	7158419	1271402	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,03	up
6611886	7158419	1271393	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,02	down
6734904	7158419	1271403	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,02	up
5747674	7158419	1271391	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,02	down
6639314	7158419	1271415	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,02	up
6585096	7158419	1271405	similar to HECT type E3 ubiquitin ligase	RGD1561038	291209	1,01	down
6142932	7197076	1367887	similar to histone protein Hist2h3c1	RGD1563516	690148	2,09	down
6150049	7197076	1367888	similar to histone protein Hist2h3c1	RGD1563516	690148	1,65	up
5827770	7197076	1367887	similar to histone protein Hist2h3c1	RGD1563516	690148	1,01	up
5628431	7264797	1534438	similar to homeobox-containing transcription factor	RGD1561431	500125	2,15	down
6048108	7136746	1217962	similar to HT021	RGD1306063	289928	1,68	down
6676839	7136746	1217969	similar to HT021	RGD1306063	289928	1,39	up
6392155	7136746	1217962	similar to HT021	RGD1306063	289928	1,37	down
5981951	7136746	1217968	similar to HT021	RGD1306063	289928	1,35	up
5663205	7136746	1217962	similar to HT021	RGD1306063	289928	1,20	up
6340917	7136746	1217962	similar to HT021	RGD1306063	289928	1,19	down
6351072	7136746	1217969	similar to HT021	RGD1306063	289928	1,12	down
6335858	7136746	1217963	similar to HT021	RGD1306063	289928	1,06	up
5844285	7136746	1217962	similar to HT021	RGD1306063	289928	1,06	down
5694182	7336039	1709684	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,54	down
6407002	7336039	1709685	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,45	up
6366912	7336039	1709683	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,27	up
5826765	7336039	1709683	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,24	up
6390958	7336039	1709685	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,16	up
5715214	7336039	1709684	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,11	down
5967694	7336039	1709686	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,08	down
5790573	7336039	1709685	similar to hypothetical gene supported by AK085276	RGD1562252	315646	1,06	down
6216978	7304045	1632660	similar to hypothetical protein	MGC94915	362712	2,36	up
6584655	7304045	1632666	similar to hypothetical protein	MGC94915	362712	2,34	up
6126549	7254040	1507613	similar to hypothetical protein	RGD1562590	312365	2,23	down
6074504	7282831	1579751	similar to hypothetical protein	RGD1564053	500390	2,16	down
5920609	7093219	1110687	similar to hypothetical protein	RGD1559942	363782	2,13	up
6292139	7130889	1203870	similar to hypothetical protein	RGD1563070	305812	2,04	down
5741891	7284901	1584805	similar to hypothetical protein	RGD1310641	366347	2,03	up
6040799	7276650	1564109	similar to hypothetical protein	RGD1309931	362538	1,94	up
5660169	7093219	1110693	similar to hypothetical protein	RGD1559942	363782	1,82	down
5771101	7093219	1110695	similar to hypothetical protein	RGD1559942	363782	1,74	up
5816645	7093219	1110692	similar to hypothetical protein	RGD1559942	363782	1,70	down
6435943	7254040	1507575	similar to hypothetical protein	RGD1562590	312365	1,67	down
5912171	7093219	1110683	similar to hypothetical protein	RGD1559942	363782	1,57	down
5683385	7282831	1579762	similar to hypothetical protein	RGD1564053	500390	1,56	down
6141531	7093219	1110693	similar to hypothetical protein	RGD1559942	363782	1,53	down
5905004	7276650	1564162	similar to hypothetical protein	RGD1309931	362538	1,50	down
6532904	7093219	1110686	similar to hypothetical protein	RGD1559942	363782	1,50	down
5899458	7088489	1099530	similar to hypothetical protein	RGD1305539	303920	1,49	down
5795878	7304045	1632673	similar to hypothetical protein	MGC94915	362712	1,48	up
5985830	7304045	1632668	similar to hypothetical protein	MGC94915	362712	1,44	up
5619460	7304045	1632675	similar to hypothetical protein	MGC94915	362712	1,42	down
5796453	7284901	1584805	similar to hypothetical protein	RGD1310641	366347	1,38	down

5801365	7304045	1632663	similar to hypothetical protein	MGC94915	362712	1,38	down
6365908	7093219	1110684	similar to hypothetical protein	RGD1559942	363782	1,37	up
5958596	7282831	1579791	similar to hypothetical protein	RGD1564053	500390	1,37	up
5874155	7304045	1632664	similar to hypothetical protein	MGC94915	362712	1,36	up
6549560	7093219	1110691	similar to hypothetical protein	RGD1559942	363782	1,35	up
6731725	7304045	1632671	similar to hypothetical protein	MGC94915	362712	1,34	down
6385473	7304045	1632675	similar to hypothetical protein	MGC94915	362712	1,32	up
5818591	7093219	1110697	similar to hypothetical protein	RGD1559942	363782	1,31	down
6006759	7093219	1110694	similar to hypothetical protein	RGD1559942	363782	1,30	up
6698943	7130889	1203880	similar to hypothetical protein	RGD1563070	305812	1,30	down
6733503	7093219	1110685	similar to hypothetical protein	RGD1559942	363782	1,28	up
6280803	7282831	1579739	similar to hypothetical protein	RGD1564053	500390	1,28	up
5922822	7088489	1099530	similar to hypothetical protein	RGD1305539	303920	1,26	up
5706199	7282831	1579737	similar to hypothetical protein	RGD1564053	500390	1,24	up
5971947	7093219	1110700	similar to hypothetical protein	RGD1559942	363782	1,23	down
6205644	7284901	1584805	similar to hypothetical protein	RGD1310641	366347	1,22	down
5910776	7282831	1579790	similar to hypothetical protein	RGD1564053	500390	1,22	down
6546524	7284901	1584816	similar to hypothetical protein	RGD1310641	366347	1,22	up
6703039	7093219	1110694	similar to hypothetical protein	RGD1559942	363782	1,20	down
6172566	7284901	1584810	similar to hypothetical protein	RGD1310641	366347	1,20	down
6586085	7304045	1632669	similar to hypothetical protein	MGC94915	362712	1,18	up
6036407	7130889	1203865	similar to hypothetical protein	RGD1563070	305812	1,18	down
6237921	7304045	1632667	similar to hypothetical protein	MGC94915	362712	1,17	down
6296423	7304045	1632662	similar to hypothetical protein	MGC94915	362712	1,16	up
6563737	7130889	1203879	similar to hypothetical protein	RGD1563070	305812	1,16	down
5851062	7276650	1564155	similar to hypothetical protein	RGD1309931	362538	1,16	down
6574274	7254040	1507575	similar to hypothetical protein	RGD1562590	312365	1,16	down
6500789	7304045	1632670	similar to hypothetical protein	MGC94915	362712	1,16	down
6413982	7130889	1203864	similar to hypothetical protein	RGD1563070	305812	1,14	up
5746136	7284901	1584817	similar to hypothetical protein	RGD1310641	366347	1,14	down
5671521	7304045	1632662	similar to hypothetical protein	MGC94915	362712	1,14	down
6519750	7304045	1632663	similar to hypothetical protein	MGC94915	362712	1,13	up
6684298	7304045	1632674	similar to hypothetical protein	MGC94915	362712	1,11	up
6108672	7093219	1110696	similar to hypothetical protein	RGD1559942	363782	1,10	down
6322048	7130889	1203881	similar to hypothetical protein	RGD1563070	305812	1,10	down
6433860	7304045	1632668	similar to hypothetical protein	MGC94915	362712	1,10	down
5792723	7282831	1579738	similar to hypothetical protein	RGD1564053	500390	1,09	down
5684179	7284901	1584812	similar to hypothetical protein	RGD1310641	366347	1,09	down
6547659	7282831	1579772	similar to hypothetical protein	RGD1564053	500390	1,08	down
6598394	7282831	1579741	similar to hypothetical protein	RGD1564053	500390	1,08	up
6672867	7284901	1584814	similar to hypothetical protein	RGD1310641	366347	1,08	down
5698983	7130889	1203878	similar to hypothetical protein	RGD1563070	305812	1,07	up
6106185	7304045	1632672	similar to hypothetical protein	MGC94915	362712	1,07	up
6578616	7284901	1584819	similar to hypothetical protein	RGD1310641	366347	1,07	down
6465312	7130889	1203869	similar to hypothetical protein	RGD1563070	305812	1,07	down
6110331	7282831	1579736	similar to hypothetical protein	RGD1564053	500390	1,06	up
5895754	7282831	1579781	similar to hypothetical protein	RGD1564053	500390	1,06	up
5959001	7282831	1579752	similar to hypothetical protein	RGD1564053	500390	1,06	up
6391673	7304045	1632672	similar to hypothetical protein	MGC94915	362712	1,06	up
5965367	7093219	1110681	similar to hypothetical protein	RGD1559942	363782	1,06	up
5722691	7304045	1632658	similar to hypothetical protein	MGC94915	362712	1,05	up
6625549	7282831	1579786	similar to hypothetical protein	RGD1564053	500390	1,05	up
5706556	7284901	1584813	similar to hypothetical protein	RGD1310641	366347	1,05	up
6052750	7304045	1632659	similar to hypothetical protein	MGC94915	362712	1,05	down
6019873	7093219	1110693	similar to hypothetical protein	RGD1559942	363782	1,04	down
5910191	7282831	1579742	similar to hypothetical protein	RGD1564053	500390	1,04	up
6640638	7284901	1584808	similar to hypothetical protein	RGD1310641	366347	1,03	down

6357075	7284901	1584818	similar to hypothetical protein	RGD1310641	366347	1,03	down
6328298	7130889	1203881	similar to hypothetical protein	RGD1563070	305812	1,02	up
6596970	7304045	1632665	similar to hypothetical protein	MGC94915	362712	1,02	down
6185729	7284901	1584811	similar to hypothetical protein	RGD1310641	366347	1,02	up
5913110	7284901	1584806	similar to hypothetical protein	RGD1310641	366347	1,02	down
6703543	7093219	1110698	similar to hypothetical protein	RGD1559942	363782	1,02	up
6639530	7282831	1579799	similar to hypothetical protein	RGD1564053	500390	1,02	down
6663662	7093219	1110688	similar to hypothetical protein	RGD1559942	363782	1,02	down
6244667	7282831	1579751	similar to hypothetical protein	RGD1564053	500390	1,02	up
6709227	7093219	1110693	similar to hypothetical protein	RGD1559942	363782	1,01	down
6496287	7304045	1632661	similar to hypothetical protein	MGC94915	362712	1,01	up
6436482	7093219	1110681	similar to hypothetical protein	RGD1559942	363782	1,01	down
6728439	7282831	1579738	similar to hypothetical protein	RGD1564053	500390	1,01	down
5720333	7093219	1110699	similar to hypothetical protein	RGD1559942	363782	1,01	down
5937980	7284901	1584804	similar to hypothetical protein	RGD1310641	366347	1,01	down
6452846	7284901	1584815	similar to hypothetical protein	RGD1310641	366347	1,00	down
6579669	7093219	1110693	similar to hypothetical protein	RGD1559942	363782	1,00	up
6110957	7282831	1579774	similar to hypothetical protein	RGD1564053	500390	1,00	down
6312645	7313064	1654514	similar to hypothetical protein 4930509O22	LOC300308	300308	1,66	up
6614681	7313064	1654508	similar to hypothetical protein 4930509O22	LOC300308	300308	1,54	up
6157456	7313064	1654509	similar to hypothetical protein 4930509O22	LOC300308	300308	1,51	up
6584413	7313064	1654508	similar to hypothetical protein 4930509O22	LOC300308	300308	1,47	down
6449458	7313064	1654509	similar to hypothetical protein 4930509O22	LOC300308	300308	1,37	up
5768202	7313064	1654510	similar to hypothetical protein 4930509O22	LOC300308	300308	1,33	up
6126297	7313064	1654519	similar to hypothetical protein 4930509O22	LOC300308	300308	1,25	down
6356488	7313064	1654512	similar to hypothetical protein 4930509O22	LOC300308	300308	1,20	up
5805115	7313064	1654519	similar to hypothetical protein 4930509O22	LOC300308	300308	1,19	down
6738690	7313064	1654517	similar to hypothetical protein 4930509O22	LOC300308	300308	1,19	down
5733467	7313064	1654518	similar to hypothetical protein 4930509O22	LOC300308	300308	1,15	down
5834091	7313064	1654507	similar to hypothetical protein 4930509O22	LOC300308	300308	1,14	down
6696754	7313064	1654513	similar to hypothetical protein 4930509O22	LOC300308	300308	1,13	up
5696094	7313064	1654515	similar to hypothetical protein 4930509O22	LOC300308	300308	1,06	up
5806784	7313064	1654518	similar to hypothetical protein 4930509O22	LOC300308	300308	1,05	down
5804039	7313064	1654516	similar to hypothetical protein 4930509O22	LOC300308	300308	1,04	up
6262816	7313064	1654515	similar to hypothetical protein 4930509O22	LOC300308	300308	1,03	up
5643843	7313064	1654515	similar to hypothetical protein 4930509O22	LOC300308	300308	1,02	down
5878508	7313064	1654520	similar to hypothetical protein 4930509O22	LOC300308	300308	1,02	up
6025047	7236968	1465660	similar to hypothetical protein 4932418E24	RGD1565512	499759	2,24	up
6019891	7236968	1465651	similar to hypothetical protein 4932418E24	RGD1565512	499759	2,16	up
6474752	7236968	1465653	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,86	down
6343311	7236968	1465657	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,74	down
6731234	7236968	1465652	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,54	down
5877438	7236968	1465651	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,48	up
6082957	7236968	1465653	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,42	down
5894161	7236968	1465659	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,42	down
6081305	7236968	1465653	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,39	up
6344150	7236968	1465660	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,38	up
5924060	7236968	1465651	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,33	up
6557868	7236968	1465652	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,26	down
5896990	7236968	1465659	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,25	up
6659022	7236968	1465658	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,22	down
6159206	7236968	1465652	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,18	up
6155990	7236968	1465655	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,11	down
5852724	7236968	1465659	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,09	down
5698045	7236968	1465655	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,06	down
5927869	7236968	1465654	similar to hypothetical protein 4932418E24	RGD1565512	499759	1,02	down
6272859	7275741	1561829	similar to hypothetical protein 4933430I17	LOC500475	500475	2,24	up

5626591	7275741	1561820	similar to hypothetical protein 4933430I17	LOC500475	500475	1,86	down
5891735	7275741	1561834	similar to hypothetical protein 4933430I17	LOC500475	500475	1,76	up
6290884	7275741	1561825	similar to hypothetical protein 4933430I17	LOC500475	500475	1,64	down
5626515	7275741	1561826	similar to hypothetical protein 4933430I17	LOC500475	500475	1,25	down
6642272	7275741	1561827	similar to hypothetical protein 4933430I17	LOC500475	500475	1,25	down
6249242	7275741	1561828	similar to hypothetical protein 4933430I17	LOC500475	500475	1,20	up
6670964	7275741	1561824	similar to hypothetical protein 4933430I17	LOC500475	500475	1,17	down
6456164	7275741	1561821	similar to hypothetical protein 4933430I17	LOC500475	500475	1,16	down
5666274	7275741	1561833	similar to hypothetical protein 4933430I17	LOC500475	500475	1,15	up
5939900	7275741	1561823	similar to hypothetical protein 4933430I17	LOC500475	500475	1,08	up
5925727	7275741	1561822	similar to hypothetical protein 4933430I17	LOC500475	500475	1,05	up
5675264	7275741	1561831	similar to hypothetical protein 4933430I17	LOC500475	500475	1,04	up
5975539	7275741	1561826	similar to hypothetical protein 4933430I17	LOC500475	500475	1,03	up
6055902	7275741	1561832	similar to hypothetical protein 4933430I17	LOC500475	500475	1,03	down
6188223	7275741	1561820	similar to hypothetical protein 4933430I17	LOC500475	500475	1,03	down
5745394	7275741	1561830	similar to hypothetical protein 4933430I17	LOC500475	500475	1,01	down
6337029	7350993	1747489	similar to hypothetical protein A730098P15	RGD1565726	363167	1,16	up
5687333	7350993	1747480	similar to hypothetical protein A730098P15	RGD1565726	363167	1,11	up
6297628	7350993	1747481	similar to hypothetical protein A730098P15	RGD1565726	363167	1,02	up
6039793	7259131	1520410	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	2,06	down
6734929	7259131	1520418	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,60	up
5848301	7259131	1520405	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,46	down
6550512	7259131	1520418	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,46	up
6010928	7259131	1520401	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,37	up
5945881	7259131	1520417	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,34	up
6590334	7259131	1520418	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,33	up
6049329	7259131	1520402	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,28	up
5769392	7259131	1520418	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,27	down
6235965	7259131	1520404	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,16	down
6601242	7259131	1520411	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,15	up
5774839	7259131	1520416	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,12	up
5905505	7259131	1520418	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,10	up
6152426	7259131	1520418	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,07	down
6192736	7259131	1520415	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,05	down
6465447	7259131	1520409	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,04	up
5941901	7259131	1520408	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,03	up
6422539	7259131	1520403	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,03	down
5858926	7259131	1520407	similar to hypothetical protein DKFZp761D0211	RGD1306151	362455	1,01	up
6044222	7147979	1245991	similar to hypothetical protein FLJ10154	RGD1310061	290912	2,01	down
5997402	7147979	1245988	similar to hypothetical protein FLJ10154	RGD1310061	290912	1,85	up
6641126	7147979	1245988	similar to hypothetical protein FLJ10154	RGD1310061	290912	1,23	up
6141845	7147979	1245990	similar to hypothetical protein FLJ10154	RGD1310061	290912	1,16	up
6031518	7147979	1245988	similar to hypothetical protein FLJ10154	RGD1310061	290912	1,13	up
5623799	7147979	1245989	similar to hypothetical protein FLJ10154	RGD1310061	290912	1,02	up
6091475	7147979	1245992	similar to hypothetical protein FLJ10154	RGD1310061	290912	1,01	up
6688451	7113339	1160715	similar to hypothetical protein FLJ10706	LOC498265	498265	2,45	up
5973022	7113339	1160721	similar to hypothetical protein FLJ10706	LOC498265	498265	1,78	up
6135900	7113339	1160722	similar to hypothetical protein FLJ10706	LOC498265	498265	1,66	up
6670438	7113339	1160723	similar to hypothetical protein FLJ10706	LOC498265	498265	1,65	down
6629952	7113339	1160718	similar to hypothetical protein FLJ10706	LOC498265	498265	1,58	up
5874583	7113339	1160713	similar to hypothetical protein FLJ10706	LOC498265	498265	1,58	down
6068643	7113339	1160708	similar to hypothetical protein FLJ10706	LOC498265	498265	1,53	down
6354401	7113339	1160731	similar to hypothetical protein FLJ10706	LOC498265	498265	1,34	down
6136049	7113339	1160725	similar to hypothetical protein FLJ10706	LOC498265	498265	1,28	up
6318895	7113339	1160717	similar to hypothetical protein FLJ10706	LOC498265	498265	1,26	up
6194263	7113339	1160721	similar to hypothetical protein FLJ10706	LOC498265	498265	1,19	down
6283753	7113339	1160727	similar to hypothetical protein FLJ10706	LOC498265	498265	1,17	down

6701120	7113339	1160709	similar to hypothetical protein FLJ10706	LOC498265	498265	1,16	down
6493146	7113339	1160724	similar to hypothetical protein FLJ10706	LOC498265	498265	1,16	up
6017291	7113339	1160715	similar to hypothetical protein FLJ10706	LOC498265	498265	1,16	down
5618916	7113339	1160719	similar to hypothetical protein FLJ10706	LOC498265	498265	1,16	up
6531892	7113339	1160726	similar to hypothetical protein FLJ10706	LOC498265	498265	1,15	down
6441347	7113339	1160716	similar to hypothetical protein FLJ10706	LOC498265	498265	1,13	down
6314788	7113339	1160713	similar to hypothetical protein FLJ10706	LOC498265	498265	1,10	down
6566855	7113339	1160729	similar to hypothetical protein FLJ10706	LOC498265	498265	1,09	up
6688901	7113339	1160712	similar to hypothetical protein FLJ10706	LOC498265	498265	1,08	down
5836736	7113339	1160728	similar to hypothetical protein FLJ10706	LOC498265	498265	1,07	up
6717048	7113339	1160714	similar to hypothetical protein FLJ10706	LOC498265	498265	1,07	down
6147552	7113339	1160720	similar to hypothetical protein FLJ10706	LOC498265	498265	1,07	down
6015435	7113339	1160731	similar to hypothetical protein FLJ10706	LOC498265	498265	1,04	down
5676051	7113339	1160710	similar to hypothetical protein FLJ10706	LOC498265	498265	1,04	down
5674147	7113339	1160711	similar to hypothetical protein FLJ10706	LOC498265	498265	1,03	up
6520899	7113339	1160730	similar to hypothetical protein FLJ10706	LOC498265	498265	1,03	up
6498954	7318596	1668936	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,83	down
5906390	7318596	1668926	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,45	down
5765769	7318596	1668925	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,43	up
6214316	7318596	1668936	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,38	up
6656054	7318596	1668928	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,38	down
6436539	7318596	1668929	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,24	down
6166024	7318596	1668931	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,22	down
6687367	7318596	1668938	similar to hypothetical protein FLJ12242	RGD1311154	300317	1,00	up
6444120	7190534	1351233	similar to hypothetical protein FLJ13231	RGD1310081	310137	2,04	up
6541943	7190534	1351239	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,87	down
6228188	7190534	1351215	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,80	down
5796179	7190534	1351241	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,42	down
6320827	7190534	1351219	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,35	up
6154049	7190534	1351237	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,33	up
6328857	7190534	1351229	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,31	up
6375241	7190534	1351226	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,28	up
6691828	7190534	1351226	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,26	up
6516958	7190534	1351231	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,24	down
5679940	7190534	1351209	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,23	up
6120386	7190534	1351235	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,22	down
5751686	7190534	1351216	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,19	up
6106126	7190534	1351237	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,18	down
6455710	7190534	1351239	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,16	up
6100110	7190534	1351214	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,16	up
5897087	7190534	1351234	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,14	down
6721292	7190534	1351240	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,13	down
5994909	7190534	1351220	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,10	down
5976527	7190534	1351217	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,09	up
6448327	7190534	1351218	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,09	down
6699115	7190534	1351227	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,08	up
6437019	7190534	1351213	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,07	down
6444031	7190534	1351211	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,05	up
6659921	7190534	1351212	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,05	up
6095254	7190534	1351208	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,02	down
6410533	7190534	1351223	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,02	up
5836398	7190534	1351224	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,02	up
6221841	7190534	1351210	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,01	up
6394901	7190534	1351236	similar to hypothetical protein FLJ13231	RGD1310081	310137	1,01	down
6554589	7285563	1586043	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,82	up
6076725	7285563	1586043	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,28	up
5631554	7285563	1586041	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,25	up

6033644	7285563	1586043	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,21	down
6589527	7285563	1586042	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,09	up
6269324	7285563	1586039	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,08	up
6193789	7285563	1586042	similar to hypothetical protein FLJ14642	RGD1310376	298404	1,07	down
6222873	7282927	1579973	similar to hypothetical protein FLJ22490	RGD1307055	362472	1,32	down
5880224	7282927	1580009	similar to hypothetical protein FLJ22490	RGD1307055	362472	1,25	down
6573377	7282927	1580010	similar to hypothetical protein FLJ22490	RGD1307055	362472	1,15	down
5982282	7365147	1781745	similar to hypothetical protein FLJ22527	RGD1305311	316616	1,21	down
6588547	7059584	1030561	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,29	up
6015337	7059584	1030560	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,15	up
6007577	7059584	1030563	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,10	up
6742927	7059584	1030562	similar to hypothetical protein FLJ22531	RGD1563323	361702	1,10	down
6697200	7143412	1234588	similar to hypothetical protein FLJ31737	RGD1310423	361112	2,09	up
6726618	7143412	1234592	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,45	down
6053594	7143412	1234602	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,20	up
5663502	7143412	1234593	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,15	up
6136435	7143412	1234609	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,14	down
5744847	7143412	1234597	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,10	up
5812730	7143412	1234604	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,06	down
6038390	7143412	1234584	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,02	down
6257550	7143412	1234609	similar to hypothetical protein FLJ31737	RGD1310423	361112	1,01	up
5627519	7223395	1431089	similar to hypothetical protein FLJ32745	RGD1566050	499442	1,73	up
6088817	7223395	1431090	similar to hypothetical protein FLJ32745	RGD1566050	499442	1,41	down
6575418	7223395	1431087	similar to hypothetical protein FLJ32745	RGD1566050	499442	1,26	up
6032418	7223395	1431071	similar to hypothetical protein FLJ32745	RGD1566050	499442	1,09	down
5718199	7223395	1431085	similar to hypothetical protein FLJ32745	RGD1566050	499442	1,08	down
5672628	7223395	1431091	similar to hypothetical protein FLJ32745	RGD1566050	499442	1,00	down
6388749	7112672	1158987	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	2,18	up
5693084	7112672	1158997	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,99	up
6195040	7112672	1158983	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,89	down
6582473	7112672	1159006	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,86	down
6091430	7112672	1158985	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,63	up
5698454	7112672	1158985	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,56	up
6657708	7112672	1158993	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,49	down
5906582	7112672	1158979	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,39	up
6611991	7112672	1158992	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,36	down
6067327	7112672	1159004	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,36	down
6138218	7112672	1158998	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,36	up
6369887	7112672	1159005	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,33	up
6599332	7112672	1158994	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,32	up
5819098	7112672	1158981	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,27	down
6538013	7112672	1159005	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,27	down
6561177	7112672	1158982	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,18	up
6536910	7112672	1158990	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,17	down
6583904	7112672	1158990	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,13	down
6430305	7112672	1159001	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,13	down
6471101	7112672	1158984	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,12	up
5857703	7112672	1158991	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,10	down
6585092	7112672	1159000	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,05	up
5854346	7112672	1158989	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,02	up
6667436	7112672	1158996	similar to hypothetical protein FLJ32940 isoform 1	RGD1566124	501861	1,01	down
6168375	7093255	1110761	similar to hypothetical protein KIAA2018	RGD1560175	303946	1,34	down
6136273	7099543	1126630	similar to hypothetical protein LOC199675	RGD1565374	498128	2,29	up
5978730	7099543	1126632	similar to hypothetical protein LOC199675	RGD1565374	498128	1,38	down
5685186	7099543	1126633	similar to hypothetical protein LOC199675	RGD1565374	498128	1,23	down
6674114	7099543	1126635	similar to hypothetical protein LOC199675	RGD1565374	498128	1,16	up
6012370	7099543	1126628	similar to hypothetical protein LOC199675	RGD1565374	498128	1,13	down

5825985	7099543	1126631	similar to hypothetical protein LOC199675	RGD1565374	498128	1,07	down
6415085	7099543	1126634	similar to hypothetical protein LOC199675	RGD1565374	498128	1,06	down
5972896	7099543	1126629	similar to hypothetical protein LOC199675	RGD1565374	498128	1,04	down
6148810	7099543	1126635	similar to hypothetical protein LOC199675	RGD1565374	498128	1,00	down
6144858	7255755	1511921	similar to Hypothetical protein MGC25529	RGD1306746	312511	2,30	down
5688072	7255755	1511914	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,64	down
5724763	7255755	1511923	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,54	up
6101548	7255755	1511920	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,23	up
6305644	7255755	1511923	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,16	down
5853244	7255755	1511917	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,15	up
6110081	7255755	1511918	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,15	down
5735807	7255755	1511916	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,07	down
6517273	7255755	1511915	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,05	down
6495130	7255755	1511919	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,02	down
5825055	7255755	1511924	similar to Hypothetical protein MGC25529	RGD1306746	312511	1,02	down
6638194	7272616	1554414	similar to hypothetical protein MGC34646	RGD1564200	366311	1,99	up
5857875	7272616	1554383	similar to hypothetical protein MGC34646	RGD1564200	366311	1,48	up
6686267	7272616	1554396	similar to hypothetical protein MGC34646	RGD1564200	366311	1,35	down
5975267	7272616	1554414	similar to hypothetical protein MGC34646	RGD1564200	366311	1,30	up
6495846	7272616	1554416	similar to hypothetical protein MGC34646	RGD1564200	366311	1,30	up
6392460	7272616	1554416	similar to hypothetical protein MGC34646	RGD1564200	366311	1,17	down
6711995	7272616	1554416	similar to hypothetical protein MGC34646	RGD1564200	366311	1,16	down
5700193	7272616	1554416	similar to hypothetical protein MGC34646	RGD1564200	366311	1,09	down
5868356	7272616	1554413	similar to hypothetical protein MGC34646	RGD1564200	366311	1,05	up
5958588	7272616	1554387	similar to hypothetical protein MGC34646	RGD1564200	366311	1,03	down
6223947	7272616	1554387	similar to hypothetical protein MGC34646	RGD1564200	366311	1,00	up
6357081	7059429	1030241	similar to hypothetical protein MGC37914	RGD1307603	293656	2,04	down
6305313	7059429	1030242	similar to hypothetical protein MGC37914	RGD1307603	293656	1,95	up
6221442	7059429	1030249	similar to hypothetical protein MGC37914	RGD1307603	293656	1,21	down
6625804	7059429	1030245	similar to hypothetical protein MGC37914	RGD1307603	293656	1,09	up
5965910	7059429	1030247	similar to hypothetical protein MGC37914	RGD1307603	293656	1,08	up
5829998	7059429	1030246	similar to hypothetical protein MGC37914	RGD1307603	293656	1,03	up
6049941	7059429	1030244	similar to hypothetical protein MGC37914	RGD1307603	293656	1,02	up
6690340	7293922	1605959	similar to hypothetical protein MGC45873	RGD1310271	313778	1,51	down
5793369	7293922	1605958	similar to hypothetical protein MGC45873	RGD1310271	313778	1,03	up
5969943	7289597	1595869	similar to Hypothetical protein MGC58608	RGD1559493	500516	2,40	up
6117966	7289597	1595877	similar to Hypothetical protein MGC58608	RGD1559493	500516	2,05	down
6519383	7289597	1595873	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,72	up
5641104	7289597	1595867	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,47	up
6028805	7289597	1595875	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,38	up
5711161	7289597	1595870	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,29	down
6731359	7289597	1595875	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,27	down
5998000	7289597	1595876	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,17	up
6262269	7289597	1595871	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,14	up
6183353	7289597	1595874	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,09	down
6187440	7289597	1595872	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,03	up
6600981	7289597	1595877	similar to Hypothetical protein MGC58608	RGD1559493	500516	1,01	down
6423785	7083030	1086272	similar to Integrin alpha-IIb precursor (Platelet membrane glycoprotein IIb) (GPalpha IIb) (GPIIb) (CI	LOC685269	685269	1,33	up
6702097	7083030	1086243	similar to Integrin alpha-IIb precursor (Platelet membrane glycoprotein IIb) (GPalpha IIb) (GPIIb) (CI	LOC685269	685269	1,05	up
6395448	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	10,61	up
6496597	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	7,69	up
6634436	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	6,03	up
6641304	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	2,18	down
6553314	7170909	1302054	similar to interferon-inducible GTPase	MGC108823	307414	1,45	down
6458418	7170909	1302052	similar to interferon-inducible GTPase	MGC108823	307414	1,27	down
6665677	7170909	1302053	similar to interferon-inducible GTPase	MGC108823	307414	1,07	up
6128080	7370446	1797001	similar to jumonji domain containing 2B	LOC301128	301128	2,67	down

6175677	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,77	up
6579566	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,61	down
5965891	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,36	up
6353129	7370446	1797002	similar to jumonji domain containing 2B	LOC301128	301128	1,32	down
6215605	7370446	1796998	similar to jumonji domain containing 2B	LOC301128	301128	1,30	down
6624238	7370446	1796990	similar to jumonji domain containing 2B	LOC301128	301128	1,26	down
6442505	7370446	1796998	similar to jumonji domain containing 2B	LOC301128	301128	1,24	down
6434731	7370446	1796989	similar to jumonji domain containing 2B	LOC301128	301128	1,24	down
6155518	7370446	1796988	similar to jumonji domain containing 2B	LOC301128	301128	1,23	down
5703218	7370446	1796991	similar to jumonji domain containing 2B	LOC301128	301128	1,18	up
6486789	7370446	1796995	similar to jumonji domain containing 2B	LOC301128	301128	1,17	up
6632655	7370446	1797017	similar to jumonji domain containing 2B	LOC301128	301128	1,14	down
6324028	7370446	1797020	similar to jumonji domain containing 2B	LOC301128	301128	1,14	up
6295395	7370446	1797001	similar to jumonji domain containing 2B	LOC301128	301128	1,14	up
6650398	7370446	1797018	similar to jumonji domain containing 2B	LOC301128	301128	1,13	up
6003147	7370446	1797010	similar to jumonji domain containing 2B	LOC301128	301128	1,12	down
6438485	7370446	1797017	similar to jumonji domain containing 2B	LOC301128	301128	1,12	up
5792615	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,11	up
5629195	7370446	1796988	similar to jumonji domain containing 2B	LOC301128	301128	1,11	up
5886097	7370446	1796995	similar to jumonji domain containing 2B	LOC301128	301128	1,08	up
5784411	7370446	1797015	similar to jumonji domain containing 2B	LOC301128	301128	1,08	down
6019061	7370446	1797003	similar to jumonji domain containing 2B	LOC301128	301128	1,07	up
5965738	7370446	1797011	similar to jumonji domain containing 2B	LOC301128	301128	1,07	up
5742711	7370446	1796999	similar to jumonji domain containing 2B	LOC301128	301128	1,07	up
6441920	7370446	1797005	similar to jumonji domain containing 2B	LOC301128	301128	1,07	up
6409265	7370446	1796992	similar to jumonji domain containing 2B	LOC301128	301128	1,05	up
6221395	7370446	1797012	similar to jumonji domain containing 2B	LOC301128	301128	1,04	down
5707303	7370446	1796993	similar to jumonji domain containing 2B	LOC301128	301128	1,04	up
5771204	7370446	1796996	similar to jumonji domain containing 2B	LOC301128	301128	1,03	down
6712780	7370446	1797016	similar to jumonji domain containing 2B	LOC301128	301128	1,02	up
6205661	7370446	1796997	similar to jumonji domain containing 2B	LOC301128	301128	1,01	up
5652241	7370446	1797017	similar to jumonji domain containing 2B	LOC301128	301128	1,01	down
6513553	7191382	1353515	similar to keratin complex 1, acidic, gene 18	LOC683212	683212	5,92	down
6636863	7191382	1353518	similar to keratin complex 1, acidic, gene 18	LOC683212	683212	1,47	down
6654067	7280982	1575132	similar to KIAA0090 protein	RGD1310427	362643	1,98	up
6487464	7280982	1575155	similar to KIAA0090 protein	RGD1310427	362643	1,84	up
6509015	7280982	1575140	similar to KIAA0090 protein	RGD1310427	362643	1,55	up
6025963	7280982	1575146	similar to KIAA0090 protein	RGD1310427	362643	1,39	up
6165308	7280982	1575138	similar to KIAA0090 protein	RGD1310427	362643	1,37	up
6154140	7280982	1575134	similar to KIAA0090 protein	RGD1310427	362643	1,32	up
6187791	7280982	1575144	similar to KIAA0090 protein	RGD1310427	362643	1,29	up
6718311	7280982	1575145	similar to KIAA0090 protein	RGD1310427	362643	1,26	up
5713282	7280982	1575139	similar to KIAA0090 protein	RGD1310427	362643	1,24	up
6306980	7280982	1575137	similar to KIAA0090 protein	RGD1310427	362643	1,23	up
5886287	7280982	1575148	similar to KIAA0090 protein	RGD1310427	362643	1,22	up
6236928	7280982	1575136	similar to KIAA0090 protein	RGD1310427	362643	1,20	up
6586740	7280982	1575153	similar to KIAA0090 protein	RGD1310427	362643	1,19	up
6358427	7280982	1575141	similar to KIAA0090 protein	RGD1310427	362643	1,17	up
6374218	7280982	1575154	similar to KIAA0090 protein	RGD1310427	362643	1,16	up
5735577	7280982	1575143	similar to KIAA0090 protein	RGD1310427	362643	1,15	up
5823170	7280982	1575135	similar to KIAA0090 protein	RGD1310427	362643	1,12	up
6216206	7280982	1575154	similar to KIAA0090 protein	RGD1310427	362643	1,10	down
5821488	7280982	1575133	similar to KIAA0090 protein	RGD1310427	362643	1,10	up
6050313	7280982	1575152	similar to KIAA0090 protein	RGD1310427	362643	1,10	down
6733808	7280982	1575154	similar to KIAA0090 protein	RGD1310427	362643	1,09	up
6387638	7280982	1575149	similar to KIAA0090 protein	RGD1310427	362643	1,09	up
6410009	7280982	1575151	similar to KIAA0090 protein	RGD1310427	362643	1,07	down

6113378	7280982	1575147	similar to KIAA0090 protein	RGD1310427	362643	1,07	down
6276862	7280982	1575150	similar to KIAA0090 protein	RGD1310427	362643	1,06	down
6615199	7280982	1575136	similar to KIAA0090 protein	RGD1310427	362643	1,05	up
6548285	7280982	1575142	similar to KIAA0090 protein	RGD1310427	362643	1,05	up
6241499	7102416	1133520	similar to KIAA0614 protein	RGD1309762	304503	1,81	down
6221086	7102416	1133514	similar to KIAA0614 protein	RGD1309762	304503	1,62	down
5994231	7102416	1133492	similar to KIAA0614 protein	RGD1309762	304503	1,44	down
6473109	7102416	1133534	similar to KIAA0614 protein	RGD1309762	304503	1,40	up
6618644	7102416	1133506	similar to KIAA0614 protein	RGD1309762	304503	1,35	down
5854831	7102416	1133540	similar to KIAA0614 protein	RGD1309762	304503	1,35	up
6573943	7102416	1133509	similar to KIAA0614 protein	RGD1309762	304503	1,34	down
5877563	7102416	1133533	similar to KIAA0614 protein	RGD1309762	304503	1,31	up
5956085	7102416	1133532	similar to KIAA0614 protein	RGD1309762	304503	1,29	up
6289777	7102416	1133544	similar to KIAA0614 protein	RGD1309762	304503	1,25	up
6583092	7102416	1133491	similar to KIAA0614 protein	RGD1309762	304503	1,24	down
6625467	7102416	1133493	similar to KIAA0614 protein	RGD1309762	304503	1,24	down
6398970	7102416	1133538	similar to KIAA0614 protein	RGD1309762	304503	1,22	up
5960519	7102416	1133537	similar to KIAA0614 protein	RGD1309762	304503	1,22	down
6285811	7102416	1133519	similar to KIAA0614 protein	RGD1309762	304503	1,21	down
5982481	7102416	1133498	similar to KIAA0614 protein	RGD1309762	304503	1,21	up
5926771	7102416	1133517	similar to KIAA0614 protein	RGD1309762	304503	1,21	down
5721878	7102416	1133507	similar to KIAA0614 protein	RGD1309762	304503	1,20	down
6502765	7102416	1133531	similar to KIAA0614 protein	RGD1309762	304503	1,19	down
5809995	7102416	1133523	similar to KIAA0614 protein	RGD1309762	304503	1,18	up
5986156	7102416	1133500	similar to KIAA0614 protein	RGD1309762	304503	1,13	down
6499966	7102416	1133550	similar to KIAA0614 protein	RGD1309762	304503	1,13	up
6450512	7102416	1133513	similar to KIAA0614 protein	RGD1309762	304503	1,13	up
5995086	7102416	1133491	similar to KIAA0614 protein	RGD1309762	304503	1,12	down
5650525	7102416	1133494	similar to KIAA0614 protein	RGD1309762	304503	1,12	down
6302578	7102416	1133495	similar to KIAA0614 protein	RGD1309762	304503	1,12	down
6552818	7102416	1133504	similar to KIAA0614 protein	RGD1309762	304503	1,12	down
5939135	7102416	1133502	similar to KIAA0614 protein	RGD1309762	304503	1,12	up
6645253	7102416	1133509	similar to KIAA0614 protein	RGD1309762	304503	1,11	down
6225773	7102416	1133521	similar to KIAA0614 protein	RGD1309762	304503	1,11	up
6397144	7102416	1133546	similar to KIAA0614 protein	RGD1309762	304503	1,10	up
5982006	7102416	1133522	similar to KIAA0614 protein	RGD1309762	304503	1,10	down
6478165	7102416	1133528	similar to KIAA0614 protein	RGD1309762	304503	1,09	up
5843471	7102416	1133509	similar to KIAA0614 protein	RGD1309762	304503	1,09	down
5704224	7102416	1133503	similar to KIAA0614 protein	RGD1309762	304503	1,09	up
6201758	7102416	1133496	similar to KIAA0614 protein	RGD1309762	304503	1,09	down
6209094	7102416	1133516	similar to KIAA0614 protein	RGD1309762	304503	1,08	down
6181182	7102416	1133526	similar to KIAA0614 protein	RGD1309762	304503	1,08	down
6678968	7102416	1133535	similar to KIAA0614 protein	RGD1309762	304503	1,08	down
6524979	7102416	1133515	similar to KIAA0614 protein	RGD1309762	304503	1,07	up
6460012	7102416	1133536	similar to KIAA0614 protein	RGD1309762	304503	1,07	down
6668403	7102416	1133512	similar to KIAA0614 protein	RGD1309762	304503	1,06	down
6264735	7102416	1133529	similar to KIAA0614 protein	RGD1309762	304503	1,06	up
5975852	7102416	1133545	similar to KIAA0614 protein	RGD1309762	304503	1,06	down
6095230	7102416	1133535	similar to KIAA0614 protein	RGD1309762	304503	1,06	down
6341060	7102416	1133497	similar to KIAA0614 protein	RGD1309762	304503	1,06	down
5742074	7102416	1133509	similar to KIAA0614 protein	RGD1309762	304503	1,05	up
6333582	7102416	1133542	similar to KIAA0614 protein	RGD1309762	304503	1,05	down
6184591	7102416	1133527	similar to KIAA0614 protein	RGD1309762	304503	1,04	down
6453255	7102416	1133505	similar to KIAA0614 protein	RGD1309762	304503	1,03	down
5943247	7102416	1133543	similar to KIAA0614 protein	RGD1309762	304503	1,03	down
5651258	7102416	1133501	similar to KIAA0614 protein	RGD1309762	304503	1,03	up
5988326	7102416	1133499	similar to KIAA0614 protein	RGD1309762	304503	1,02	down

6558808	7102416	1133547	similar to KIAA0614 protein	RGD1309762	304503	1,02	down
6245472	7102416	1133549	similar to KIAA0614 protein	RGD1309762	304503	1,02	down
6225202	7102416	1133532	similar to KIAA0614 protein	RGD1309762	304503	1,01	down
6639137	7102416	1133539	similar to KIAA0614 protein	RGD1309762	304503	1,00	up
5628017	7293402	1604862	similar to KIAA0833 protein	LOC362665	362665	1,24	up
6437525	7293402	1604869	similar to KIAA0833 protein	LOC362665	362665	1,15	down
6649914	7293402	1604861	similar to KIAA0833 protein	LOC362665	362665	1,10	up
6636344	7293402	1604869	similar to KIAA0833 protein	LOC362665	362665	1,02	down
6083588	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	2,11	down
6373942	7322020	1676650	similar to KIAA1086 protein	RGD1304737	314639	1,89	down
6365030	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,85	down
6126208	7322020	1676652	similar to KIAA1086 protein	RGD1304737	314639	1,63	down
6521408	7322020	1676635	similar to KIAA1086 protein	RGD1304737	314639	1,48	down
5808717	7322020	1676645	similar to KIAA1086 protein	RGD1304737	314639	1,48	up
6146208	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,46	down
6672888	7322020	1676634	similar to KIAA1086 protein	RGD1304737	314639	1,34	down
6564054	7322020	1676642	similar to KIAA1086 protein	RGD1304737	314639	1,26	up
6623606	7322020	1676638	similar to KIAA1086 protein	RGD1304737	314639	1,17	down
5657792	7322020	1676639	similar to KIAA1086 protein	RGD1304737	314639	1,16	down
6318661	7322020	1676648	similar to KIAA1086 protein	RGD1304737	314639	1,14	up
5755196	7322020	1676637	similar to KIAA1086 protein	RGD1304737	314639	1,14	down
5935839	7322020	1676640	similar to KIAA1086 protein	RGD1304737	314639	1,13	up
6092551	7322020	1676644	similar to KIAA1086 protein	RGD1304737	314639	1,12	up
6216728	7322020	1676647	similar to KIAA1086 protein	RGD1304737	314639	1,10	up
6535281	7322020	1676643	similar to KIAA1086 protein	RGD1304737	314639	1,06	down
5939223	7322020	1676649	similar to KIAA1086 protein	RGD1304737	314639	1,06	down
5826589	7322020	1676638	similar to KIAA1086 protein	RGD1304737	314639	1,03	down
5695094	7322020	1676648	similar to KIAA1086 protein	RGD1304737	314639	1,02	up
6625296	7322020	1676636	similar to KIAA1086 protein	RGD1304737	314639	1,02	down
6305273	7322020	1676641	similar to KIAA1086 protein	RGD1304737	314639	1,01	up
5936894	7083355	1086916	similar to KIAA1267 protein	RGD1311429	360642	1,38	up
5671185	7083355	1086924	similar to KIAA1267 protein	RGD1311429	360642	1,26	down
6620295	7083355	1086906	similar to KIAA1267 protein	RGD1311429	360642	1,19	up
6132371	7083355	1086908	similar to KIAA1267 protein	RGD1311429	360642	1,17	up
6428151	7083355	1086904	similar to KIAA1267 protein	RGD1311429	360642	1,15	up
6740496	7083355	1086905	similar to KIAA1267 protein	RGD1311429	360642	1,14	up
5655339	7083355	1086904	similar to KIAA1267 protein	RGD1311429	360642	1,13	up
6050942	7083355	1086919	similar to KIAA1267 protein	RGD1311429	360642	1,09	down
6695202	7083355	1086911	similar to KIAA1267 protein	RGD1311429	360642	1,08	up
5978471	7083355	1086919	similar to KIAA1267 protein	RGD1311429	360642	1,08	up
6430341	7083355	1086915	similar to KIAA1267 protein	RGD1311429	360642	1,05	down
6172847	7083355	1086910	similar to KIAA1267 protein	RGD1311429	360642	1,05	down
6587870	7083355	1086903	similar to KIAA1267 protein	RGD1311429	360642	1,04	down
6282994	7083355	1086909	similar to KIAA1267 protein	RGD1311429	360642	1,02	up
5664701	7083355	1086909	similar to KIAA1267 protein	RGD1311429	360642	1,02	down
6068827	7083355	1086914	similar to KIAA1267 protein	RGD1311429	360642	1,02	down
5726432	7083355	1086923	similar to KIAA1267 protein	RGD1311429	360642	1,01	up
6557148	7083355	1086903	similar to KIAA1267 protein	RGD1311429	360642	1,01	down
6714986	7083355	1086913	similar to KIAA1267 protein	RGD1311429	360642	1,00	up
5619132	7083355	1086913	similar to KIAA1267 protein	RGD1311429	360642	1,00	up
5691941	7212735	1405034	similar to KIAA1324 protein	RGD1310209	362019	2,43	up
5643313	7212735	1405016	similar to KIAA1324 protein	RGD1310209	362019	1,46	up
6333431	7212735	1405005	similar to KIAA1324 protein	RGD1310209	362019	1,40	up
6138465	7212735	1405010	similar to KIAA1324 protein	RGD1310209	362019	1,39	down
6172525	7212735	1405023	similar to KIAA1324 protein	RGD1310209	362019	1,31	down
6666945	7212735	1405014	similar to KIAA1324 protein	RGD1310209	362019	1,27	up
6532480	7212735	1405034	similar to KIAA1324 protein	RGD1310209	362019	1,27	up

5775493	7212735	1405013	similar to KIAA1324 protein	RGD1310209	362019	1,19	up
5757081	7212735	1405018	similar to KIAA1324 protein	RGD1310209	362019	1,18	down
6282303	7212735	1405019	similar to KIAA1324 protein	RGD1310209	362019	1,16	down
6699982	7212735	1405007	similar to KIAA1324 protein	RGD1310209	362019	1,16	up
6448901	7212735	1405009	similar to KIAA1324 protein	RGD1310209	362019	1,12	down
5723812	7212735	1405008	similar to KIAA1324 protein	RGD1310209	362019	1,12	up
6488019	7212735	1405003	similar to KIAA1324 protein	RGD1310209	362019	1,11	up
6410691	7212735	1405011	similar to KIAA1324 protein	RGD1310209	362019	1,08	up
6479653	7212735	1405004	similar to KIAA1324 protein	RGD1310209	362019	1,08	up
6376977	7212735	1405020	similar to KIAA1324 protein	RGD1310209	362019	1,07	up
6336951	7212735	1405017	similar to KIAA1324 protein	RGD1310209	362019	1,07	down
5766219	7212735	1405033	similar to KIAA1324 protein	RGD1310209	362019	1,06	down
6294927	7212735	1405015	similar to KIAA1324 protein	RGD1310209	362019	1,01	up
6621380	7212735	1405012	similar to KIAA1324 protein	RGD1310209	362019	1,00	down
6490111	7025310	949247	similar to KIAA1357 protein	RGD1308124	308631	2,34	up
6130857	7025310	949265	similar to KIAA1357 protein	RGD1308124	308631	1,85	up
5999673	7025310	949267	similar to KIAA1357 protein	RGD1308124	308631	1,63	up
5783401	7025310	949267	similar to KIAA1357 protein	RGD1308124	308631	1,62	up
5995742	7025310	949269	similar to KIAA1357 protein	RGD1308124	308631	1,41	up
5620199	7025310	949267	similar to KIAA1357 protein	RGD1308124	308631	1,27	up
5671782	7025310	949267	similar to KIAA1357 protein	RGD1308124	308631	1,09	up
6648921	7025310	949268	similar to KIAA1357 protein	RGD1308124	308631	1,07	down
6046853	7025310	949260	similar to KIAA1357 protein	RGD1308124	308631	1,06	down
5901659	7025310	949270	similar to KIAA1357 protein	RGD1308124	308631	1,06	down
6665932	7025310	949269	similar to KIAA1357 protein	RGD1308124	308631	1,03	down
6723542	7025310	949267	similar to KIAA1357 protein	RGD1308124	308631	1,01	up
6065911	7301198	1624814	similar to KIAA1409 protein	RGD1311117	314401	3,21	up
5834866	7301198	1624789	similar to KIAA1409 protein	RGD1311117	314401	1,99	up
6619957	7301198	1624814	similar to KIAA1409 protein	RGD1311117	314401	1,84	up
6091774	7301198	1624762	similar to KIAA1409 protein	RGD1311117	314401	1,65	down
5879656	7301198	1624770	similar to KIAA1409 protein	RGD1311117	314401	1,62	up
6158007	7301198	1624760	similar to KIAA1409 protein	RGD1311117	314401	1,52	up
6630469	7301198	1624799	similar to KIAA1409 protein	RGD1311117	314401	1,38	down
6464299	7301198	1624781	similar to KIAA1409 protein	RGD1311117	314401	1,38	up
5891905	7301198	1624815	similar to KIAA1409 protein	RGD1311117	314401	1,34	up
6066408	7301198	1624791	similar to KIAA1409 protein	RGD1311117	314401	1,29	up
6237121	7301198	1624793	similar to KIAA1409 protein	RGD1311117	314401	1,26	up
6193348	7301198	1624813	similar to KIAA1409 protein	RGD1311117	314401	1,26	down
6318449	7301198	1624768	similar to KIAA1409 protein	RGD1311117	314401	1,25	down
6151572	7301198	1624800	similar to KIAA1409 protein	RGD1311117	314401	1,24	down
6289715	7301198	1624760	similar to KIAA1409 protein	RGD1311117	314401	1,23	down
6588256	7301198	1624776	similar to KIAA1409 protein	RGD1311117	314401	1,22	up
6285468	7301198	1624758	similar to KIAA1409 protein	RGD1311117	314401	1,22	down
6101961	7301198	1624764	similar to KIAA1409 protein	RGD1311117	314401	1,21	down
5877540	7301198	1624761	similar to KIAA1409 protein	RGD1311117	314401	1,19	down
5635845	7301198	1624808	similar to KIAA1409 protein	RGD1311117	314401	1,19	down
6631754	7301198	1624790	similar to KIAA1409 protein	RGD1311117	314401	1,18	up
6369731	7301198	1624757	similar to KIAA1409 protein	RGD1311117	314401	1,17	down
6376626	7301198	1624773	similar to KIAA1409 protein	RGD1311117	314401	1,16	up
5654646	7301198	1624782	similar to KIAA1409 protein	RGD1311117	314401	1,16	down
6141776	7301198	1624797	similar to KIAA1409 protein	RGD1311117	314401	1,16	up
6598806	7301198	1624783	similar to KIAA1409 protein	RGD1311117	314401	1,15	up
5791864	7301198	1624796	similar to KIAA1409 protein	RGD1311117	314401	1,13	up
5975898	7301198	1624807	similar to KIAA1409 protein	RGD1311117	314401	1,13	up
6229459	7301198	1624772	similar to KIAA1409 protein	RGD1311117	314401	1,13	down
6684242	7301198	1624763	similar to KIAA1409 protein	RGD1311117	314401	1,11	down
6674946	7301198	1624769	similar to KIAA1409 protein	RGD1311117	314401	1,11	up

6682717	7301198	1624760	similar to KIAA1409 protein	RGD1311117	314401	1,11	down
6178897	7301198	1624782	similar to KIAA1409 protein	RGD1311117	314401	1,11	up
6313349	7301198	1624809	similar to KIAA1409 protein	RGD1311117	314401	1,11	up
5671023	7301198	1624777	similar to KIAA1409 protein	RGD1311117	314401	1,10	up
6256305	7301198	1624749	similar to KIAA1409 protein	RGD1311117	314401	1,10	up
6471280	7301198	1624792	similar to KIAA1409 protein	RGD1311117	314401	1,09	up
6531158	7301198	1624743	similar to KIAA1409 protein	RGD1311117	314401	1,08	up
6562088	7301198	1624752	similar to KIAA1409 protein	RGD1311117	314401	1,08	down
5807881	7301198	1624747	similar to KIAA1409 protein	RGD1311117	314401	1,07	up
6625535	7301198	1624759	similar to KIAA1409 protein	RGD1311117	314401	1,07	up
5837672	7301198	1624766	similar to KIAA1409 protein	RGD1311117	314401	1,06	down
6511044	7301198	1624802	similar to KIAA1409 protein	RGD1311117	314401	1,06	down
5942646	7301198	1624787	similar to KIAA1409 protein	RGD1311117	314401	1,06	down
6416922	7301198	1624805	similar to KIAA1409 protein	RGD1311117	314401	1,04	up
6312676	7301198	1624774	similar to KIAA1409 protein	RGD1311117	314401	1,04	down
6600221	7301198	1624811	similar to KIAA1409 protein	RGD1311117	314401	1,03	up
6688895	7301198	1624810	similar to KIAA1409 protein	RGD1311117	314401	1,03	down
6174644	7301198	1624775	similar to KIAA1409 protein	RGD1311117	314401	1,03	up
6213654	7301198	1624798	similar to KIAA1409 protein	RGD1311117	314401	1,03	up
6320101	7301198	1624750	similar to KIAA1409 protein	RGD1311117	314401	1,02	down
6567951	7301198	1624785	similar to KIAA1409 protein	RGD1311117	314401	1,01	down
6085668	7263805	1532203	similar to KIAA1549 protein	RGD1306271	312246	1,50	down
5870972	7263805	1532201	similar to KIAA1549 protein	RGD1306271	312246	1,34	up
5722397	7263805	1532221	similar to KIAA1549 protein	RGD1306271	312246	1,33	down
6137863	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,33	up
5781186	7263805	1532216	similar to KIAA1549 protein	RGD1306271	312246	1,31	down
6730524	7263805	1532214	similar to KIAA1549 protein	RGD1306271	312246	1,30	down
6121388	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,27	up
5646506	7263805	1532206	similar to KIAA1549 protein	RGD1306271	312246	1,25	down
6110544	7263805	1532220	similar to KIAA1549 protein	RGD1306271	312246	1,21	down
6086512	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,20	up
6163933	7263805	1532206	similar to KIAA1549 protein	RGD1306271	312246	1,19	down
6192655	7263805	1532202	similar to KIAA1549 protein	RGD1306271	312246	1,18	down
6215370	7263805	1532223	similar to KIAA1549 protein	RGD1306271	312246	1,17	down
5940295	7263805	1532203	similar to KIAA1549 protein	RGD1306271	312246	1,17	down
6558241	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,15	down
6564753	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,14	up
5624769	7263805	1532224	similar to KIAA1549 protein	RGD1306271	312246	1,13	down
5958177	7263805	1532207	similar to KIAA1549 protein	RGD1306271	312246	1,12	up
6405819	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,12	down
5869576	7263805	1532201	similar to KIAA1549 protein	RGD1306271	312246	1,10	up
6678671	7263805	1532209	similar to KIAA1549 protein	RGD1306271	312246	1,10	down
6619043	7263805	1532218	similar to KIAA1549 protein	RGD1306271	312246	1,08	up
6320647	7263805	1532225	similar to KIAA1549 protein	RGD1306271	312246	1,08	up
6016003	7263805	1532219	similar to KIAA1549 protein	RGD1306271	312246	1,07	down
6596901	7263805	1532217	similar to KIAA1549 protein	RGD1306271	312246	1,07	up
6101545	7263805	1532204	similar to KIAA1549 protein	RGD1306271	312246	1,06	down
5733514	7263805	1532212	similar to KIAA1549 protein	RGD1306271	312246	1,03	down
6291077	7263805	1532208	similar to KIAA1549 protein	RGD1306271	312246	1,01	down
6668836	7072765	1062711	similar to KIAA1636 protein	RGD1309285	303599	1,59	up
5942904	7072765	1062709	similar to KIAA1636 protein	RGD1309285	303599	1,38	up
6436345	7072765	1062719	similar to KIAA1636 protein	RGD1309285	303599	1,37	down
5698297	7072765	1062727	similar to KIAA1636 protein	RGD1309285	303599	1,31	up
5738970	7072765	1062720	similar to KIAA1636 protein	RGD1309285	303599	1,15	down
6258488	7072765	1062725	similar to KIAA1636 protein	RGD1309285	303599	1,15	up
5973384	7072765	1062727	similar to KIAA1636 protein	RGD1309285	303599	1,08	up
6526382	7072765	1062730	similar to KIAA1636 protein	RGD1309285	303599	1,07	up

5933239	7072765	1062728	similar to KIAA1636 protein	RGD1309285	303599	1,04	down
6144399	7072765	1062724	similar to KIAA1636 protein	RGD1309285	303599	1,01	up
5816922	7072765	1062707	similar to KIAA1636 protein /// hypothetical protein LOC688431	1309285 /// LOC68 303599 /// 688431		1,54	up
6046200	7072765	1062707	similar to KIAA1636 protein /// hypothetical protein LOC688431	1309285 /// LOC68 303599 /// 688431		1,32	up
6446598	7072765	1062707	similar to KIAA1636 protein /// hypothetical protein LOC688431	1309285 /// LOC68 303599 /// 688431		1,01	down
6593058	7168403	1295560	similar to KIAA1713 protein	RGD1305869	307555	3,01	up
5911600	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,66	down
6222449	7168403	1295554	similar to KIAA1713 protein	RGD1305869	307555	1,33	up
6123569	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,32	down
6118779	7168403	1295567	similar to KIAA1713 protein	RGD1305869	307555	1,31	up
5746414	7168403	1295582	similar to KIAA1713 protein	RGD1305869	307555	1,30	up
6603288	7168403	1295554	similar to KIAA1713 protein	RGD1305869	307555	1,27	down
6182644	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,24	up
6741651	7168403	1295564	similar to KIAA1713 protein	RGD1305869	307555	1,22	down
5685304	7168403	1295559	similar to KIAA1713 protein	RGD1305869	307555	1,19	down
6729968	7168403	1295579	similar to KIAA1713 protein	RGD1305869	307555	1,19	down
6691224	7168403	1295554	similar to KIAA1713 protein	RGD1305869	307555	1,18	down
5913621	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,13	up
5915494	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,10	up
6682056	7168403	1295581	similar to KIAA1713 protein	RGD1305869	307555	1,09	up
6070311	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,09	up
6706068	7168403	1295584	similar to KIAA1713 protein	RGD1305869	307555	1,08	up
6488502	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,06	up
6696455	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,06	up
6371622	7168403	1295579	similar to KIAA1713 protein	RGD1305869	307555	1,05	down
6081311	7168403	1295570	similar to KIAA1713 protein	RGD1305869	307555	1,04	down
5803374	7168403	1295548	similar to KIAA1713 protein	RGD1305869	307555	1,04	up
6743585	7168403	1295570	similar to KIAA1713 protein	RGD1305869	307555	1,03	down
5669583	7168403	1295566	similar to KIAA1713 protein	RGD1305869	307555	1,02	down
6210482	7168403	1295583	similar to KIAA1713 protein	RGD1305869	307555	1,00	up
6536078	7168403	1295545	similar to KIAA1713 protein	RGD1305869	307555	1,00	up
6112591	7342430	1726151	similar to KIAA1731 protein	RGD1311723	363018	3,21	up
6269793	7342430	1726149	similar to KIAA1731 protein	RGD1311723	363018	2,95	up
5798685	7342430	1726128	similar to KIAA1731 protein	RGD1311723	363018	2,03	down
5979007	7342430	1726145	similar to KIAA1731 protein	RGD1311723	363018	1,67	up
6600983	7342430	1726127	similar to KIAA1731 protein	RGD1311723	363018	1,59	down
5924016	7342430	1726140	similar to KIAA1731 protein	RGD1311723	363018	1,53	up
5769774	7342430	1726147	similar to KIAA1731 protein	RGD1311723	363018	1,42	up
6326887	7342430	1726148	similar to KIAA1731 protein	RGD1311723	363018	1,32	up
5909220	7342430	1726129	similar to KIAA1731 protein	RGD1311723	363018	1,30	down
5842991	7342430	1726127	similar to KIAA1731 protein	RGD1311723	363018	1,28	up
5658983	7342430	1726133	similar to KIAA1731 protein	RGD1311723	363018	1,25	up
5710089	7342430	1726132	similar to KIAA1731 protein	RGD1311723	363018	1,21	up
5750159	7342430	1726146	similar to KIAA1731 protein	RGD1311723	363018	1,20	down
6691252	7342430	1726127	similar to KIAA1731 protein	RGD1311723	363018	1,19	down
6029739	7342430	1726130	similar to KIAA1731 protein	RGD1311723	363018	1,18	up
5828708	7342430	1726127	similar to KIAA1731 protein	RGD1311723	363018	1,16	down
6115246	7342430	1726141	similar to KIAA1731 protein	RGD1311723	363018	1,14	up
6545146	7342430	1726135	similar to KIAA1731 protein	RGD1311723	363018	1,12	down
6737913	7342430	1726127	similar to KIAA1731 protein	RGD1311723	363018	1,12	down
5633004	7342430	1726142	similar to KIAA1731 protein	RGD1311723	363018	1,11	down
6026475	7342430	1726141	similar to KIAA1731 protein	RGD1311723	363018	1,09	down
6534210	7342430	1726149	similar to KIAA1731 protein	RGD1311723	363018	1,06	up
6093181	7342430	1726131	similar to KIAA1731 protein	RGD1311723	363018	1,06	up
6537432	7342430	1726137	similar to KIAA1731 protein	RGD1311723	363018	1,03	down
5872774	7342430	1726136	similar to KIAA1731 protein	RGD1311723	363018	1,03	up
5620420	7342430	1726143	similar to KIAA1731 protein	RGD1311723	363018	1,02	down

6239846	7342430	1726139	similar to KIAA1731 protein	RGD1311723	363018	1,02	up
6258236	7342430	1726134	similar to KIAA1731 protein	RGD1311723	363018	1,02	up
5843763	7342430	1726145	similar to KIAA1731 protein	RGD1311723	363018	1,01	down
5790047	7128921	1198538	similar to KIAA1841 protein	RGD1305110	305579	2,35	down
6281106	7128921	1198532	similar to KIAA1841 protein	RGD1305110	305579	1,78	down
6644346	7128921	1198516	similar to KIAA1841 protein	RGD1305110	305579	1,62	down
6103084	7128921	1198519	similar to KIAA1841 protein	RGD1305110	305579	1,54	up
5848503	7128921	1198530	similar to KIAA1841 protein	RGD1305110	305579	1,53	down
5975238	7128921	1198513	similar to KIAA1841 protein	RGD1305110	305579	1,53	up
6671879	7128921	1198529	similar to KIAA1841 protein	RGD1305110	305579	1,34	down
6554074	7128921	1198525	similar to KIAA1841 protein	RGD1305110	305579	1,29	down
6302692	7128921	1198531	similar to KIAA1841 protein	RGD1305110	305579	1,27	up
6448256	7128921	1198532	similar to KIAA1841 protein	RGD1305110	305579	1,26	down
6441436	7128921	1198512	similar to KIAA1841 protein	RGD1305110	305579	1,25	up
6610765	7128921	1198523	similar to KIAA1841 protein	RGD1305110	305579	1,19	up
5962810	7128921	1198529	similar to KIAA1841 protein	RGD1305110	305579	1,19	down
6305608	7128921	1198520	similar to KIAA1841 protein	RGD1305110	305579	1,19	down
6369735	7128921	1198533	similar to KIAA1841 protein	RGD1305110	305579	1,19	down
5840085	7128921	1198517	similar to KIAA1841 protein	RGD1305110	305579	1,18	up
6317981	7128921	1198527	similar to KIAA1841 protein	RGD1305110	305579	1,13	down
5675181	7128921	1198521	similar to KIAA1841 protein	RGD1305110	305579	1,10	up
6677019	7128921	1198515	similar to KIAA1841 protein	RGD1305110	305579	1,07	down
6118929	7128921	1198526	similar to KIAA1841 protein	RGD1305110	305579	1,06	up
6686602	7128921	1198528	similar to KIAA1841 protein	RGD1305110	305579	1,05	down
6403272	7128921	1198527	similar to KIAA1841 protein	RGD1305110	305579	1,03	down
5642553	7128921	1198511	similar to KIAA1841 protein	RGD1305110	305579	1,03	up
6689463	7128921	1198518	similar to KIAA1841 protein	RGD1305110	305579	1,02	up
6745211	7318286	1668335	similar to KIAA1875 protein	RGD1562063	500896	1,75	down
5617910	7318286	1668333	similar to KIAA1875 protein	RGD1562063	500896	1,74	up
6034305	7318286	1668329	similar to KIAA1875 protein	RGD1562063	500896	1,65	down
6371663	7318286	1668325	similar to KIAA1875 protein	RGD1562063	500896	1,53	down
6719930	7318286	1668328	similar to KIAA1875 protein	RGD1562063	500896	1,50	up
5725111	7318286	1668329	similar to KIAA1875 protein	RGD1562063	500896	1,47	up
6496084	7318286	1668335	similar to KIAA1875 protein	RGD1562063	500896	1,45	up
6149528	7318286	1668332	similar to KIAA1875 protein	RGD1562063	500896	1,40	down
6143146	7318286	1668325	similar to KIAA1875 protein	RGD1562063	500896	1,35	down
5645834	7318286	1668329	similar to KIAA1875 protein	RGD1562063	500896	1,31	down
5926312	7318286	1668330	similar to KIAA1875 protein	RGD1562063	500896	1,29	down
6384088	7318286	1668328	similar to KIAA1875 protein	RGD1562063	500896	1,26	up
5761427	7318286	1668331	similar to KIAA1875 protein	RGD1562063	500896	1,26	up
5684292	7318286	1668324	similar to KIAA1875 protein	RGD1562063	500896	1,23	up
5736948	7318286	1668328	similar to KIAA1875 protein	RGD1562063	500896	1,22	down
6283634	7318286	1668325	similar to KIAA1875 protein	RGD1562063	500896	1,22	up
6672463	7318286	1668323	similar to KIAA1875 protein	RGD1562063	500896	1,21	down
6128028	7318286	1668325	similar to KIAA1875 protein	RGD1562063	500896	1,17	down
6048834	7318286	1668327	similar to KIAA1875 protein	RGD1562063	500896	1,15	up
5944290	7318286	1668324	similar to KIAA1875 protein	RGD1562063	500896	1,15	down
5951776	7318286	1668327	similar to KIAA1875 protein	RGD1562063	500896	1,13	down
6728112	7318286	1668323	similar to KIAA1875 protein	RGD1562063	500896	1,13	up
6585354	7318286	1668327	similar to KIAA1875 protein	RGD1562063	500896	1,12	up
6339852	7318286	1668325	similar to KIAA1875 protein	RGD1562063	500896	1,12	up
5755131	7318286	1668329	similar to KIAA1875 protein	RGD1562063	500896	1,08	down
6529985	7318286	1668328	similar to KIAA1875 protein	RGD1562063	500896	1,07	down
6520744	7318286	1668327	similar to KIAA1875 protein	RGD1562063	500896	1,06	up
6472021	7318286	1668327	similar to KIAA1875 protein	RGD1562063	500896	1,05	down
6375471	7318286	1668333	similar to KIAA1875 protein	RGD1562063	500896	1,05	up
6025982	7318286	1668335	similar to KIAA1875 protein	RGD1562063	500896	1,04	down

6614079	7318286	1668325	similar to KIAA1875 protein	RGD1562063	500896	1,03	down
5753530	7318286	1668334	similar to KIAA1875 protein	RGD1562063	500896	1,03	up
5634319	7318286	1668326	similar to KIAA1875 protein	RGD1562063	500896	1,02	up
5917888	7102723	1134392	similar to kinase suppressor of ras 2	RGD1562674	288691	2,15	up
5912100	7102723	1134399	similar to kinase suppressor of ras 2	RGD1562674	288691	1,65	up
6145970	7102723	1134394	similar to kinase suppressor of ras 2	RGD1562674	288691	1,44	down
5959660	7102723	1134373	similar to kinase suppressor of ras 2	RGD1562674	288691	1,35	down
6721739	7102723	1134375	similar to kinase suppressor of ras 2	RGD1562674	288691	1,24	down
5673641	7102723	1134419	similar to kinase suppressor of ras 2	RGD1562674	288691	1,17	down
6481201	7102723	1134409	similar to kinase suppressor of ras 2	RGD1562674	288691	1,17	down
6166237	7102723	1134390	similar to kinase suppressor of ras 2	RGD1562674	288691	1,15	up
6056287	7102723	1134374	similar to kinase suppressor of ras 2	RGD1562674	288691	1,14	up
5832922	7102723	1134401	similar to kinase suppressor of ras 2	RGD1562674	288691	1,12	down
6032988	7102723	1134399	similar to kinase suppressor of ras 2	RGD1562674	288691	1,10	down
5882872	7102723	1134376	similar to kinase suppressor of ras 2	RGD1562674	288691	1,09	down
6621016	7102723	1134377	similar to kinase suppressor of ras 2	RGD1562674	288691	1,07	up
6382154	7102723	1134393	similar to kinase suppressor of ras 2	RGD1562674	288691	1,05	up
5716173	7102723	1134405	similar to kinase suppressor of ras 2	RGD1562674	288691	1,05	up
5831383	7102723	1134400	similar to kinase suppressor of ras 2	RGD1562674	288691	1,03	up
6018324	7102723	1134437	similar to kinase suppressor of ras 2	RGD1562674	288691	1,02	down
6090390	7102723	1134427	similar to kinase suppressor of ras 2	RGD1562674	288691	1,00	down
5729999	7237438	1466789	similar to LOC495800 protein	LOC499770	499770	2,09	up
6132704	7237438	1466791	similar to LOC495800 protein	LOC499770	499770	1,26	up
6319746	7237438	1466784	similar to LOC495800 protein	LOC499770	499770	1,19	down
5984667	7237438	1466788	similar to LOC495800 protein	LOC499770	499770	1,15	up
6431041	7237438	1466785	similar to LOC495800 protein	LOC499770	499770	1,10	up
6544941	7237438	1466783	similar to LOC495800 protein	LOC499770	499770	1,09	up
6290474	7237438	1466790	similar to LOC495800 protein	LOC499770	499770	1,08	up
6360181	7237438	1466782	similar to LOC495800 protein	LOC499770	499770	1,03	up
6509469	7237438	1466780	similar to LOC495800 protein	LOC499770	499770	1,02	up
6386798	7185483	1338937	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,75	down
6269033	7185483	1338939	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,71	down
6108659	7185483	1338924	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,45	up
5901222	7185483	1338938	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,21	down
6020370	7185483	1338940	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,18	down
6555014	7185483	1338935	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,14	up
6197251	7185483	1338932	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,13	up
5870715	7185483	1338939	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,08	up
6574753	7185483	1338934	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,08	up
6166139	7185483	1338936	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,07	up
5983680	7185483	1338941	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,06	up
6448354	7185483	1338933	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,06	up
6169510	7185483	1338931	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,03	up
6467796	7185483	1338930	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,02	up
6480337	7185483	1338925	similar to mannose receptor precursor-like isoform 4	RGD1559899	307851	1,01	up
6615881	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,85	down
5748095	7069253	1054173	similar to Map4k6-pending protein	LOC303259	303259	1,13	down
5956706	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,12	up
6361373	7069253	1054175	similar to Map4k6-pending protein	LOC303259	303259	1,12	up
5771042	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,10	down
6235422	7069253	1054175	similar to Map4k6-pending protein	LOC303259	303259	1,08	up
6170908	7069253	1054174	similar to Map4k6-pending protein	LOC303259	303259	1,06	down
6533174	7069253	1054176	similar to Map4k6-pending protein	LOC303259	303259	1,06	up
6201792	7069253	1054172	similar to Map4k6-pending protein	LOC303259	303259	1,06	down
6665217	7069253	1054175	similar to Map4k6-pending protein	LOC303259	303259	1,04	down
6098549	7069253	1054172	similar to Map4k6-pending protein	LOC303259	303259	1,00	down
6574888	7185355	1338690	similar to MARVEL (membrane-associating) domain containing 3 isoform a	RGD1562056	498950	2,16	up

6465263	7185355	1338691	similar to MARVEL (membrane-associating) domain containing 3 isoform a	RGD1562056	498950	1,95	up
6190657	7185355	1338691	similar to MARVEL (membrane-associating) domain containing 3 isoform a	RGD1562056	498950	1,38	down
6226759	7185355	1338698	similar to MARVEL (membrane-associating) domain containing 3 isoform a	RGD1562056	498950	1,18	down
6696246	7185355	1338696	similar to MARVEL (membrane-associating) domain containing 3 isoform a	RGD1562056	498950	1,17	down
6571981	7194400	1361727	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,26	down
6225437	7194400	1361720	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,17	down
5755871	7194400	1361716	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,11	up
6031624	7194400	1361721	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,10	down
6033367	7194400	1361717	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,07	up
5911820	7194400	1361718	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,06	up
6022830	7194400	1361726	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,04	down
6593076	7194400	1361726	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,03	up
6197761	7194400	1361728	similar to mediator of RNA polymerase II transcription, subunit 12 homolog (S. cerevisiae)-like	LOC690752	690752	1,03	down
6267442	7069810	1055548	similar to membrane protein expressed in epithelial-like lung adenocarcinoma	RGD1307493	303317	2,68	up
6576337	7069810	1055550	similar to membrane protein expressed in epithelial-like lung adenocarcinoma	RGD1307493	303317	1,32	down
6374427	7069810	1055554	similar to membrane protein expressed in epithelial-like lung adenocarcinoma	RGD1307493	303317	1,32	up
6591557	7069810	1055553	similar to membrane protein expressed in epithelial-like lung adenocarcinoma	RGD1307493	303317	1,28	down
6360974	7069810	1055555	similar to membrane protein expressed in epithelial-like lung adenocarcinoma	RGD1307493	303317	1,11	up
6684928	7069810	1055555	similar to membrane protein expressed in epithelial-like lung adenocarcinoma	RGD1307493	303317	1,05	up
5865088	7368954	1792787	similar to MIC2 like 1	LOC680643	680643	2,08	down
6409975	7368804	1792264	similar to MIC2 like 1	LOC681166	681166	1,08	down
6378525	7368804	1792262	similar to MIC2 like 1 /// similar to MIC2 like 1	363413 /// LOC681363413 /// 681166		1,46	down
5711236	7368804	1792257	similar to MIC2 like 1 /// similar to MIC2 like 1	681166 /// LOC36: 681166 /// 363413		1,37	down
5882913	7368804	1792263	similar to MIC2 like 1 /// similar to nidogen 2 /// similar to nidogen 2	LOC316873 /// 66 /// 316873 /// 36		1,00	up
6460737	7182133	1330839	similar to Mixed lineage kinase 4	RGD1306091	307950	2,27	down
5781080	7182133	1330839	similar to Mixed lineage kinase 4	RGD1306091	307950	1,38	up
6104597	7182133	1330834	similar to Mixed lineage kinase 4	RGD1306091	307950	1,26	up
6238354	7182133	1330838	similar to Mixed lineage kinase 4	RGD1306091	307950	1,19	down
5680274	7182133	1330829	similar to Mixed lineage kinase 4	RGD1306091	307950	1,18	up
6735478	7182133	1330842	similar to Mixed lineage kinase 4	RGD1306091	307950	1,17	up
6177708	7182133	1330841	similar to Mixed lineage kinase 4	RGD1306091	307950	1,17	up
5879270	7182133	1330840	similar to Mixed lineage kinase 4	RGD1306091	307950	1,11	up
6438319	7182133	1330832	similar to Mixed lineage kinase 4	RGD1306091	307950	1,10	down
6251618	7182133	1330830	similar to Mixed lineage kinase 4	RGD1306091	307950	1,09	down
5722358	7182133	1330836	similar to Mixed lineage kinase 4	RGD1306091	307950	1,09	up
5873708	7182133	1330841	similar to Mixed lineage kinase 4	RGD1306091	307950	1,07	down
6194801	7182133	1330835	similar to Mixed lineage kinase 4	RGD1306091	307950	1,06	down
5765095	7244290	1484169	similar to mKIAA0256 protein	RGD1559930	296115	1,27	down
6242074	7244290	1484145	similar to mKIAA0256 protein	RGD1559930	296115	1,10	up
6558283	7132024	1206336	similar to mKIAA0323 protein	RGD1565688	498517	1,51	down
6114435	7069603	1055032	similar to mKIAA0664 protein	RGD1307222	303300	1,27	up
5701042	7069603	1055031	similar to mKIAA0664 protein	RGD1307222	303300	1,17	down
6147711	7069603	1055037	similar to mKIAA0664 protein	RGD1307222	303300	1,14	down
6461738	7069603	1055059	similar to mKIAA0664 protein	RGD1307222	303300	1,10	up
5993926	7374317	1807417	similar to mKIAA1111 protein	RGD1561065	317425	2,10	down
6231158	7374317	1807405	similar to mKIAA1111 protein	RGD1561065	317425	1,70	down
6161850	7374317	1807400	similar to mKIAA1111 protein	RGD1561065	317425	1,56	down
6022572	7374317	1807404	similar to mKIAA1111 protein	RGD1561065	317425	1,55	down
6385763	7374317	1807410	similar to mKIAA1111 protein	RGD1561065	317425	1,47	down
5786800	7374317	1807412	similar to mKIAA1111 protein	RGD1561065	317425	1,33	up
5631711	7374317	1807402	similar to mKIAA1111 protein	RGD1561065	317425	1,33	down
6005806	7374317	1807414	similar to mKIAA1111 protein	RGD1561065	317425	1,20	up
6422758	7374317	1807413	similar to mKIAA1111 protein	RGD1561065	317425	1,15	down
6286607	7374317	1807405	similar to mKIAA1111 protein	RGD1561065	317425	1,15	down
6075348	7374317	1807401	similar to mKIAA1111 protein	RGD1561065	317425	1,14	up
5923354	7374317	1807411	similar to mKIAA1111 protein	RGD1561065	317425	1,11	up
6556245	7374317	1807397	similar to mKIAA1111 protein	RGD1561065	317425	1,11	up

6186974	7374317	1807415	similar to mKIAA1111 protein	RGD1561065	317425	1,10	down
6073305	7374317	1807416	similar to mKIAA1111 protein	RGD1561065	317425	1,10	up
6697776	7374317	1807403	similar to mKIAA1111 protein	RGD1561065	317425	1,09	up
6360954	7374317	1807407	similar to mKIAA1111 protein	RGD1561065	317425	1,08	down
6355617	7374317	1807408	similar to mKIAA1111 protein	RGD1561065	317425	1,06	up
6633195	7374317	1807417	similar to mKIAA1111 protein	RGD1561065	317425	1,06	up
6373269	7374317	1807409	similar to mKIAA1111 protein	RGD1561065	317425	1,03	down
6259625	7374317	1807396	similar to mKIAA1111 protein	RGD1561065	317425	1,02	down
6002919	7374317	1807398	similar to mKIAA1111 protein	RGD1561065	317425	1,02	down
5751764	7374317	1807399	similar to mKIAA1111 protein	RGD1561065	317425	1,02	up
5796284	7209927	1398950	similar to mKIAA1450 protein	RGD1562174	310538	3,31	down
6312026	7209927	1398916	similar to mKIAA1450 protein	RGD1562174	310538	1,47	down
5837634	7209927	1398916	similar to mKIAA1450 protein	RGD1562174	310538	1,41	down
6640774	7209927	1398916	similar to mKIAA1450 protein	RGD1562174	310538	1,26	down
6066258	7209927	1398944	similar to mKIAA1450 protein	RGD1562174	310538	1,24	up
6531501	7266725	1538780	similar to mKIAA1940 protein	RGD1566130	312504	2,06	down
5741907	7266725	1538792	similar to mKIAA1940 protein	RGD1566130	312504	1,55	up
6105729	7266725	1538786	similar to mKIAA1940 protein	RGD1566130	312504	1,53	up
6161446	7266725	1538779	similar to mKIAA1940 protein	RGD1566130	312504	1,32	down
6348720	7266725	1538790	similar to mKIAA1940 protein	RGD1566130	312504	1,30	up
5910723	7266725	1538791	similar to mKIAA1940 protein	RGD1566130	312504	1,23	up
5680727	7266725	1538789	similar to mKIAA1940 protein	RGD1566130	312504	1,22	down
5937077	7266725	1538788	similar to mKIAA1940 protein	RGD1566130	312504	1,15	down
5816729	7266725	1538786	similar to mKIAA1940 protein	RGD1566130	312504	1,13	up
6670491	7266725	1538787	similar to mKIAA1940 protein	RGD1566130	312504	1,13	up
5748202	7266725	1538783	similar to mKIAA1940 protein	RGD1566130	312504	1,12	up
6194260	7266725	1538780	similar to mKIAA1940 protein	RGD1566130	312504	1,11	down
6388548	7266725	1538790	similar to mKIAA1940 protein	RGD1566130	312504	1,08	up
5859983	7266725	1538788	similar to mKIAA1940 protein	RGD1566130	312504	1,07	down
5986626	7266725	1538781	similar to mKIAA1940 protein	RGD1566130	312504	1,04	down
5880199	7266725	1538782	similar to mKIAA1940 protein	RGD1566130	312504	1,01	down
6187559	7337714	1714054	similar to modulator of estrogen induced transcription	RGD1307526	315792	2,05	down
6075699	7337714	1714054	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,91	down
6386496	7337714	1714054	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,52	up
6263276	7337714	1714052	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,44	down
6145470	7337714	1714054	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,25	up
5674197	7337714	1714050	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,04	up
5648976	7337714	1714051	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,04	down
5730689	7337714	1714053	similar to modulator of estrogen induced transcription	RGD1307526	315792	1,01	down
6277288	7191888	1354948	similar to Myelin P2 protein	RGD1565000	499570	1,54	up
6089052	7191888	1354947	similar to Myelin P2 protein	RGD1565000	499570	1,38	down
5627047	7191888	1354939	similar to Myelin P2 protein	RGD1565000	499570	1,33	down
6189900	7191888	1354946	similar to Myelin P2 protein	RGD1565000	499570	1,09	down
5971989	7228530	1443837	similar to myosin IIIB	RGD1560313	366069	2,32	down
6235720	7228530	1443852	similar to myosin IIIB	RGD1560313	366069	2,26	down
6153238	7228530	1443827	similar to myosin IIIB	RGD1560313	366069	1,90	down
5654656	7228530	1443843	similar to myosin IIIB	RGD1560313	366069	1,82	down
5935940	7228530	1443831	similar to myosin IIIB	RGD1560313	366069	1,60	down
6319405	7228530	1443883	similar to myosin IIIB	RGD1560313	366069	1,60	down
6443882	7228530	1443790	similar to myosin IIIB	RGD1560313	366069	1,51	up
6257953	7228530	1443845	similar to myosin IIIB	RGD1560313	366069	1,51	down
6167395	7228530	1443836	similar to myosin IIIB	RGD1560313	366069	1,47	down
5666998	7228530	1443862	similar to myosin IIIB	RGD1560313	366069	1,42	down
6494680	7228530	1443850	similar to myosin IIIB	RGD1560313	366069	1,41	down
5915824	7228530	1443838	similar to myosin IIIB	RGD1560313	366069	1,35	down
6419051	7228530	1443859	similar to myosin IIIB	RGD1560313	366069	1,35	up
5856900	7228530	1443842	similar to myosin IIIB	RGD1560313	366069	1,31	up

5784543	7228530	1443861	similar to myosin IIIB	RGD1560313	366069	1,26	up
5627032	7228530	1443849	similar to myosin IIIB	RGD1560313	366069	1,26	up
6389021	7228530	1443881	similar to myosin IIIB	RGD1560313	366069	1,23	down
5750818	7228530	1443840	similar to myosin IIIB	RGD1560313	366069	1,21	down
6440850	7228530	1443809	similar to myosin IIIB	RGD1560313	366069	1,17	up
5964261	7228530	1443839	similar to myosin IIIB	RGD1560313	366069	1,16	up
6640168	7228530	1443790	similar to myosin IIIB	RGD1560313	366069	1,15	up
6498536	7228530	1443795	similar to myosin IIIB	RGD1560313	366069	1,14	up
6242648	7228530	1443794	similar to myosin IIIB	RGD1560313	366069	1,13	up
6360824	7228530	1443791	similar to myosin IIIB	RGD1560313	366069	1,12	up
6359066	7228530	1443868	similar to myosin IIIB	RGD1560313	366069	1,07	up
6487742	7228530	1443867	similar to myosin IIIB	RGD1560313	366069	1,07	down
6586789	7228530	1443847	similar to myosin IIIB	RGD1560313	366069	1,07	down
6063262	7228530	1443851	similar to myosin IIIB	RGD1560313	366069	1,06	up
6417175	7228530	1443870	similar to myosin IIIB	RGD1560313	366069	1,04	down
6142890	7228530	1443798	similar to myosin IIIB	RGD1560313	366069	1,03	up
6362719	7366728	1785427	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	RGD1309537	501203	2,44	up
6524232	7366728	1785430	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	RGD1309537	501203	1,45	up
5622909	7366728	1785431	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	RGD1309537	501203	1,36	up
6478918	7366728	1785428	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	RGD1309537	501203	1,07	up
6153363	7366728	1785429	similar to Myosin regulatory light chain 2-A, smooth muscle isoform (Myosin RLC-A)	RGD1309537	501203	1,06	down
6652890	7069830	1055586	similar to myosin XVIIIa	LOC360570	360570	3,05	down
6037797	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,45	up
5933822	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,18	down
6015243	7069830	1055652	similar to myosin XVIIIa	LOC360570	360570	1,13	up
6523137	7069830	1055653	similar to myosin XVIIIa	LOC360570	360570	1,11	down
5792043	7069830	1055595	similar to myosin XVIIIa	LOC360570	360570	1,05	down
6544610	7069830	1055651	similar to myosin XVIIIa	LOC360570	360570	1,03	up
6430178	7069830	1055650	similar to myosin XVIIIa	LOC360570	360570	1,03	down
6384988	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,03	down
5918849	7069830	1055663	similar to myosin XVIIIa	LOC360570	360570	1,02	down
6732161	7069830	1055660	similar to myosin XVIIIa	LOC360570	360570	1,00	up
6404421	7073677	1065138	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,77	up
6145271	7073677	1065124	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,72	up
5863850	7073677	1065133	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,64	up
6728035	7073677	1065130	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,56	up
5963793	7073677	1065143	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,54	up
5620131	7073677	1065136	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,10	up
6195125	7073677	1065124	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,08	up
5990210	7073677	1065127	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,03	up
5796265	7073677	1065124	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	2,00	up
6244520	7073677	1065131	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,99	up
5948388	7073677	1065132	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,91	up
5958010	7073677	1065140	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,89	up
5877276	7073677	1065128	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,89	up
6035373	7073677	1065182	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,88	up
6176786	7073677	1065139	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,86	up
6592524	7073677	1065129	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,77	up
5823214	7073677	1065126	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,73	up
5866706	7073677	1065141	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,71	up
6190372	7073677	1065146	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,70	down
5755087	7073677	1065148	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,63	down
5835301	7073677	1065137	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,62	up
6553305	7073677	1065123	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,60	up
6086714	7073677	1065179	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,59	down
5796663	7073677	1065142	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,54	up
6291604	7073677	1065171	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,52	down

5644844	7073677	1065135	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,48	up
5775884	7073677	1065178	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,43	down
5857206	7073677	1065176	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,43	down
5693235	7073677	1065147	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,41	down
6165124	7073677	1065184	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,40	down
6183808	7073677	1065174	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,36	down
5900040	7073677	1065124	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,36	up
6424323	7073677	1065185	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,35	down
6338212	7073677	1065173	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,34	down
6510444	7073677	1065145	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,25	down
5628872	7073677	1065126	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,22	up
6286705	7073677	1065177	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,20	down
6573606	7073677	1065134	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC688264	688264	1,18	up
6525494	7073677	1065180	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,17	down
6236240	7073677	1065183	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,17	up
5746003	7073677	1065172	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,15	up
6639678	7073677	1065175	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,08	down
6357132	7073677	1065181	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,08	down
6447223	7073677	1065185	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,05	down
5860726	7073677	1065182	similar to Myosin-15 (Myosin XV) (Unconventional myosin-15)	LOC690323	690323	1,02	up
5881975	7223633	1431500	similar to Myristoylated alanine-rich C-kinase substrate (MARCKS) (ACAMP-81)	LOC294446	294446	1,73	down
6038688	7223633	1431500	similar to Myristoylated alanine-rich C-kinase substrate (MARCKS) (ACAMP-81)	LOC294446	294446	1,37	down
6046471	7223633	1431502	similar to Myristoylated alanine-rich C-kinase substrate (MARCKS) (ACAMP-81)	LOC294446	294446	1,17	down
5787162	7208784	1396074	similar to neurobeachin	RGD1562629	361948	2,02	up
6089696	7208784	1396162	similar to neurobeachin	RGD1562629	361948	1,58	down
6591079	7208784	1396064	similar to neurobeachin	RGD1562629	361948	1,55	up
5999543	7208784	1396170	similar to neurobeachin	RGD1562629	361948	1,33	up
6338636	7208784	1396166	similar to neurobeachin	RGD1562629	361948	1,32	up
6193369	7208784	1396169	similar to neurobeachin	RGD1562629	361948	1,31	up
6312808	7208784	1396186	similar to neurobeachin	RGD1562629	361948	1,31	up
6061353	7208784	1396165	similar to neurobeachin	RGD1562629	361948	1,31	down
5909054	7208784	1396172	similar to neurobeachin	RGD1562629	361948	1,26	up
5959320	7208784	1396072	similar to neurobeachin	RGD1562629	361948	1,24	up
5705814	7208784	1396162	similar to neurobeachin	RGD1562629	361948	1,22	down
6202992	7208784	1396173	similar to neurobeachin	RGD1562629	361948	1,21	down
6337705	7208784	1396185	similar to neurobeachin	RGD1562629	361948	1,19	up
6006390	7208784	1396063	similar to neurobeachin	RGD1562629	361948	1,19	up
6264994	7208784	1396063	similar to neurobeachin	RGD1562629	361948	1,19	up
6670794	7208784	1396187	similar to neurobeachin	RGD1562629	361948	1,17	up
6058164	7208784	1396066	similar to neurobeachin	RGD1562629	361948	1,16	up
5767444	7208784	1396184	similar to neurobeachin	RGD1562629	361948	1,15	up
6306086	7208784	1396167	similar to neurobeachin	RGD1562629	361948	1,15	down
6174027	7208784	1396073	similar to neurobeachin	RGD1562629	361948	1,14	down
5988030	7208784	1396162	similar to neurobeachin	RGD1562629	361948	1,13	down
6291811	7208784	1396182	similar to neurobeachin	RGD1562629	361948	1,13	down
5732028	7208784	1396163	similar to neurobeachin	RGD1562629	361948	1,12	down
6331039	7208784	1396075	similar to neurobeachin	RGD1562629	361948	1,12	up
5972201	7208784	1396067	similar to neurobeachin	RGD1562629	361948	1,10	down
6343568	7208784	1396171	similar to neurobeachin	RGD1562629	361948	1,10	down
6295545	7208784	1396164	similar to neurobeachin	RGD1562629	361948	1,09	up
5861368	7208784	1396181	similar to neurobeachin	RGD1562629	361948	1,08	up
5737460	7208784	1396080	similar to neurobeachin	RGD1562629	361948	1,06	up
6097824	7208784	1396177	similar to neurobeachin	RGD1562629	361948	1,06	up
6456999	7208784	1396076	similar to neurobeachin	RGD1562629	361948	1,05	up
6439427	7208784	1396178	similar to neurobeachin	RGD1562629	361948	1,05	up
5783169	7208784	1396192	similar to neurobeachin	RGD1562629	361948	1,05	down
6281385	7208784	1396065	similar to neurobeachin	RGD1562629	361948	1,05	up

6339048	7208784	1396183	similar to neurobeachin	RGD1562629	361948	1,04	down
6284555	7208784	1396168	similar to neurobeachin	RGD1562629	361948	1,04	down
6386728	7208784	1396173	similar to neurobeachin	RGD1562629	361948	1,02	down
6161789	7208784	1396082	similar to neurobeachin	RGD1562629	361948	1,02	up
5697771	7208784	1396063	similar to neurobeachin	RGD1562629	361948	1,01	down
6020644	7040238	985988	similar to Nicotinamide riboside kinase 1	LOC499330	499330	2,01	down
6017130	7040238	985992	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,50	up
5846468	7040238	985990	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,39	down
6071510	7040238	985993	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,34	up
5784473	7040238	985995	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,11	down
6586298	7040238	985994	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,07	down
6089416	7040238	985989	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,06	down
5672191	7040238	985991	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,04	up
5623886	7040238	985995	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,02	down
6327948	7040238	985988	similar to Nicotinamide riboside kinase 1	LOC499330	499330	1,00	up
6067129	7368804	1792251	similar to nidogen 2	LOC503361	503361	4,45	up
6410320	7369166	1793380	similar to nidogen 2	LOC305771	305771	1,70	down
5869275	7368804	1792226	similar to nidogen 2	LOC365085	365085	1,07	up
6672687	7369141	1793315	similar to nidogen 2	LOC305771	305771	1,04	up
6253006	7368804	1792251	similar to nidogen 2 /// similar to nidogen 2	680933 /// LOC50: 680933 /// 503361		3,24	up
5793264	7369141	1793315	similar to nidogen 2 /// similar to nidogen 2	501230 /// LOC30: 501230 /// 305771		1,60	up
6234938	7369141	1793316	similar to nidogen 2 /// similar to nidogen 2	501230 /// LOC30: 501230 /// 305771		1,56	up
5926408	7368804	1792251	similar to nidogen 2 /// similar to nidogen 2	680933 /// LOC50: 680933 /// 503361		1,10	down
6545566	7368804	1792226	similar to nidogen 2 /// similar to nidogen 2 /// similar to nidogen 2 protein /// similar to nidogen 2	316873 /// RGD156 316873 /// 498627		1,65	up
6069623	7369166	1793379	similar to nidogen 2 /// similar to nidogen 2 protein /// similar to nidogen 2 /// similar to nidogen 2 /// 5 /// LOC503391 /// 27 /// 503391 /// 30			1,42	up
6241816	7369129	1793271	similar to nidogen 2 protein	LOC367622	367622	4,41	up
6312202	7368986	1792861	similar to nidogen 2 protein	LOC302022	302022	2,15	up
6267603	7368986	1792861	similar to nidogen 2 protein	LOC302022	302022	1,81	up
5688653	7369129	1793271	similar to nidogen 2 protein	LOC367622	367622	1,57	down
6351415	7368986	1792857	similar to nidogen 2 protein	LOC302022	302022	1,32	up
6298090	7368986	1792855	similar to nidogen 2 protein	LOC302022	302022	1,04	up
6204535	7147213	1243819	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	2,13	up
6029642	7147213	1243824	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,35	up
6408006	7147213	1243828	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,25	up
5680212	7147213	1243823	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,22	down
6695778	7147213	1243817	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,20	down
6641626	7147213	1243821	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,18	down
6562007	7147213	1243822	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,16	down
6127729	7147213	1243835	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,14	up
6482636	7147213	1243832	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,12	down
5977397	7147213	1243837	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,10	down
5878992	7147213	1243831	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,08	up
6700245	7147213	1243818	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,06	up
5704964	7147213	1243825	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,05	up
5906706	7147213	1243833	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,05	up
5837924	7147213	1243827	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,05	down
6059903	7147213	1243823	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,04	down
6493786	7147213	1243836	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,04	up
5951949	7147213	1243835	similar to NIMA (never in mitosis gene a)-related expressed kinase 5	LOC686318	686318	1,01	up
6500159	7355804	1759432	similar to Nol5a_predicted protein	RGD1563521	501161	1,62	down
6233428	7301905	1626767	similar to novel protein	RGD1560608	500724	2,04	down
6613816	7301905	1626772	similar to novel protein	RGD1560608	500724	1,52	up
5851351	7127540	1195302	similar to novel protein	RGD1560636	305467	1,37	down
6092898	7301905	1626770	similar to novel protein	RGD1560608	500724	1,33	up
6130584	7301905	1626772	similar to novel protein	RGD1560608	500724	1,19	down
6624844	7301905	1626771	similar to novel protein	RGD1560608	500724	1,05	down
5870209	7128112	1196550	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,38	up

5818190	7128112	1196562	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,34	up
5629811	7128112	1196559	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,26	up
5935539	7128112	1196578	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,25	up
6072580	7128112	1196548	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,18	down
6077620	7128112	1196522	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,18	down
5720148	7128112	1196566	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,18	down
5745925	7128112	1196570	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,18	up
6441707	7128112	1196563	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,17	up
6627032	7128112	1196558	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,17	up
6448289	7128112	1196561	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,11	down
6719299	7128112	1196568	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,03	down
6453878	7128112	1196560	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,02	down
5663408	7128112	1196549	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,02	up
6662700	7128112	1196568	similar to novel protein similar to Tensin Tns	RGD1564174	360980	1,02	down
6662705	7336931	1711844	similar to Nuclear membrane binding protein NUCLING	RGD1560011	315732	1,49	up
6614091	7336931	1711844	similar to Nuclear membrane binding protein NUCLING	RGD1560011	315732	1,11	up
6139778	7336931	1711897	similar to Nuclear membrane binding protein NUCLING	RGD1560011	315732	1,03	up
5765666	7258784	1519668	similar to nuclear receptor interacting protein 2	LOC689619	689619	1,42	down
6697009	7377116	1814067	similar to nuclear RNA export factor 2	LOC680025	680025	2,31	down
5904166	7377116	1814067	similar to nuclear RNA export factor 2	LOC680025	680025	1,30	down
6593721	7073950	1065942	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,56	down
6052395	7073950	1065934	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,49	down
6332958	7073950	1065931	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,47	down
6713475	7073950	1065924	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,43	down
5901919	7073950	1065880	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,35	up
5709090	7073950	1065942	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,34	up
6156404	7073950	1065926	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,33	down
6257721	7073950	1065940	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,28	up
5804373	7073950	1065869	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,27	up
6276324	7073950	1065923	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,27	down
6087409	7073950	1065859	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,25	down
6513787	7073950	1065868	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,25	up
6136527	7073950	1065935	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,24	down
6727379	7073950	1065930	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,23	down
6234052	7073950	1065919	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,23	down
6034361	7073950	1065910	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,22	up
6222995	7073950	1065921	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,16	down
6314912	7073950	1065912	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,16	down
6128465	7073950	1065928	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,14	up
6462729	7073950	1065883	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,13	up
6044187	7073950	1065908	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,13	down
6208150	7073950	1065922	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,13	down
6610116	7073950	1065918	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,12	down
5935683	7073950	1065911	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,12	down
6274928	7073950	1065942	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,10	up
6706686	7073950	1065939	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,09	down
6311837	7073950	1065933	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,09	up
6506304	7073950	1065941	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,09	down
5962002	7073950	1065905	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,09	down
6421073	7073950	1065904	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,09	down
6448715	7073950	1065938	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,08	down
6459402	7073950	1065936	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,08	up
5731767	7073950	1065920	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,06	down
6557420	7073950	1065938	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,06	down
6026146	7073950	1065887	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,05	up
6149640	7073950	1065932	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,02	down
6067154	7073950	1065897	similar to p150 target of rapamycin (TOR)-scaffold protein containing WD-repeats	RGD1311784	287871	1,02	down

6463099	7219729	1422382	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	2,48	up
5923733	7219729	1422385	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,94	up
5746246	7219729	1422381	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,60	down
6186051	7219729	1422383	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,49	up
6336883	7219729	1422381	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,42	down
6239503	7219729	1422382	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,34	down
5678784	7219729	1422386	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,12	down
6307265	7219729	1422380	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,11	up
6045468	7219729	1422390	similar to peptidylprolyl isomerase (cyclophilin)-like 6	LOC684245	684245	1,02	up
6119057	7120468	1178511	similar to PES1 protein	LOC289740	289740	1,98	down
6736787	7120468	1178511	similar to PES1 protein	LOC289740	289740	1,51	down
5845891	7120468	1178504	similar to PES1 protein	LOC289740	289740	1,46	up
6664356	7120468	1178505	similar to PES1 protein	LOC289740	289740	1,39	up
6565021	7120468	1178512	similar to PES1 protein	LOC289740	289740	1,37	down
5868732	7120468	1178507	similar to PES1 protein	LOC289740	289740	1,34	up
6046455	7120468	1178501	similar to PES1 protein	LOC289740	289740	1,30	up
6421850	7120468	1178502	similar to PES1 protein	LOC289740	289740	1,29	up
5852914	7120468	1178506	similar to PES1 protein	LOC289740	289740	1,19	up
6081658	7120468	1178510	similar to PES1 protein	LOC289740	289740	1,16	down
6678581	7120468	1178503	similar to PES1 protein	LOC289740	289740	1,15	up
6351027	7120468	1178510	similar to PES1 protein	LOC289740	289740	1,14	up
5664137	7120468	1178508	similar to PES1 protein	LOC289740	289740	1,13	up
5809014	7120468	1178500	similar to PES1 protein	LOC289740	289740	1,06	up
6193965	7120468	1178504	similar to PES1 protein	LOC289740	289740	1,04	up
6262135	7299785	1621347	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	2,25	down
6603388	7299785	1621344	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,84	down
6016700	7299785	1621350	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,56	up
5656662	7299785	1621354	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,43	up
5861489	7299785	1621349	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,42	up
5642875	7299785	1621335	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,31	down
6507334	7299785	1621342	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,23	down
6170290	7299785	1621336	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,12	down
6421490	7299785	1621341	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,12	down
5857965	7299785	1621353	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,11	up
6040731	7299785	1621355	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,10	up
5865111	7299785	1621340	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,10	down
5929669	7299785	1621343	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,10	down
5959374	7299785	1621351	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,09	up
5620662	7299785	1621348	similar to pleckstrin homology domain protein (5V327)	RGD1566112	500685	1,01	up
6696460	7373866	1806264	similar to poly(rC) binding protein 2	LOC680369	680369	2,07	up
5859243	7373866	1806262	similar to poly(rC) binding protein 2	LOC680369	680369	2,04	up
6281517	7373866	1806262	similar to poly(rC) binding protein 2	LOC680369	680369	1,24	down
5981390	7373866	1806262	similar to poly(rC) binding protein 2	LOC680369	680369	1,20	down
6539366	7373866	1806262	similar to poly(rC) binding protein 2	LOC680369	680369	1,09	down
5927427	7373866	1806262	similar to poly(rC) binding protein 2	LOC680369	680369	1,07	up
5676237	7373866	1806262	similar to poly(rC) binding protein 2	LOC680369	680369	1,05	up
5774428	7238202	1468958	similar to Protein C9orf126 homolog	LOC690538	690538	1,40	up
5802890	7238202	1468938	similar to Protein C9orf126 homolog	LOC690538	690538	1,14	up
6395864	7238202	1468959	similar to Protein C9orf126 homolog	LOC690538	690538	1,04	up
6393728	7052331	1014572	similar to Protein KIAA0574	LOC680344	680344	1,68	up
5869621	7052331	1014590	similar to Protein KIAA0574	LOC680344	680344	1,30	down
6215776	7052331	1014578	similar to Protein KIAA0574	LOC680344	680344	1,30	down
5757182	7052331	1014574	similar to Protein KIAA0574	LOC680344	680344	1,08	down
6677122	7052331	1014581	similar to Protein KIAA0574	LOC680344	680344	1,05	down
6311044	7052331	1014577	similar to Protein KIAA0574	LOC680344	680344	1,04	up
6642100	7052331	1014578	similar to Protein KIAA0574	LOC680344	680344	1,04	down
5823360	7299083	1619264	similar to Protein KIAA0586	LOC690035	690035	2,12	up

6152385	7299083	1619255	similar to Protein KIAA0586	LOC690035	690035	1,83	down
6421236	7299083	1619232	similar to Protein KIAA0586	LOC690035	690035	1,81	up
5835106	7299083	1619253	similar to Protein KIAA0586	LOC690035	690035	1,78	down
6223190	7299083	1619233	similar to Protein KIAA0586	LOC690035	690035	1,77	down
5936142	7299083	1619254	similar to Protein KIAA0586	LOC690035	690035	1,69	up
6462311	7299083	1619243	similar to Protein KIAA0586	LOC690035	690035	1,63	up
6423749	7299083	1619245	similar to Protein KIAA0586	LOC690035	690035	1,50	down
6194376	7299083	1619243	similar to Protein KIAA0586	LOC690035	690035	1,46	down
6136705	7299083	1619240	similar to Protein KIAA0586	LOC690035	690035	1,36	down
5981189	7299083	1619264	similar to Protein KIAA0586	LOC690035	690035	1,35	up
6069061	7299083	1619234	similar to Protein KIAA0586	LOC690035	690035	1,33	up
6147437	7299083	1619258	similar to Protein KIAA0586	LOC690035	690035	1,33	up
6406353	7299083	1619239	similar to Protein KIAA0586	LOC690035	690035	1,32	down
5876086	7299083	1619256	similar to Protein KIAA0586	LOC690035	690035	1,31	up
5895625	7299083	1619249	similar to Protein KIAA0586	LOC690035	690035	1,29	down
6222177	7299083	1619241	similar to Protein KIAA0586	LOC690035	690035	1,25	down
5769924	7299083	1619235	similar to Protein KIAA0586	LOC690035	690035	1,24	down
6361549	7299083	1619237	similar to Protein KIAA0586	LOC690035	690035	1,23	down
6736477	7299083	1619238	similar to Protein KIAA0586	LOC690035	690035	1,21	down
6415418	7299083	1619251	similar to Protein KIAA0586	LOC690035	690035	1,20	down
6283837	7299083	1619257	similar to Protein KIAA0586	LOC690035	690035	1,18	up
6253617	7299083	1619231	similar to Protein KIAA0586	LOC690035	690035	1,15	down
6219494	7299083	1619243	similar to Protein KIAA0586	LOC690035	690035	1,15	down
6190418	7299083	1619255	similar to Protein KIAA0586	LOC690035	690035	1,15	down
6453549	7299083	1619238	similar to Protein KIAA0586	LOC690035	690035	1,12	down
6177371	7299083	1619248	similar to Protein KIAA0586	LOC690035	690035	1,09	down
6408708	7299083	1619240	similar to Protein KIAA0586	LOC690035	690035	1,08	up
6335696	7299083	1619247	similar to Protein KIAA0586	LOC690035	690035	1,06	down
6257990	7299083	1619229	similar to Protein KIAA0586	LOC690035	690035	1,06	down
6722488	7299083	1619242	similar to Protein KIAA0586	LOC690035	690035	1,03	up
6598402	7299083	1619236	similar to Protein KIAA0586	LOC690035	690035	1,03	down
6742161	7299083	1619228	similar to Protein KIAA0586	LOC690035	690035	1,03	down
6683628	7299083	1619252	similar to Protein KIAA0586	LOC690035	690035	1,02	down
5777080	7299083	1619251	similar to Protein KIAA0586	LOC690035	690035	1,01	down
5684617	7299083	1619244	similar to Protein KIAA0586	LOC690035	690035	1,01	up
6522485	7156052	1265780	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,95	down
6119078	7156052	1265789	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,49	up
6224612	7156052	1265789	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,34	down
6403584	7156052	1265778	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,24	up
6201552	7156052	1265786	similar to protein kinase, lysine deficient 1; kinase deficient protein	RGD1307284	306811	1,20	down
5965963	7355755	1759335	similar to PSST739 protein	RGD1565501	501160	2,06	down
6022396	7355755	1759317	similar to PSST739 protein	RGD1565501	501160	2,00	down
6092223	7355755	1759323	similar to PSST739 protein	RGD1565501	501160	1,38	up
6689143	7355755	1759317	similar to PSST739 protein	RGD1565501	501160	1,35	up
6485987	7355755	1759318	similar to PSST739 protein	RGD1565501	501160	1,22	down
6625273	7355755	1759318	similar to PSST739 protein	RGD1565501	501160	1,05	up
6369980	7355755	1759334	similar to PSST739 protein	RGD1565501	501160	1,02	up
6707154	7355755	1759318	similar to PSST739 protein	RGD1565501	501160	1,00	up
5763071	7091609	1107063	similar to Putative protein C21orf62 homolog	RGD1562726	498060	3,17	down
6395078	7091609	1107060	similar to Putative protein C21orf62 homolog	RGD1562726	498060	1,27	up
6685140	7091609	1107060	similar to Putative protein C21orf62 homolog	RGD1562726	498060	1,21	down
5980716	7091609	1107062	similar to Putative protein C21orf62 homolog	RGD1562726	498060	1,19	up
6701308	7101258	1130582	similar to Rasa4 protein	RGD1565457	288589	3,51	down
6509429	7101258	1130556	similar to Rasa4 protein	RGD1565457	288589	1,94	down
6505761	7142917	1233183	similar to retinoblastoma-associated protein 140	LOC679469	679469	1,90	down
6056888	7142917	1233184	similar to retinoblastoma-associated protein 140	LOC679469	679469	1,38	down
5685471	7180630	1326441	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	2,00	down

5943602	7180630	1326435	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,96	down
5796490	7180630	1326440	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,90	up
6491530	7180630	1326432	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,76	up
5723789	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,60	down
6667117	7180630	1326452	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,57	down
6563803	7180630	1326456	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,52	down
6598972	7180630	1326438	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,49	down
6638409	7180630	1326456	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,32	up
5953673	7180630	1326436	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,31	up
5918663	7180630	1326435	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,30	up
6703699	7180630	1326428	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,29	down
6269879	7180630	1326444	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,28	up
6393403	7180630	1326447	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,28	up
5750844	7180630	1326431	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,27	up
6099750	7180630	1326435	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,25	up
5761056	7180630	1326442	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,22	up
6073590	7180630	1326443	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,21	down
5626737	7180630	1326431	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,20	up
6619048	7180630	1326445	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,18	down
6409308	7180630	1326429	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,17	down
5705443	7180630	1326434	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,16	up
6326125	7180630	1326439	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,15	down
6122065	7180630	1326448	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,13	down
5916472	7180630	1326450	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,12	down
5795359	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,11	up
6135924	7180630	1326426	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,11	up
6051933	7180630	1326433	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,11	down
6293773	7180630	1326437	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,10	down
6400915	7180630	1326426	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,09	down
6330775	7180630	1326425	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,09	up
6139841	7180630	1326433	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,08	down
6445588	7180630	1326449	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,07	down
6447836	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,06	down
5644010	7180630	1326427	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,05	up
6377532	7180630	1326451	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,04	down
5914236	7180630	1326430	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,03	up
6539076	7180630	1326446	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,03	down
6226854	7180630	1326454	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,02	down
6449890	7180630	1326455	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,02	down
6209475	7180630	1326453	similar to RGD, leucine-rich repeat, tropomodulin and proline-rich containing protein	RGD1562390	307797	1,00	down
6709846	7373633	1805710	similar to ribosomal protein L31	LOC679519	679519	1,98	down
6298447	7091576	1106967	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	2,66	down
5711482	7091576	1106964	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,78	up
6148157	7091576	1106961	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,47	down
6731880	7091576	1106963	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,41	down
5703556	7091576	1106962	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,28	up
5641793	7091576	1106965	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,23	up
6290678	7091576	1106966	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,11	up
6195185	7091576	1106967	similar to RIKEN cDNA 1110004E09	RGD1306954	288269	1,02	down
6344056	7156047	1265734	similar to RIKEN cDNA 1110007C09	RGD1306058	361224	1,79	up
5950716	7156047	1265733	similar to RIKEN cDNA 1110007C09	RGD1306058	361224	1,27	up
6724016	7156047	1265731	similar to RIKEN cDNA 1110007C09	RGD1306058	361224	1,23	down
5852137	7156047	1265728	similar to RIKEN cDNA 1110007C09	RGD1306058	361224	1,15	down
6304154	7156047	1265730	similar to RIKEN cDNA 1110007C09	RGD1306058	361224	1,09	down
6139983	7156047	1265734	similar to RIKEN cDNA 1110007C09	RGD1306058	361224	1,04	down
6619925	7079326	1077973	similar to RIKEN cDNA 1110020A23 /// ribonuclease, RNase K	JD1308134 /// Rnas: 287452 /// 287453		2,70	up
5932309	7079326	1077973	similar to RIKEN cDNA 1110020A23 /// ribonuclease, RNase K	JD1308134 /// Rnas: 287452 /// 287453		2,11	up

5998164	7079326	1077973	similar to RIKEN cDNA 1110020A23 /// ribonuclease, RNase K	JD1308134 /// Rnas 287452 /// 287453	1,62	up
6188143	7079326	1077973	similar to RIKEN cDNA 1110020A23 /// ribonuclease, RNase K	JD1308134 /// Rnas 287452 /// 287453	1,44	up
6359567	7079326	1077973	similar to RIKEN cDNA 1110020A23 /// ribonuclease, RNase K	JD1308134 /// Rnas 287452 /// 287453	1,27	down
5679233	7079326	1077972	similar to RIKEN cDNA 1110020A23 /// ribonuclease, RNase K	JD1308134 /// Rnas 287452 /// 287453	1,12	down
6039140	7301904	1626758	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,85	down
6428359	7301904	1626766	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,33	up
6305541	7301904	1626754	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,26	down
6429655	7301904	1626760	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,20	up
5941241	7301904	1626763	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,11	up
6172783	7301904	1626761	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,11	down
6655569	7301904	1626765	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,09	down
5710704	7301904	1626762	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,04	down
6305718	7301904	1626761	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,03	down
6515085	7301904	1626761	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,02	up
6500842	7301904	1626759	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,02	down
6546654	7301904	1626764	similar to RIKEN cDNA 1600013K19	RGD1307749 299338	1,00	up
5923578	7368565	1791291	similar to RIKEN cDNA 1700001E04	LOC363181 363181	1,30	up
6405561	7368565	1791289	similar to RIKEN cDNA 1700001E04	LOC363181 363181	1,29	up
6630820	7368565	1791291	similar to RIKEN cDNA 1700001E04	LOC363181 363181	1,14	down
6371714	7369938	1795526	similar to RIKEN cDNA 1700001E04	LOC363181 363181	1,14	up
6316524	7371539	1800299	similar to RIKEN cDNA 1700001F09	LOC290508 290508	1,60	up
6111705	7371539	1800299	similar to RIKEN cDNA 1700001F09	LOC290508 290508	1,01	down
6541063	7371539	1800299	similar to RIKEN cDNA 1700001F09	LOC290508 290508	1,00	down
6338004	7266778	1538855	similar to RIKEN cDNA 1700019G17	RGD1563507 500238	1,49	down
5707572	7266778	1538857	similar to RIKEN cDNA 1700019G17	RGD1563507 500238	1,41	down
6008331	7266778	1538856	similar to RIKEN cDNA 1700019G17	RGD1563507 500238	1,03	down
6386253	7266778	1538854	similar to RIKEN cDNA 1700019G17 /// camello-like 2 /// similar to Camello-like 2	3507 /// Cml2 /// LC38 /// 500237 /// 68	1,00	up
5720557	7218241	1418699	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	2,23	up
5816592	7218241	1418719	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,73	down
5777534	7218241	1418698	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,53	down
6007568	7218241	1418692	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,39	up
6623354	7218241	1418698	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,37	up
6587615	7218241	1418700	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,31	up
5965144	7218241	1418695	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,19	down
5851771	7218241	1418714	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,18	down
6007199	7218241	1418713	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,18	down
5926070	7218241	1418718	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,09	up
6688328	7218241	1418713	similar to RIKEN cDNA 1700040L02	RGD1306739 361834	1,07	down
6137525	7373420	1805132	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,84	up
6657609	7373420	1805129	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,16	down
5962880	7373420	1805130	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,13	up
6362986	7373420	1805129	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,05	up
6245416	7373420	1805136	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,05	down
6054155	7373420	1805134	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,04	down
5939539	7373420	1805131	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,03	down
6592968	7373420	1805133	similar to RIKEN cDNA 1810030O07	RGD1565685 317344	1,02	up
6527513	7246518	1489041	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,30	down
6054778	7246518	1489046	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,23	down
5972751	7246518	1489052	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,23	up
6374827	7246518	1489049	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,20	down
5984650	7246518	1489041	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,20	up
6250740	7246518	1489042	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,11	up
6255748	7246518	1489052	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,08	up
6182062	7246518	1489043	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,08	down
5761746	7246518	1489045	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,05	down
6541136	7246518	1489047	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,04	up
5794805	7246518	1489045	similar to RIKEN cDNA 2310001A20	RGD1308874 366227	1,03	up

5874769	7186528	1341560	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	2,18	down
6275325	7186528	1341553	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,88	down
6160191	7186528	1341560	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,80	up
6665954	7186528	1341553	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,36	down
6358688	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,31	up
6103642	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,31	down
6012580	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,28	up
5947370	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,28	down
6719397	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,21	up
6714642	7186528	1341560	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,11	up
6631190	7186528	1341554	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,09	down
6127041	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,06	down
6495488	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,06	down
6326337	7186528	1341560	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,05	down
6107198	7186528	1341551	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,05	down
6340941	7186528	1341552	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,03	down
6388406	7186528	1341553	similar to RIKEN cDNA 2310022B05	RGD1559896	498967	1,01	down
6073748	7119179	1174999	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	2,25	down
6185515	7119179	1175007	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,90	up
5977534	7119179	1174991	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,76	up
6669513	7119179	1174987	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,73	down
6628458	7119179	1175008	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,60	up
5827120	7119179	1174983	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,55	up
6140999	7119179	1174966	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,55	up
6097863	7119179	1175001	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,51	down
6249938	7119179	1174971	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,44	down
5749371	7119179	1174997	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,40	down
5935497	7119179	1174982	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,38	up
6155328	7119179	1174983	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,31	up
6338596	7119179	1174967	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,30	down
6476123	7119179	1175007	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,29	down
6410936	7119179	1175002	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,27	up
5904623	7119179	1174989	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,27	up
6376379	7119179	1174976	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,24	down
5705537	7119179	1175006	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,24	up
6342559	7119179	1174977	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,16	up
6556816	7119179	1174980	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,15	up
6242257	7119179	1174994	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,15	up
6363549	7119179	1174990	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,15	down
6296995	7119179	1174992	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,12	down
6001246	7119179	1174978	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,11	up
6695596	7119179	1174981	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,09	up
6245726	7119179	1175003	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,09	up
6558073	7119179	1174986	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,08	down
6417582	7119179	1174971	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,06	down
6191881	7119179	1174993	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,04	up
5898724	7119179	1175007	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,02	up
6576777	7119179	1174998	similar to RIKEN cDNA 2310045A20	RGD1562860	360945	1,01	up
6485034	7059917	1031329	similar to RIKEN cDNA 2410004C24	RGD1308049	293690	1,29	up
5975861	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	2,62	down
6689931	7099294	1126075	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	2,34	down
6098366	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,56	up
5677425	7099294	1126075	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,51	up
6324215	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,48	up
5948207	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,45	up
5764306	7099294	1126094	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,41	up
6457074	7099294	1126079	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,40	down

5717204	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,38	down
5860520	7099294	1126096	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,35	up
6577197	7099294	1126107	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,34	up
5673990	7099294	1126106	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,29	up
6559909	7099294	1126095	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,28	down
6004655	7099294	1126109	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,28	up
6272900	7099294	1126102	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,23	down
6070925	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,22	down
5663339	7099294	1126086	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,22	down
6394317	7099294	1126087	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,21	down
6129277	7099294	1126098	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,20	up
6231703	7099294	1126097	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,19	down
5832763	7099294	1126104	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,18	down
5979829	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,16	up
6232531	7099294	1126099	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,15	down
6611219	7099294	1126096	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,15	down
6484169	7099294	1126074	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,12	down
6446680	7099294	1126098	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,11	down
5742815	7099294	1126102	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,10	down
6534062	7099294	1126098	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,07	up
5849134	7099294	1126105	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,04	down
6587931	7099294	1126096	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,03	up
6297803	7099294	1126108	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,02	down
5996378	7099294	1126103	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,02	down
6450212	7099294	1126097	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,02	down
6190504	7099294	1126076	similar to RIKEN cDNA 2410025L10	RGD1563342	304572	1,00	down
6091718	7369939	1795591	similar to RIKEN cDNA 2610042L04 /// similar to RIKEN cDNA 4930555G01	501224 /// LOC367501224 /// 367381		1,18	up
6495423	7369939	1795610	similar to RIKEN cDNA 2610042L04 /// similar to RIKEN cDNA 4930555G01	501224 /// LOC367501224 /// 367381		1,14	down
6465898	7087456	1096617	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	2,72	down
5798077	7087456	1096616	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,50	down
6195741	7087456	1096618	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,47	up
5800157	7087456	1096624	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,22	down
5618961	7087456	1096623	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,21	down
6572266	7087456	1096625	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,17	up
5921830	7087456	1096620	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,14	up
5662431	7087456	1096622	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,12	up
6007590	7087456	1096619	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,11	down
5937780	7087456	1096621	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,07	up
6487955	7087456	1096615	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,07	up
5966821	7087456	1096615	similar to RIKEN cDNA 2610528E23	RGD1309437	288176	1,01	up
5954571	7039380	984098	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	2,11	up
6400649	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,97	down
5914554	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,56	down
6531724	7039380	984096	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,39	down
6614120	7039380	984100	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,34	down
5714870	7039380	984098	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,24	up
6410631	7039380	984096	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,21	up
6498390	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,20	up
5770206	7039380	984099	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,18	down
6558024	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,16	down
6293448	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,15	up
6487221	7039380	984098	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,12	up
5851386	7039380	984100	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,11	down
6069906	7039380	984097	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,11	up
6464264	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,04	down
6368309	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,03	down
6310073	7039380	984096	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,02	up

6149493	7039380	984101	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,01	up
5986042	7039380	984099	similar to RIKEN cDNA 2700081O15	RGD1560108	499309	1,01	down
5893865	7306680	1639575	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	2,27	up
6719907	7306680	1639574	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,61	down
5876226	7306680	1639574	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,51	down
6512936	7306680	1639574	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,43	down
5645155	7306680	1639576	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,23	up
5824343	7306680	1639573	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,22	up
6042765	7306680	1639569	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,11	up
6481098	7306680	1639571	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,11	down
5915081	7306680	1639570	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,08	down
6497850	7306680	1639572	similar to RIKEN cDNA 2700097O09	RGD1304624	314128	1,04	up
6276708	7292701	1602927	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,61	up
6706008	7292701	1602924	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,49	up
6561804	7292701	1602923	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,46	down
5921113	7292701	1602952	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,42	down
6285229	7292701	1602949	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,41	up
5930738	7292701	1602933	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,38	up
6687939	7292701	1602935	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,33	up
6013629	7292701	1602945	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,31	up
6070255	7292701	1602937	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,22	up
6340225	7292701	1602936	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,20	down
6110203	7292701	1602925	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,14	down
6114367	7292701	1602928	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,14	up
6648842	7292701	1602931	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,12	down
5983431	7292701	1602932	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,07	down
6694900	7292701	1602944	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,07	down
5797280	7292701	1602941	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,04	down
6567691	7292701	1602934	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,04	up
6463755	7292701	1602938	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,03	down
6024043	7292701	1602930	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,03	down
6254191	7292701	1602953	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,02	down
6150443	7292701	1602926	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,02	up
5862508	7292701	1602939	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,01	up
6301103	7292701	1602951	similar to RIKEN cDNA 2900090M10	RGD1563444	500577	1,00	up
6717413	7034747	973188	similar to RIKEN cDNA 3200002M19	RGD1311634	293155	2,54	down
6501298	7034747	973193	similar to RIKEN cDNA 3200002M19	RGD1311634	293155	1,70	up
5728165	7034747	973188	similar to RIKEN cDNA 3200002M19	RGD1311634	293155	1,44	up
6568846	7361042	1772269	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,63	up
6415315	7361042	1772261	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,47	down
6100290	7361042	1772277	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,46	up
6040687	7361042	1772270	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,41	up
6692344	7361042	1772274	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,31	up
6372721	7361042	1772270	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,25	down
6542367	7361042	1772257	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,18	down
5999756	7361042	1772266	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,17	up
5990536	7361042	1772262	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,17	up
6705409	7361042	1772256	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,17	up
6557501	7361042	1772257	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,17	down
6569357	7361042	1772260	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,12	up
6110725	7361042	1772259	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,08	down
5621407	7361042	1772258	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,06	up
5911633	7361042	1772268	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,05	down
5651867	7361042	1772275	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,03	down
6493668	7361042	1772278	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,02	up
6304711	7361042	1772267	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,02	up
6729114	7361042	1772271	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,01	up

5955222	7361042	1772272	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,00	down
6398631	7361042	1772265	similar to RIKEN cDNA 4632411B12	RGD1309220	316328	1,00	down
6368493	7278597	1569627	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,91	up
6465225	7278597	1569644	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,80	down
6723024	7278597	1569644	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,29	down
5731137	7278597	1569629	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,22	up
6452245	7278597	1569644	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,20	up
5669145	7278597	1569643	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,20	down
5717778	7278597	1569627	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,18	down
6375254	7278597	1569640	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,17	down
6281240	7278597	1569633	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,13	up
6516819	7278597	1569628	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,13	down
6005147	7278597	1569630	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,12	up
6437797	7278597	1569642	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,12	down
6528527	7278597	1569635	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,10	up
5653836	7278597	1569637	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,09	down
6248632	7278597	1569639	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,08	up
6123743	7278597	1569636	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,07	down
6318403	7278597	1569634	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,05	up
6575276	7278597	1569638	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,04	up
5737348	7278597	1569627	similar to RIKEN cDNA 4732418C07	RGD1310351	298425	1,03	down
6050283	7146807	1242809	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,42	down
5887363	7146807	1242810	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,36	down
6371179	7146807	1242814	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,17	down
6040345	7146807	1242809	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,15	down
5719166	7146807	1242811	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,08	up
6634200	7146807	1242813	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,08	down
6486223	7146807	1242813	similar to RIKEN cDNA 4930444A02	RGD1310810	306549	1,07	down
6060966	7368567	1791333	similar to RIKEN cDNA 4930555G01	LOC367381	367381	2,06	down
6555536	7369939	1795607	similar to RIKEN cDNA 4930555G01	LOC367381	367381	1,78	up
5670601	7368567	1791335	similar to RIKEN cDNA 4930555G01	LOC367381	367381	1,63	down
5770255	7366749	1785477	similar to RIKEN cDNA 4931400A14	RGD1307234	316732	1,52	down
6207866	7366749	1785477	similar to RIKEN cDNA 4931400A14	RGD1307234	316732	1,38	down
6126018	7061703	1035734	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	2,20	up
6597929	7061703	1035729	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,71	up
5911386	7061703	1035738	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,51	down
6637726	7061703	1035726	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,44	up
5659589	7061703	1035727	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,22	down
6038835	7061703	1035728	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,15	up
5967889	7061703	1035739	similar to RIKEN cDNA 5033414D02	RGD1306839	293888	1,12	down
5736046	7126658	1193153	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	3,16	up
5627955	7126658	1193131	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	2,42	up
5795928	7126658	1193173	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	2,10	down
5971390	7126658	1193168	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	2,05	down
6252883	7126658	1193136	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,92	up
5676236	7126658	1193167	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,89	up
6544705	7126658	1193141	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,88	down
6634874	7126658	1193157	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,87	up
6554181	7126658	1193131	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,77	up
6668671	7126658	1193129	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,75	up
5633903	7126658	1193143	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,71	down
5878234	7126658	1193152	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,71	down
5658090	7126658	1193131	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,60	up
5840337	7126658	1193144	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,59	down
6660383	7126658	1193133	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,56	down
6192989	7126658	1193146	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,46	down
5629960	7126658	1193139	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,43	down

6587128	7126658	1193165	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,36	up
6581029	7126658	1193147	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,35	down
5670032	7126658	1193169	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,34	up
6592909	7126658	1193134	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,32	down
6099120	7126658	1193132	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,28	up
6549950	7126658	1193174	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,28	up
6271152	7126658	1193155	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,27	down
5948318	7126658	1193145	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,25	down
5816635	7126658	1193159	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,24	up
6508109	7126658	1193158	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,24	up
6500100	7126658	1193142	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,19	up
6005970	7126658	1193163	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,16	down
5939670	7126658	1193160	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,13	up
6314201	7126658	1193130	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,12	down
6415116	7126658	1193140	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,07	down
6443135	7126658	1193166	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,07	up
6262225	7126658	1193171	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,05	down
6510787	7126658	1193172	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,05	up
6725687	7126658	1193137	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,05	down
6233631	7126658	1193162	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,03	down
6064099	7126658	1193138	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,01	up
5849130	7126658	1193136	similar to RIKEN cDNA 5730509K17 gene	RGD1561042	498386	1,00	down
5929869	7344380	1731115	similar to RIKEN cDNA 5830475I06	RGD1311744	300608	1,03	down
6171858	7275879	1562188	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	2,36	down
6137334	7275879	1562200	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	2,15	up
5717019	7275879	1562203	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,97	down
5809007	7275879	1562199	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,93	up
6629616	7275879	1562196	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,88	up
5661952	7275879	1562203	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,49	up
6043354	7275879	1562198	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,44	up
6653833	7275879	1562204	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,38	up
6393936	7275879	1562190	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,34	up
6077423	7275879	1562197	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,28	up
6195896	7275879	1562204	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,26	down
6651401	7275879	1562204	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,21	up
5808910	7275879	1562202	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,20	down
6654241	7275879	1562189	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,20	down
6327702	7275879	1562204	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,10	down
5806295	7275879	1562203	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,10	down
6051699	7275879	1562203	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,09	up
6618034	7275879	1562193	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,08	down
6055660	7275879	1562204	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,05	up
5845231	7275879	1562204	similar to RIKEN cDNA 6330416G13 gene	RGD1304595	298104	1,03	down
6507341	7282393	1578795	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	2,38	down
6673686	7282393	1578793	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,99	down
5753304	7282393	1578792	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,85	up
5997509	7282393	1578794	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,66	down
5638392	7282393	1578789	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,46	up
5860115	7282393	1578793	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,39	up
6240584	7282393	1578790	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,36	down
5820923	7282393	1578796	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,36	up
5905313	7282393	1578791	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,12	up
6248779	7282393	1578787	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,11	down
6018100	7282393	1578788	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,07	up
6627349	7282393	1578796	similar to RIKEN cDNA 9430015G10	RGD1311517	313775	1,00	down
6007397	7356619	1761332	similar to RIKEN cDNA 9430031J16	RGD1305560	301561	3,13	down
6086031	7356619	1761333	similar to RIKEN cDNA 9430031J16	RGD1305560	301561	2,32	down

5705242	7356619	1761341	similar to RIKEN cDNA 9430031J16	RGD1305560	301561	1,49	up
5621563	7356619	1761353	similar to RIKEN cDNA 9430031J16	RGD1305560	301561	1,15	up
6290385	7356619	1761330	similar to RIKEN cDNA 9430031J16	RGD1305560	301561	1,14	down
6139132	7356619	1761353	similar to RIKEN cDNA 9430031J16	RGD1305560	301561	1,11	up
6071992	7068695	1052733	similar to RIKEN cDNA A530088H08 gene	RGD1565284	497929	1,09	up
6588572	7068695	1052737	similar to RIKEN cDNA A530088H08 gene	RGD1565284	497929	1,07	down
6076541	7199341	1374125	similar to RIKEN cDNA A630047E20	RGD1307816	295446	2,06	down
6175094	7199341	1374143	similar to RIKEN cDNA A630047E20	RGD1307816	295446	2,02	up
5848349	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,69	up
5620785	7199341	1374137	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,51	up
6563007	7199341	1374123	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,50	up
6561857	7199341	1374125	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,39	down
6190298	7199341	1374152	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,35	down
6583077	7199341	1374179	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,32	up
5686510	7199341	1374147	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,32	up
6611240	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,31	down
6193005	7199341	1374146	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,31	up
5679461	7199341	1374144	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,30	down
6406632	7199341	1374148	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,28	down
6485084	7199341	1374145	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,28	up
6481512	7199341	1374175	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,27	up
5639640	7199341	1374131	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,27	down
5624521	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,25	up
6132129	7199341	1374128	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,22	up
5753290	7199341	1374180	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,20	down
5892247	7199341	1374135	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,18	up
6702026	7199341	1374141	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,17	down
6122660	7199341	1374179	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,15	down
6372113	7199341	1374159	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,14	down
6377925	7199341	1374136	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,14	up
6102135	7199341	1374134	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,11	up
6213282	7199341	1374139	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,08	down
6388463	7199341	1374142	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,08	down
5801699	7199341	1374179	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,06	down
6349182	7199341	1374138	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,05	up
6570876	7199341	1374169	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,05	up
6540303	7199341	1374151	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,04	down
5686336	7199341	1374132	similar to RIKEN cDNA A630047E20	RGD1307816	295446	1,03	down
6277385	7190242	1350304	similar to RIKEN cDNA B130016O10 gene	RGD1308448	310358	1,47	down
6585562	7190242	1350322	similar to RIKEN cDNA B130016O10 gene	RGD1308448	310358	1,35	down
5952428	7190242	1350321	similar to RIKEN cDNA B130016O10 gene	RGD1308448	310358	1,19	down
5711636	7190242	1350294	similar to RIKEN cDNA B130016O10 gene	RGD1308448	310358	1,04	up
6225408	7180538	1326187	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	2,13	down
6039544	7180538	1326201	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,73	down
5667803	7180538	1326192	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,50	down
6311644	7180538	1326187	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,30	up
6409091	7180538	1326193	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,30	up
6017115	7180538	1326202	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,27	up
6281268	7180538	1326196	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,24	up
5675159	7180538	1326197	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,19	up
6423387	7180538	1326187	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,17	down
6519836	7180538	1326194	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,15	up
6338254	7180538	1326187	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,11	down
6493368	7180538	1326200	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,09	down
5834509	7180538	1326191	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,08	down
6306322	7180538	1326199	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,07	up
6098990	7180538	1326195	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,03	up

6446327	7180538	1326198	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,03	up
6302349	7180538	1326188	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,02	up
6046403	7180538	1326189	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,01	down
6435248	7180538	1326190	similar to RIKEN cDNA D230025D16Rik	RGD621098	207123	1,01	up
6006304	7340304	1720865	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	2,47	down
5890959	7340304	1720867	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	2,36	down
5721436	7340304	1720867	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	1,26	down
6574108	7340304	1720868	similar to RIKEN cDNA D330022A01 gene	RGD1306603	363144	1,21	down
6391869	7162959	1282089	similar to RNA binding motif protein 24	LOC690139	690139	2,40	down
5752899	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,74	down
6452130	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,40	up
5795807	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,22	up
6064632	7162959	1282086	similar to RNA binding motif protein 24	LOC690139	690139	1,11	up
6113187	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,08	down
5926726	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,06	up
5970445	7162959	1282082	similar to RNA binding motif protein 24	LOC690139	690139	1,05	down
5914540	7162959	1282089	similar to RNA binding motif protein 24	LOC690139	690139	1,03	up
6178115	7162959	1282087	similar to RNA binding motif protein 24	LOC690139	690139	1,02	down
5989293	7351953	1749880	similar to RP3-330M21.4	RGD1559518	316229	1,89	down
6505921	7351953	1749864	similar to RP3-330M21.4	RGD1559518	316229	1,79	down
6298343	7351953	1749869	similar to RP3-330M21.4	RGD1559518	316229	1,41	up
6153585	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,39	up
6610414	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,39	down
6674795	7351953	1749871	similar to RP3-330M21.4	RGD1559518	316229	1,35	up
5866423	7351953	1749865	similar to RP3-330M21.4	RGD1559518	316229	1,31	up
6274948	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,30	up
6528755	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,26	down
6469184	7351953	1749870	similar to RP3-330M21.4	RGD1559518	316229	1,19	up
6302487	7351953	1749872	similar to RP3-330M21.4	RGD1559518	316229	1,11	down
6508790	7351953	1749874	similar to RP3-330M21.4	RGD1559518	316229	1,10	down
6301972	7351953	1749867	similar to RP3-330M21.4	RGD1559518	316229	1,10	down
5692810	7351953	1749880	similar to RP3-330M21.4	RGD1559518	316229	1,09	down
6121412	7351953	1749866	similar to RP3-330M21.4	RGD1559518	316229	1,09	down
5661159	7351953	1749860	similar to RP3-330M21.4	RGD1559518	316229	1,07	up
6396536	7351953	1749873	similar to RP3-330M21.4	RGD1559518	316229	1,03	down
6434188	7351953	1749879	similar to RP3-330M21.4	RGD1559518	316229	1,02	down
6577417	7351953	1749868	similar to RP3-330M21.4	RGD1559518	316229	1,01	down
6296892	7351953	1749874	similar to RP3-330M21.4	RGD1559518	316229	1,00	up
6021572	7220882	1424991	similar to RT1 class II histocompatibility antigen, B-1 beta chain precursor (RT1.B-beta(1)) /// RT1 cC688090 /// RT1-I 688090 /// 309622			2,48	up
6254811	7220882	1424992	similar to RT1 class II histocompatibility antigen, B-1 beta chain precursor (RT1.B-beta(1)) /// RT1 cC688090 /// RT1-I 688090 /// 309622			1,02	up
5680558	7038179	981267	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,47	down
6586091	7038179	981262	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,38	up
5972890	7038179	981265	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,23	up
6266909	7038179	981264	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,22	up
5669056	7038179	981266	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,15	down
5929730	7038179	981264	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,14	up
5809030	7038179	981268	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,12	up
5880897	7038179	981266	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,08	up
5896178	7038179	981261	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,03	up
5791338	7038179	981265	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,02	down
6663964	7038179	981264	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,01	down
5744818	7038179	981262	similar to scavenger receptor cysteine-rich type 1 protein M160 precursor	LOC680907	680907	1,01	down
5986359	7038179	981253	similar to scavenger receptor protein family member	LOC682120	682120	1,31	up
6176251	7038179	981254	similar to scavenger receptor protein family member	LOC682120	682120	1,08	up
6533098	7136142	1216425	similar to SEC24 related gene family, member C	LOC685144	685144	1,53	up
6423551	7136142	1216436	similar to SEC24 related gene family, member C	LOC685144	685144	1,33	down
5915938	7136142	1216432	similar to SEC24 related gene family, member C	LOC685144	685144	1,27	down

5935757	7136142	1216421	similar to SEC24 related gene family, member C	LOC685144	685144	1,26	up
6738236	7136142	1216423	similar to SEC24 related gene family, member C	LOC685144	685144	1,26	up
5681691	7136142	1216414	similar to SEC24 related gene family, member C	LOC685144	685144	1,20	down
6048314	7136142	1216429	similar to SEC24 related gene family, member C	LOC685144	685144	1,19	down
6432521	7136142	1216432	similar to SEC24 related gene family, member C	LOC685144	685144	1,19	down
5767871	7136142	1216426	similar to SEC24 related gene family, member C	LOC685144	685144	1,15	up
5857119	7136142	1216431	similar to SEC24 related gene family, member C	LOC685144	685144	1,13	up
6670750	7136142	1216435	similar to SEC24 related gene family, member C	LOC685144	685144	1,12	down
6179327	7136142	1216428	similar to SEC24 related gene family, member C	LOC685144	685144	1,12	up
6178972	7136142	1216415	similar to SEC24 related gene family, member C	LOC685144	685144	1,09	down
6050800	7136142	1216419	similar to SEC24 related gene family, member C	LOC685144	685144	1,09	up
6727363	7136142	1216419	similar to SEC24 related gene family, member C	LOC685144	685144	1,08	down
6541575	7136142	1216415	similar to SEC24 related gene family, member C	LOC685144	685144	1,08	down
5678338	7136142	1216414	similar to SEC24 related gene family, member C	LOC685144	685144	1,06	down
5906528	7136142	1216424	similar to SEC24 related gene family, member C	LOC685144	685144	1,05	up
6339273	7136142	1216433	similar to SEC24 related gene family, member C	LOC685144	685144	1,05	down
6666903	7136142	1216432	similar to SEC24 related gene family, member C	LOC685144	685144	1,03	down
6086570	7136142	1216418	similar to SEC24 related gene family, member C	LOC685144	685144	1,03	up
6658473	7136142	1216427	similar to SEC24 related gene family, member C	LOC685144	685144	1,03	down
5973462	7136142	1216420	similar to SEC24 related gene family, member C	LOC685144	685144	1,02	up
6007216	7136142	1216417	similar to SEC24 related gene family, member C	LOC685144	685144	1,02	down
6630251	7136142	1216422	similar to SEC24 related gene family, member C	LOC685144	685144	1,02	down
5716373	7136142	1216414	similar to SEC24 related gene family, member C	LOC685144	685144	1,01	down
5849261	7136142	1216433	similar to SEC24 related gene family, member C	LOC685144	685144	1,00	down
6617941	7055876	1022460	similar to SET binding factor 2	LOC691036	691036	1,65	down
6098912	7055876	1022512	similar to SET binding factor 2	RGD1559442	308934	1,54	up
5623322	7055876	1022458	similar to SET binding factor 2	LOC691036	691036	1,53	down
6746918	7055876	1022521	similar to SET binding factor 2	LOC691036	691036	1,51	down
6087757	7055876	1022462	similar to SET binding factor 2	LOC691036	691036	1,42	up
6567767	7055876	1022457	similar to SET binding factor 2	LOC691036	691036	1,40	down
6077287	7055876	1022460	similar to SET binding factor 2	LOC691036	691036	1,38	down
6291492	7055876	1022484	similar to SET binding factor 2	LOC691036	691036	1,30	down
5877262	7055876	1022468	similar to SET binding factor 2	LOC691036	691036	1,28	down
5826017	7055876	1022521	similar to SET binding factor 2	LOC691036	691036	1,27	down
6064219	7055876	1022495	similar to SET binding factor 2	LOC691036	691036	1,25	down
5888270	7055876	1022492	similar to SET binding factor 2	LOC691036	691036	1,25	up
5941712	7055876	1022478	similar to SET binding factor 2	LOC691036	691036	1,24	down
6538639	7055876	1022501	similar to SET binding factor 2	LOC691036	691036	1,23	up
6689255	7055876	1022503	similar to SET binding factor 2	LOC691036	691036	1,21	down
6091359	7055876	1022499	similar to SET binding factor 2	LOC691036	691036	1,19	up
6688525	7055876	1022506	similar to SET binding factor 2	LOC691036	691036	1,18	up
6109531	7055876	1022503	similar to SET binding factor 2	LOC691036	691036	1,18	up
6243774	7055876	1022476	similar to SET binding factor 2	LOC691036	691036	1,17	up
5936562	7055876	1022483	similar to SET binding factor 2	LOC691036	691036	1,16	up
5786165	7055876	1022502	similar to SET binding factor 2	LOC691036	691036	1,15	up
6721407	7055876	1022474	similar to SET binding factor 2	LOC691036	691036	1,15	down
5893895	7055876	1022483	similar to SET binding factor 2	LOC691036	691036	1,14	up
5637175	7055876	1022457	similar to SET binding factor 2	LOC691036	691036	1,14	down
6088981	7055876	1022504	similar to SET binding factor 2	LOC691036	691036	1,13	up
5668276	7055876	1022496	similar to SET binding factor 2	LOC691036	691036	1,12	down
6518927	7055876	1022507	similar to SET binding factor 2	LOC691036	691036	1,10	up
5743164	7055876	1022479	similar to SET binding factor 2	LOC691036	691036	1,10	down
5653879	7055876	1022466	similar to SET binding factor 2	LOC691036	691036	1,10	up
5876223	7055876	1022466	similar to SET binding factor 2	LOC691036	691036	1,10	up
6490698	7055876	1022500	similar to SET binding factor 2	LOC691036	691036	1,09	down
6080304	7055876	1022465	similar to SET binding factor 2	LOC691036	691036	1,09	up
5946527	7055876	1022497	similar to SET binding factor 2	LOC691036	691036	1,07	down

6254497	7055876	1022480	similar to SET binding factor 2	LOC691036	691036	1,06	up	
6434122	7055876	1022477	similar to SET binding factor 2	LOC691036	691036	1,05	down	
6349902	7055876	1022463	similar to SET binding factor 2	LOC691036	691036	1,05	down	
5987989	7055876	1022467	similar to SET binding factor 2	LOC691036	691036	1,04	down	
5696648	7055876	1022461	similar to SET binding factor 2	LOC691036	691036	1,04	down	
6677464	7055876	1022488	similar to SET binding factor 2	LOC691036	691036	1,04	up	
5973328	7055876	1022482	similar to SET binding factor 2	LOC691036	691036	1,02	up	
5812429	7055876	1022464	similar to SET binding factor 2	LOC691036	691036	1,02	up	
6235571	7055876	1022467	similar to SET binding factor 2	LOC691036	691036	1,02	down	
6685509	7055876	1022481	similar to SET binding factor 2	LOC691036	691036	1,02	down	
6400402	7055876	1022508	similar to SET binding factor 2	LOC691036	691036	1,02	down	
5702056	7055876	1022469	similar to SET binding factor 2	LOC691036	691036	1,01	down	
5934001	7055876	1022515	similar to SET binding factor 2	LOC691036	691036	1,01	down	
6421933	7055876	1022498	similar to SET binding factor 2	LOC691036	691036	1,01	up	
6533977	7102040	1132631	similar to SET domain-containing protein	LOC689820	689820	1,42	down	
6390393	7102040	1132632	similar to SET domain-containing protein /// SET domain containing (lysine methyltransferase) 8	LOC687538	687538	2,27	down	
5875307	7102040	1132627	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,37	up	
5980303	7102040	1132629	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,36	up	
6246111	7102040	1132622	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,12	down	
6168314	7102040	1132626	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,09	up	
6127290	7102040	1132628	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,09	up	
5904319	7102040	1132623	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,08	up	
6183055	7102040	1132625	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,01	down	
5994444	7102040	1132621	similar to SET domain-containing protein /// similar to SET domain-containing protein /// SET doma820	LOC687538	687538	1,01	down	
6132065	7100523	1128953	similar to sidekick 1	RGD1560686	304297	1,38	up	
5724848	7100523	1128841	similar to sidekick 1	RGD1560686	304297	1,33	up	
5740285	7100523	1128935	similar to sidekick 1	RGD1560686	304297	1,32	up	
5710794	7100523	1128949	similar to sidekick 1	RGD1560686	304297	1,29	up	
5788599	7100523	1128953	similar to sidekick 1	RGD1560686	304297	1,21	down	
6639676	7100523	1128948	similar to sidekick 1	RGD1560686	304297	1,20	up	
5645213	7310851	1649623	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,43	up
6675013	7310851	1649621	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,26	up
6559344	7310851	1649624	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,23	up
5743795	7310851	1649622	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,06	down
5672912	7310851	1649619	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,04	down
5629028	7310851	1649620	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,02	down
6276769	7310851	1649622	similar to single chain Fv antibody fragment scFv 7-10A /// immunoglobulin heavy chain 6	LOC314509	Igh-t 314509	2,99357	1,02	up
6449812	7206144	1390016	similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 12	LOC361914	361914	1,58	up	
6120422	7206144	1390016	similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 12	LOC361914	361914	1,23	down	
6276419	7206144	1390014	similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 12	LOC361914	361914	1,07	up	
6073707	7206144	1390015	similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 12	LOC361914	361914	1,02	up	
6740636	7206144	1390013	similar to solute carrier family 7 (cationic amino acid transporter, y+ system), member 12	LOC361914	361914	1,02	down	
6159564	7339286	1718071	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,57	down	
6590266	7339286	1718076	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,46	down	
6293647	7339286	1718028	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,46	up	
6363228	7339286	1718113	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,44	down	
5632969	7339286	1718073	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,42	down	
6036485	7339286	1718036	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,35	down	
6380233	7339286	1718116	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,30	down	
6066477	7339286	1718028	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,22	up	
5705605	7339286	1718110	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,20	down	
6230043	7339286	1718084	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,16	down	
6205911	7339286	1718055	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,14	down	
6567724	7339286	1718116	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,13	up	
6063812	7339286	1718077	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,12	up	
6078033	7339286	1718033	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,12	up	
5756412	7339286	1718028	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,09	up	

5673002	7339286	1718113	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,07	up
6449170	7339286	1718106	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,07	down
6422448	7339286	1718115	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,05	down
6066759	7339286	1718035	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,04	up
5881258	7339286	1718116	similar to solute carrier family 9 (sodium/hydrogen exchanger), isoform 9	RGD1560736	363115	1,01	down
6559956	7218728	1419929	similar to spatial-delta	RGD1561665	499429	1,35	up
6325878	7218728	1419914	similar to spatial-delta	RGD1561665	499429	1,03	down
5971936	7096680	1118808	similar to speedy B isoform	MGC125213	498146	1,50	up
6399930	7096680	1118810	similar to speedy B isoform	MGC125213	498146	1,38	up
5710950	7096680	1118813	similar to speedy B isoform	MGC125213	498146	1,25	down
5963743	7096680	1118814	similar to speedy B isoform	MGC125213	498146	1,15	up
6353023	7096680	1118808	similar to speedy B isoform	MGC125213	498146	1,12	down
5860996	7096680	1118814	similar to speedy B isoform	MGC125213	498146	1,10	up
6341748	7096680	1118815	similar to speedy B isoform	MGC125213	498146	1,09	up
5892379	7096680	1118815	similar to speedy B isoform	MGC125213	498146	1,08	up
6585707	7096680	1118812	similar to speedy B isoform	MGC125213	498146	1,02	up
6452473	7096680	1118811	similar to speedy B isoform	MGC125213	498146	1,02	down
5702504	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	2,68	up
6595703	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	2,08	down
5858070	7370763	1798116	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,59	up
5891010	7370763	1798114	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,56	down
6416780	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,55	down
5879025	7370763	1798114	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,52	down
6450321	7370763	1798113	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,11	up
5779195	7370853	1798409	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC691712	691712	1,09	down
6252612	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,06	down
6528895	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,05	down
5764271	7370763	1798112	similar to spermatogenesis associated glutamate (E)-rich protein 4d	LOC501307	501307	1,01	down
6238874	7370853	1798416	similar to spermatogenesis associated glutamate (E)-rich protein 4d /// hypothetical protein LOC6917 /// LOC501317 /// 95 /// 501317 /// 68	LOC501307	501307	1,19	up
6187037	7370853	1798408	similar to spermatogenesis associated glutamate (E)-rich protein 4d /// similar to spermatogenesis ass:691712 /// LOC68: 691712 /// 685018	LOC501307	501307	1,00	down
5965826	7337845	1714357	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,75	up
6150534	7337845	1714354	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,43	down
6177725	7337845	1714356	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,34	down
5725202	7337845	1714357	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,33	up
5936997	7337845	1714347	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,26	down
6377287	7337845	1714352	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,19	up
5870948	7337845	1714349	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,19	up
6233057	7337845	1714350	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,06	up
6699376	7337845	1714348	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,03	up
6631122	7337845	1714352	similar to suppressor of hairy wing homolog 4 isoform 1	RGD1560796	315798	1,00	down
5643415	7200996	1378134	similar to T06D8.1a	LOC295528	295528	2,52	up
6448215	7200996	1378140	similar to T06D8.1a	LOC295528	295528	1,60	down
5869389	7200996	1378134	similar to T06D8.1a	LOC295528	295528	1,58	up
6103195	7200996	1378146	similar to T06D8.1a	LOC295528	295528	1,23	down
5622584	7200996	1378149	similar to T06D8.1a	LOC295528	295528	1,22	down
6358324	7200996	1378147	similar to T06D8.1a	LOC295528	295528	1,21	down
6655670	7200996	1378141	similar to T06D8.1a	LOC295528	295528	1,21	down
6547613	7131550	1205564	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	2,32	up
6122086	7131550	1205561	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,78	down
5833289	7131550	1205560	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,70	up
6188778	7131550	1205569	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,30	down
6338149	7131550	1205570	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,09	up
6138153	7131550	1205568	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,08	up
5819768	7131550	1205566	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,06	up
5682574	7131550	1205561	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,06	up
5934451	7131550	1205561	similar to T-cell receptor alpha chain precursor V and C regions (TRA29)	RGD1359684	290071	1,02	up
5826730	7315352	1660333	similar to TIF alpha protein	RGD1561292	500836	2,04	down

5804560	7315352	1660331	similar to TIF alpha protein	RGD1561292	500836	1,35	down
5858683	7315352	1660333	similar to TIF alpha protein	RGD1561292	500836	1,21	up
6588436	7315352	1660330	similar to TIF alpha protein	RGD1561292	500836	1,19	up
6673403	7315352	1660329	similar to TIF alpha protein	RGD1561292	500836	1,11	up
6661639	7315352	1660332	similar to TIF alpha protein	RGD1561292	500836	1,10	down
6270019	7315352	1660334	similar to TIF alpha protein	RGD1561292	500836	1,09	up
6072803	7149994	1250634	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	2,67	up
6728565	7149994	1250638	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	1,45	up
5623085	7149994	1250637	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	1,30	down
6316613	7149994	1250640	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	1,15	down
6334030	7149994	1250639	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	1,12	up
5704268	7149994	1250636	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	1,10	down
6632664	7149994	1250635	similar to TR4 orphan receptor associated protein TRA16	LOC361128	361128	1,05	up
6517072	7043379	993602	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-specific transcription	LOC683733	683733	2,70	up
5676886	7043379	993654	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-specific transcription	LOC683733	683733	1,48	up
6364269	7043379	993654	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-specific transcription	LOC683733	683733	1,30	up
5858212	7043379	993650	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-specific transcription	LOC683733	683733	1,15	down
6040232	7043379	993650	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-specific transcription	LOC683733	683733	1,15	down
6149014	7043379	993651	similar to Transcription factor 7-like 2 (HMG box transcription factor 4) (T-cell-specific transcription	LOC683733	683733	1,08	up
6467423	7258546	1518986	similar to Transmembrane protein 16B	LOC683001	683001	2,06	down
6276051	7258546	1519009	similar to Transmembrane protein 16B	LOC683001	683001	1,64	up
6264981	7258546	1518935	similar to Transmembrane protein 16B	LOC683001	683001	1,61	down
5829705	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,56	down
6266804	7258546	1519002	similar to Transmembrane protein 16B	LOC683001	683001	1,51	up
5618993	7258546	1518950	similar to Transmembrane protein 16B	LOC683001	683001	1,33	down
6410918	7258546	1518949	similar to Transmembrane protein 16B	LOC683001	683001	1,27	up
5979242	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,24	up
6374396	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,18	down
5821330	7258546	1518969	similar to Transmembrane protein 16B	LOC683001	683001	1,17	up
6259724	7258546	1518952	similar to Transmembrane protein 16B	LOC683001	683001	1,14	down
6331940	7258546	1518966	similar to Transmembrane protein 16B	LOC683001	683001	1,13	down
5707673	7258546	1518965	similar to Transmembrane protein 16B	LOC683001	683001	1,10	up
6643210	7258546	1518958	similar to Transmembrane protein 16B	LOC683001	683001	1,08	up
6488958	7258546	1518984	similar to Transmembrane protein 16B	LOC683001	683001	1,08	down
6581510	7258546	1518954	similar to Transmembrane protein 16B	LOC683001	683001	1,06	down
6190855	7258546	1519005	similar to Transmembrane protein 16B	LOC683001	683001	1,06	down
6572122	7258546	1518953	similar to Transmembrane protein 16B	LOC683001	683001	1,05	down
6383372	7258546	1519011	similar to Transmembrane protein 16B	LOC683001	683001	1,05	down
6353992	7258546	1519004	similar to Transmembrane protein 16B	LOC683001	683001	1,04	up
6331919	7258546	1518945	similar to Transmembrane protein 16B	LOC683001	683001	1,03	up
5953127	7258546	1518934	similar to Transmembrane protein 16B	LOC683001	683001	1,01	up
5927970	7258546	1518938	similar to Transmembrane protein 16B	LOC683001	683001	1,01	down
6256067	7258546	1518971	similar to Transmembrane protein 16B	LOC683001	683001	1,01	up
5908094	7258546	1519006	similar to Transmembrane protein 16B	LOC683001	683001	1,00	up
5848088	7173640	1308957	similar to TRS85 homolog	RGD1309102	291750	2,05	down
5654868	7173640	1308978	similar to TRS85 homolog	RGD1309102	291750	1,53	up
6505472	7173640	1308982	similar to TRS85 homolog	RGD1309102	291750	1,48	down
5991399	7173640	1308983	similar to TRS85 homolog	RGD1309102	291750	1,47	down
6220928	7173640	1308984	similar to TRS85 homolog	RGD1309102	291750	1,44	down
6531341	7173640	1308963	similar to TRS85 homolog	RGD1309102	291750	1,37	down
5931232	7173640	1308968	similar to TRS85 homolog	RGD1309102	291750	1,34	up
6505988	7173640	1308955	similar to TRS85 homolog	RGD1309102	291750	1,30	down
5984211	7173640	1308979	similar to TRS85 homolog	RGD1309102	291750	1,29	up
6437752	7173640	1308982	similar to TRS85 homolog	RGD1309102	291750	1,25	down
5896241	7173640	1308948	similar to TRS85 homolog	RGD1309102	291750	1,24	up
6202164	7173640	1308947	similar to TRS85 homolog	RGD1309102	291750	1,24	up
5632653	7173640	1308956	similar to TRS85 homolog	RGD1309102	291750	1,23	up

6070457	7173640	1308986	similar to TRS85 homolog	RGD1309102	291750	1,20	down
5719409	7173640	1308945	similar to TRS85 homolog	RGD1309102	291750	1,18	down
5978788	7173640	1308985	similar to TRS85 homolog	RGD1309102	291750	1,18	down
6736840	7173640	1308944	similar to TRS85 homolog	RGD1309102	291750	1,17	up
5683485	7173640	1308961	similar to TRS85 homolog	RGD1309102	291750	1,17	down
6028084	7173640	1308953	similar to TRS85 homolog	RGD1309102	291750	1,16	down
6429946	7173640	1308962	similar to TRS85 homolog	RGD1309102	291750	1,11	down
5964979	7173640	1308974	similar to TRS85 homolog	RGD1309102	291750	1,09	up
5684522	7173640	1308977	similar to TRS85 homolog	RGD1309102	291750	1,08	up
6310616	7173640	1308961	similar to TRS85 homolog	RGD1309102	291750	1,08	up
6110674	7173640	1308975	similar to TRS85 homolog	RGD1309102	291750	1,07	up
6341972	7173640	1308980	similar to TRS85 homolog	RGD1309102	291750	1,04	up
5716368	7173640	1308954	similar to TRS85 homolog	RGD1309102	291750	1,03	down
6293306	7173640	1308966	similar to TRS85 homolog	RGD1309102	291750	1,03	down
6104949	7173640	1308959	similar to TRS85 homolog	RGD1309102	291750	1,03	down
5639385	7173640	1308957	similar to TRS85 homolog	RGD1309102	291750	1,01	down
6021283	7173640	1308944	similar to TRS85 homolog	RGD1309102	291750	1,01	down
6596291	7173640	1308952	similar to TRS85 homolog	RGD1309102	291750	1,01	up
6292313	7173640	1308960	similar to TRS85 homolog	RGD1309102	291750	1,00	up
5686194	7173640	1308945	similar to TRS85 homolog	RGD1309102	291750	1,00	down
5780948	7269911	1546905	similar to Tubby-related protein 3 (Tubby-like protein 3)	LOC688749	688749	1,13	up
5847012	7269911	1546905	similar to Tubby-related protein 3 (Tubby-like protein 3)	LOC688749	688749	1,03	down
6216368	7058713	1028672	similar to Tumor protein p53 inducible protein 5	RGD1560565	499287	1,79	up
6386886	7058713	1028671	similar to Tumor protein p53 inducible protein 5	RGD1560565	499287	1,18	up
6477086	7058713	1028673	similar to Tumor protein p53 inducible protein 5	RGD1560565	499287	1,07	down
5727836	7121849	1181741	similar to ubiquitin specific protease 34	LOC360990	360990	1,45	down
5662591	7121849	1181729	similar to ubiquitin specific protease 34	LOC360990	360990	1,26	up
6180873	7121849	1181827	similar to ubiquitin specific protease 34	LOC360990	360990	1,26	down
5927226	7121849	1181823	similar to ubiquitin specific protease 34	LOC360990	360990	1,25	down
6359529	7121849	1181732	similar to ubiquitin specific protease 34	LOC360990	360990	1,22	up
6211800	7121849	1181729	similar to ubiquitin specific protease 34	LOC360990	360990	1,21	down
5745729	7121849	1181822	similar to ubiquitin specific protease 34	LOC360990	360990	1,20	down
5907329	7121849	1181828	similar to ubiquitin specific protease 34	LOC360990	360990	1,20	down
6202049	7121849	1181740	similar to ubiquitin specific protease 34	LOC360990	360990	1,20	down
6651472	7121849	1181750	similar to ubiquitin specific protease 34	LOC360990	360990	1,20	down
6365474	7121849	1181752	similar to ubiquitin specific protease 34	LOC360990	360990	1,19	up
6139940	7121849	1181828	similar to ubiquitin specific protease 34	LOC360990	360990	1,17	down
6687878	7121849	1181745	similar to ubiquitin specific protease 34	LOC360990	360990	1,15	up
6453853	7121849	1181743	similar to ubiquitin specific protease 34	LOC360990	360990	1,15	up
6342242	7121849	1181752	similar to ubiquitin specific protease 34	LOC360990	360990	1,13	down
5823419	7121849	1181743	similar to ubiquitin specific protease 34	LOC360990	360990	1,12	up
6449219	7121849	1181744	similar to ubiquitin specific protease 34	LOC360990	360990	1,12	up
6209829	7121849	1181749	similar to ubiquitin specific protease 34	LOC360990	360990	1,12	down
5871341	7121849	1181734	similar to ubiquitin specific protease 34	LOC360990	360990	1,09	up
6366241	7121849	1181751	similar to ubiquitin specific protease 34	LOC360990	360990	1,06	up
5942202	7121849	1181829	similar to ubiquitin specific protease 34	LOC360990	360990	1,06	up
6625297	7121849	1181747	similar to ubiquitin specific protease 34	LOC360990	360990	1,05	down
6166914	7121849	1181826	similar to ubiquitin specific protease 34	LOC360990	360990	1,05	down
5960558	7121849	1181825	similar to ubiquitin specific protease 34	LOC360990	360990	1,04	down
5924407	7121849	1181829	similar to ubiquitin specific protease 34	LOC360990	360990	1,04	up
6217831	7121849	1181746	similar to ubiquitin specific protease 34	LOC360990	360990	1,04	down
6432067	7121849	1181829	similar to ubiquitin specific protease 34	LOC360990	360990	1,03	down
6682792	7121849	1181748	similar to ubiquitin specific protease 34	LOC360990	360990	1,01	up
5866605	7337314	1712899	similar to ubiquitin-associated protein 1	LOC691574	691574	1,17	down
6243338	7337314	1712900	similar to ubiquitin-associated protein 1	LOC691574	691574	1,10	up
6590338	7337314	1712898	similar to ubiquitin-associated protein 1	LOC691574	691574	1,01	up
5975314	7154655	1262317	similar to UPF0308 protein C9orf21	LOC498685	498685	1,69	up

5829452	7154655	1262309	similar to UPF0308 protein C9orf21	LOC498685	498685	1,18	up
6355124	7154655	1262310	similar to UPF0308 protein C9orf21	LOC498685	498685	1,17	up
6313523	7154655	1262312	similar to UPF0308 protein C9orf21	LOC498685	498685	1,16	down
6462734	7154655	1262311	similar to UPF0308 protein C9orf21	LOC498685	498685	1,13	up
6091588	7029081	958910	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	2,05	up
5805338	7029081	958910	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,70	up
6563214	7029081	958893	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,55	down
5701650	7029081	958904	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,48	down
6408917	7029081	958911	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,33	down
5886301	7029081	958888	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,32	up
6275705	7029081	958895	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,32	down
5947181	7029081	958897	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,29	up
6720742	7029081	958899	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,24	down
5887728	7029081	958905	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,21	up
6280346	7029081	958909	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,15	down
6001591	7029081	958904	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,15	up
5745337	7029081	958912	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,10	up
6635621	7029081	958898	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,09	down
5785961	7029081	958907	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,08	up
6242619	7029081	958900	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,07	down
5689295	7029081	958908	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,07	up
5991905	7029081	958908	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,05	down
5839458	7029081	958911	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,01	up
6245961	7029081	958902	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,01	up
6336553	7029081	958894	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,01	down
6548528	7029081	958903	similar to Zinc finger CCCH-type domain containing protein 6	LOC678741	678741	1,00	up
5926083	7228520	1443765	similar to zinc finger protein 650	RGD1565257	311115	2,17	down
6295115	7228520	1443755	similar to zinc finger protein 650	RGD1565257	311115	2,13	up
6133001	7228520	1443766	similar to zinc finger protein 650	RGD1565257	311115	2,06	down
6202993	7228520	1443764	similar to zinc finger protein 650	RGD1565257	311115	1,97	down
6157650	7228520	1443762	similar to zinc finger protein 650	RGD1565257	311115	1,85	down
5941058	7228520	1443769	similar to zinc finger protein 650	RGD1565257	311115	1,75	down
5839274	7228520	1443767	similar to zinc finger protein 650	RGD1565257	311115	1,73	down
6502579	7228520	1443754	similar to zinc finger protein 650	RGD1565257	311115	1,71	up
6535099	7228520	1443748	similar to zinc finger protein 650	RGD1565257	311115	1,64	up
5711872	7228520	1443763	similar to zinc finger protein 650	RGD1565257	311115	1,60	down
6384381	7228520	1443766	similar to zinc finger protein 650	RGD1565257	311115	1,53	down
6583979	7228520	1443768	similar to zinc finger protein 650	RGD1565257	311115	1,53	down
5626692	7228520	1443753	similar to zinc finger protein 650	RGD1565257	311115	1,50	up
6598334	7228520	1443749	similar to zinc finger protein 650	RGD1565257	311115	1,48	up
6261369	7228520	1443747	similar to zinc finger protein 650	RGD1565257	311115	1,48	up
6122642	7228520	1443761	similar to zinc finger protein 650	RGD1565257	311115	1,48	down
5621346	7228520	1443743	similar to zinc finger protein 650	RGD1565257	311115	1,44	up
6197245	7228520	1443752	similar to zinc finger protein 650	RGD1565257	311115	1,42	up
6559348	7228520	1443751	similar to zinc finger protein 650	RGD1565257	311115	1,39	up
5842706	7228520	1443748	similar to zinc finger protein 650	RGD1565257	311115	1,25	up
6087815	7228520	1443747	similar to zinc finger protein 650	RGD1565257	311115	1,23	up
5837746	7228520	1443760	similar to zinc finger protein 650	RGD1565257	311115	1,23	up
6156621	7228520	1443750	similar to zinc finger protein 650	RGD1565257	311115	1,20	up
5999400	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,95	down
5960413	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,84	down
6254452	7333333	1703401	similar to zinc finger protein 75	RGD1565419	500950	1,43	up
5772260	7333333	1703388	similar to zinc finger protein 75	RGD1565419	500950	1,40	down
6312043	7333333	1703397	similar to zinc finger protein 75	RGD1565419	500950	1,27	down
5828470	7333333	1703390	similar to zinc finger protein 75	RGD1565419	500950	1,25	down
5865614	7333333	1703399	similar to zinc finger protein 75	RGD1565419	500950	1,13	up
6288753	7333333	1703400	similar to zinc finger protein 75	RGD1565419	500950	1,10	up

6162467	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,10	down
6414093	7333333	1703391	similar to zinc finger protein 75	RGD1565419	500950	1,07	up
5859354	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,07	up
6038419	7333333	1703400	similar to zinc finger protein 75	RGD1565419	500950	1,07	down
6334003	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,07	down
6689049	7333333	1703398	similar to zinc finger protein 75	RGD1565419	500950	1,07	down
6155843	7333333	1703403	similar to zinc finger protein 75	RGD1565419	500950	1,05	down
5624651	7333333	1703393	similar to zinc finger protein 75	RGD1565419	500950	1,01	down
6712646	7383586	1828434	similar to zinc finger, matrin type 1	RGD1565344	308654	2,13	down
6400944	7383586	1828426	similar to zinc finger, matrin type 1	RGD1565344	308654	1,82	down
6087953	7383586	1828426	similar to zinc finger, matrin type 1	RGD1565344	308654	1,72	down
6430073	7383586	1828431	similar to zinc finger, matrin type 1	RGD1565344	308654	1,61	down
6492434	7383586	1828425	similar to zinc finger, matrin type 1	RGD1565344	308654	1,52	up
5729790	7383586	1828425	similar to zinc finger, matrin type 1	RGD1565344	308654	1,49	down
5701286	7383586	1828436	similar to zinc finger, matrin type 1	RGD1565344	308654	1,20	up
6670305	7383586	1828433	similar to zinc finger, matrin type 1	RGD1565344	308654	1,19	down
5889927	7383586	1828425	similar to zinc finger, matrin type 1	RGD1565344	308654	1,14	down
6028962	7383586	1828432	similar to zinc finger, matrin type 1	RGD1565344	308654	1,01	up
5849892	7224789	1434071	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	2,17	down
6360578	7224789	1434069	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	1,53	up
5621388	7224789	1434068	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	1,18	up
5899582	7224789	1434067	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	1,07	up
6663741	7224789	1434072	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	1,05	up
6052702	7224789	1434074	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	1,04	down
6727373	7224789	1434073	similar to zinc finger, ZZ domain containing 3	LOC310958	310958	1,01	up
6130907	7336579	1710984	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	2,49	down
6630452	7336579	1710990	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,75	down
6541992	7336579	1710997	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,64	up
6272389	7336579	1711007	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,44	up
5722144	7336579	1711007	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,41	down
6537349	7336579	1710992	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,40	down
6609423	7336579	1710992	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,39	down
6510967	7336579	1710987	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,37	down
6288389	7336579	1710999	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,37	down
6011405	7336579	1711000	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,34	up
6517364	7336579	1710993	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,30	up
6248836	7336579	1710986	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,29	down
6511558	7336579	1710995	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,25	up
6376071	7336579	1711005	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,23	up
6022597	7336579	1711001	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,21	up
6436263	7336579	1710992	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,19	up
5965278	7336579	1710994	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,18	up
6307788	7336579	1711002	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,16	up
5670918	7336579	1710996	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,15	up
6175404	7336579	1711003	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,15	up
6467934	7336579	1711004	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,14	down
5825196	7336579	1710990	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,12	up
6064295	7336579	1710992	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,09	up
6617837	7336579	1710998	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,06	down
6390655	7336579	1710985	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,05	down
5927366	7336579	1710988	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,03	up
5786701	7336579	1710994	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,03	down
6219540	7336579	1710989	SIN3 homolog A, transcription regulator (yeast)	Sin3a	363067	1,01	down
6646434	7278050	1568234	single stranded DNA binding protein 3	Ssbp3	84354	2,35	up
6640384	7278050	1568236	single stranded DNA binding protein 3	Ssbp3	84354	1,39	down
5735595	7278050	1568231	single stranded DNA binding protein 3	Ssbp3	84354	1,35	down
6006485	7278050	1568243	single stranded DNA binding protein 3	Ssbp3	84354	1,31	up

5986858	7278050	1568235	single stranded DNA binding protein 3	Ssbp3	84354	1,28	down
5700411	7278050	1568237	single stranded DNA binding protein 3	Ssbp3	84354	1,27	down
6250766	7278050	1568230	single stranded DNA binding protein 3	Ssbp3	84354	1,19	up
6286161	7278050	1568227	single stranded DNA binding protein 3	Ssbp3	84354	1,16	up
6446180	7278050	1568240	single stranded DNA binding protein 3	Ssbp3	84354	1,15	up
5786884	7278050	1568241	single stranded DNA binding protein 3	Ssbp3	84354	1,12	down
6597100	7278050	1568228	single stranded DNA binding protein 3	Ssbp3	84354	1,12	up
6558008	7278050	1568238	single stranded DNA binding protein 3	Ssbp3	84354	1,11	down
6443292	7278050	1568242	single stranded DNA binding protein 3	Ssbp3	84354	1,11	down
6295548	7278050	1568227	single stranded DNA binding protein 3	Ssbp3	84354	1,06	up
6461679	7278050	1568233	single stranded DNA binding protein 3	Ssbp3	84354	1,04	down
6745163	7278050	1568227	single stranded DNA binding protein 3	Ssbp3	84354	1,03	up
6151906	7278050	1568239	single stranded DNA binding protein 3	Ssbp3	84354	1,02	down
6641507	7278050	1568229	single stranded DNA binding protein 3	Ssbp3	84354	1,01	up
6330885	7278050	1568232	single stranded DNA binding protein 3	Ssbp3	84354	1,00	down
5775044	7294738	1608000	SIX homeobox 3	Six3	78974	1,34	up
6204061	7294738	1607999	SIX homeobox 3	Six3	78974	1,15	down
6504811	7307733	1642051	SIX homeobox 4	Six4	299138	1,20	down
6636075	7307733	1642051	SIX homeobox 4	Six4	299138	1,17	down
6613842	7307733	1642048	SIX homeobox 4	Six4	299138	1,13	up
6233129	7307733	1642049	SIX homeobox 4	Six4	299138	1,08	down
5984835	7307733	1642048	SIX homeobox 4	Six4	299138	1,07	down
6611267	7307733	1642052	SIX homeobox 4	Six4	299138	1,02	down
6308751	7029386	959410	SIX homeobox 5	Six5	308406	2,37	down
6181296	7029386	959412	SIX homeobox 5	Six5	308406	1,45	down
5916772	7029386	959410	SIX homeobox 5	Six5	308406	1,28	down
5701797	7029386	959412	SIX homeobox 5	Six5	308406	1,27	down
6696124	7029386	959413	SIX homeobox 5	Six5	308406	1,23	down
6696619	7029386	959410	SIX homeobox 5	Six5	308406	1,11	down
6213342	7029386	959411	SIX homeobox 5	Six5	308406	1,11	up
6206805	7029386	959411	SIX homeobox 5	Six5	308406	1,06	up
5786113	7029386	959413	SIX homeobox 5	Six5	308406	1,06	up
5847698	7029386	959413	SIX homeobox 5	Six5	308406	1,03	down
6298846	7029386	959412	SIX homeobox 5	Six5	308406	1,00	down
6681587	7250511	1498637	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	2,81	down
6108724	7250511	1498631	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,95	down
6310205	7250511	1498638	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,95	down
6574157	7250511	1498643	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,70	down
6080540	7250511	1498639	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,66	down
6518795	7250511	1498642	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,61	down
5681306	7250511	1498643	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,33	up
5700710	7250511	1498644	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,23	down
6336124	7250511	1498643	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,19	up
6238262	7250511	1498642	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,11	down
6381541	7250511	1498631	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,08	up
5669673	7250511	1498638	six transmembrane epithelial antigen of the prostate 2	Steap2	312052	1,06	down
6551096	7062628	1038080	slit homolog 1 (Drosophila)	Slit1	65047	2,80	up
6577349	7062628	1038079	slit homolog 1 (Drosophila)	Slit1	65047	2,71	up
6691778	7062628	1038080	slit homolog 1 (Drosophila)	Slit1	65047	2,15	up
6321697	7062628	1038103	slit homolog 1 (Drosophila)	Slit1	65047	1,97	down
5653068	7062628	1038081	slit homolog 1 (Drosophila)	Slit1	65047	1,88	up
5839232	7062628	1038092	slit homolog 1 (Drosophila)	Slit1	65047	1,87	up
6682386	7062628	1038100	slit homolog 1 (Drosophila)	Slit1	65047	1,75	down
6413193	7062628	1038111	slit homolog 1 (Drosophila)	Slit1	65047	1,74	up
6674373	7062628	1038095	slit homolog 1 (Drosophila)	Slit1	65047	1,73	up
5807274	7062628	1038098	slit homolog 1 (Drosophila)	Slit1	65047	1,71	down
6599994	7062628	1038102	slit homolog 1 (Drosophila)	Slit1	65047	1,70	down

5941958	7062628	1038085	slit homolog 1 (Drosophila)	Slit1	65047	1,56	up
5685253	7062628	1038086	slit homolog 1 (Drosophila)	Slit1	65047	1,53	up
6302731	7062628	1038105	slit homolog 1 (Drosophila)	Slit1	65047	1,50	down
6129985	7062628	1038093	slit homolog 1 (Drosophila)	Slit1	65047	1,47	down
6333878	7062628	1038083	slit homolog 1 (Drosophila)	Slit1	65047	1,46	up
5777527	7062628	1038107	slit homolog 1 (Drosophila)	Slit1	65047	1,46	down
6581993	7062628	1038104	slit homolog 1 (Drosophila)	Slit1	65047	1,45	down
5932574	7062628	1038106	slit homolog 1 (Drosophila)	Slit1	65047	1,41	down
6654266	7062628	1038082	slit homolog 1 (Drosophila)	Slit1	65047	1,39	down
6485781	7062628	1038091	slit homolog 1 (Drosophila)	Slit1	65047	1,38	up
6612543	7062628	1038096	slit homolog 1 (Drosophila)	Slit1	65047	1,37	up
5937549	7062628	1038089	slit homolog 1 (Drosophila)	Slit1	65047	1,30	up
6462561	7062628	1038108	slit homolog 1 (Drosophila)	Slit1	65047	1,30	up
5656728	7062628	1038080	slit homolog 1 (Drosophila)	Slit1	65047	1,28	up
5727905	7062628	1038087	slit homolog 1 (Drosophila)	Slit1	65047	1,27	down
6675367	7062628	1038107	slit homolog 1 (Drosophila)	Slit1	65047	1,26	down
5764765	7062628	1038088	slit homolog 1 (Drosophila)	Slit1	65047	1,24	down
6428077	7062628	1038101	slit homolog 1 (Drosophila)	Slit1	65047	1,23	down
5621481	7062628	1038081	slit homolog 1 (Drosophila)	Slit1	65047	1,22	up
6507017	7062628	1038094	slit homolog 1 (Drosophila)	Slit1	65047	1,20	down
6061998	7062628	1038099	slit homolog 1 (Drosophila)	Slit1	65047	1,19	down
5638152	7062628	1038097	slit homolog 1 (Drosophila)	Slit1	65047	1,19	up
6660296	7062628	1038112	slit homolog 1 (Drosophila)	Slit1	65047	1,17	down
5796880	7062628	1038085	slit homolog 1 (Drosophila)	Slit1	65047	1,14	up
5937518	7062628	1038090	slit homolog 1 (Drosophila)	Slit1	65047	1,12	up
6306693	7062628	1038110	slit homolog 1 (Drosophila)	Slit1	65047	1,11	up
6162870	7062628	1038084	slit homolog 1 (Drosophila)	Slit1	65047	1,04	down
5625302	7062628	1038109	slit homolog 1 (Drosophila)	Slit1	65047	1,03	down
6499972	7110999	1154789	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,90	up
6169647	7110999	1154764	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,51	down
6367614	7110999	1154779	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,51	up
6247013	7110999	1154791	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,48	up
6108607	7110999	1154788	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,47	up
5669857	7110999	1154783	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,46	down
6478339	7110999	1154763	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,43	up
6312320	7110999	1154766	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,40	up
6211256	7110999	1154763	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,39	up
6583934	7110999	1154762	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,34	down
6332281	7110999	1154792	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,31	up
5621779	7110999	1154762	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,30	down
6281713	7110999	1154765	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,28	down
5948795	7110999	1154797	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,28	up
5662933	7110999	1154793	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,27	down
5752680	7110999	1154813	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,24	down
5979950	7110999	1154802	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,20	up
6694770	7110999	1154785	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,20	down
6519378	7110999	1154774	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,16	up
6229274	7110999	1154776	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,14	up
6362345	7110999	1154777	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,07	down
6460605	7110999	1154813	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,05	up
6004742	7110999	1154787	SLIT-ROBO Rho GTPase activating protein 2	Srgap2	360840	1,03	down
6390035	7180236	1325491	SMAD family member 1	Smad1	25671	2,49	down
6608722	7180236	1325495	SMAD family member 1	Smad1	25671	1,52	up
6344606	7180236	1325490	SMAD family member 1	Smad1	25671	1,34	down
6663352	7180236	1325494	SMAD family member 1	Smad1	25671	1,31	up
6609547	7180236	1325489	SMAD family member 1	Smad1	25671	1,25	down
6277058	7180236	1325492	SMAD family member 1	Smad1	25671	1,20	up

5771498	7180236	1325489	SMAD family member 1	Smad1	25671	1,19	down
5675555	7180236	1325493	SMAD family member 1	Smad1	25671	1,18	down
5791966	7180236	1325491	SMAD family member 1	Smad1	25671	1,16	up
6400230	7180236	1325490	SMAD family member 1	Smad1	25671	1,16	up
6274910	7180236	1325489	SMAD family member 1	Smad1	25671	1,05	down
5651645	7346711	1736856	SMAD family member 3	Smad3	25631	2,30	down
6511307	7346711	1736867	SMAD family member 3	Smad3	25631	1,80	up
5924083	7346711	1736869	SMAD family member 3	Smad3	25631	1,77	up
6672587	7346711	1736860	SMAD family member 3	Smad3	25631	1,67	up
6669833	7346711	1736870	SMAD family member 3	Smad3	25631	1,60	down
6143418	7346711	1736856	SMAD family member 3	Smad3	25631	1,48	up
6133269	7346711	1736870	SMAD family member 3	Smad3	25631	1,36	up
5892278	7346711	1736868	SMAD family member 3	Smad3	25631	1,33	up
5733832	7346711	1736859	SMAD family member 3	Smad3	25631	1,32	up
6036693	7346711	1736862	SMAD family member 3	Smad3	25631	1,28	up
6141641	7346711	1736866	SMAD family member 3	Smad3	25631	1,26	down
5645953	7346711	1736855	SMAD family member 3	Smad3	25631	1,24	down
6515797	7346711	1736855	SMAD family member 3	Smad3	25631	1,20	down
6266112	7346711	1736865	SMAD family member 3	Smad3	25631	1,19	up
6720065	7346711	1736857	SMAD family member 3	Smad3	25631	1,16	down
6746921	7346711	1736860	SMAD family member 3	Smad3	25631	1,16	up
6106795	7346711	1736857	SMAD family member 3	Smad3	25631	1,14	up
5993401	7346711	1736863	SMAD family member 3	Smad3	25631	1,14	up
5933537	7346711	1736861	SMAD family member 3	Smad3	25631	1,13	down
6359733	7346711	1736864	SMAD family member 3	Smad3	25631	1,12	up
5900495	7346711	1736855	SMAD family member 3	Smad3	25631	1,08	down
5643881	7346711	1736855	SMAD family member 3	Smad3	25631	1,06	down
6295939	7346711	1736856	SMAD family member 3	Smad3	25631	1,06	down
6421015	7346711	1736858	SMAD family member 3	Smad3	25631	1,05	up
6652449	7346711	1736862	SMAD family member 3	Smad3	25631	1,02	up
5703443	7172144	1305043	SMAD family member 7	Smad7	81516	2,72	up
6681516	7172144	1305044	SMAD family member 7	Smad7	81516	2,14	down
6352200	7172144	1305042	SMAD family member 7	Smad7	81516	1,86	up
6507297	7172144	1305046	SMAD family member 7	Smad7	81516	1,82	up
5802350	7172144	1305043	SMAD family member 7	Smad7	81516	1,49	down
6070373	7172144	1305044	SMAD family member 7	Smad7	81516	1,47	down
6242631	7172144	1305043	SMAD family member 7	Smad7	81516	1,35	up
6171589	7172144	1305043	SMAD family member 7	Smad7	81516	1,34	down
6482456	7172144	1305043	SMAD family member 7	Smad7	81516	1,28	up
6444695	7172144	1305043	SMAD family member 7	Smad7	81516	1,22	down
6051275	7172144	1305043	SMAD family member 7	Smad7	81516	1,19	down
5684272	7172144	1305045	SMAD family member 7	Smad7	81516	1,17	up
6673274	7172144	1305042	SMAD family member 7	Smad7	81516	1,02	up
6124035	7172144	1305047	SMAD family member 7	Smad7	81516	1,01	up
6443452	7194141	1361089	SMAD family member 9	Smad9	85435	2,68	up
6450812	7194141	1361093	SMAD family member 9	Smad9	85435	2,14	up
6285854	7194141	1361089	SMAD family member 9	Smad9	85435	1,99	down
5940372	7194141	1361090	SMAD family member 9	Smad9	85435	1,82	down
6249304	7194141	1361093	SMAD family member 9	Smad9	85435	1,66	up
6588958	7194141	1361092	SMAD family member 9	Smad9	85435	1,57	down
6189848	7194141	1361091	SMAD family member 9	Smad9	85435	1,01	up
6478382	7231834	1452269	small EDRK-rich factor 2	Serf2	502663	1,47	up
5859617	7231834	1452271	small EDRK-rich factor 2	Serf2	502663	1,35	down
5931765	7231834	1452271	small EDRK-rich factor 2	Serf2	502663	1,13	down
6194333	7231834	1452272	small EDRK-rich factor 2	Serf2	502663	1,06	down
5932457	7233298	1456277	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	2,34	up
6467249	7233298	1456280	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,35	down

6609158	7233298	1456278	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,24	up
6562615	7233298	1456275	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,14	up
6489074	7233298	1456281	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,10	up
6372165	7233298	1456276	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,08	down
5634824	7233298	1456281	small nuclear ribonucleoprotein polypeptide B"	Snrpb2	362223	1,04	down
6636731	7309738	1646963	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,46	up
5918285	7309738	1646963	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,27	up
6160274	7309738	1646961	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,19	up
6089482	7309738	1646962	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,16	up
6728313	7309738	1646965	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,12	down
6731003	7309738	1646964	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,06	up
6065640	7309738	1646967	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,06	down
6462756	7309738	1646963	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,05	down
6483372	7309738	1646963	SMEK homolog 1, suppressor of mek1 (Dictyostelium)	Smek1	314388	1,03	up
6158605	7122131	1182667	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	2,67	down
5982224	7122131	1182681	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,43	down
5739867	7122131	1182676	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,34	down
5912628	7122131	1182685	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,25	up
6500070	7122131	1182688	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,21	up
6252717	7122131	1182674	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,18	up
6454831	7122131	1182687	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,18	up
5702698	7122131	1182673	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,17	up
6083665	7122131	1182686	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,15	down
5902907	7122131	1182679	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,12	up
6379073	7122131	1182688	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,11	up
5802188	7122131	1182678	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,07	down
6156479	7122131	1182683	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,06	down
6472746	7122131	1182682	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,02	down
6588466	7122131	1182675	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,01	up
6493431	7122131	1182677	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,01	up
5779830	7122131	1182667	SMEK homolog 2, suppressor of mek1 (Dictyostelium)	Smek2	360993	1,01	down
6043290	7112355	1158090	Smg-7 homolog, nonsense mediated mRNA decay factor (C. elegans)	Smg7	360855	1,26	down
6356048	7079600	1078625	smoothelin-like 2	Smtnl2	679629	1,02	up
6420977	7083533	1087310	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	2,78	up
5705498	7083533	1087329	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,91	down
6270909	7083533	1087306	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,71	up
6711891	7083533	1087306	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,52	down
5700904	7083533	1087314	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,48	up
6034639	7083533	1087329	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,37	up
6690942	7083533	1087330	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,32	down
6092877	7083533	1087329	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,30	down
6043001	7083533	1087327	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,27	down
5698200	7083533	1087317	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,22	up
5760074	7083533	1087307	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,21	down
6737315	7083533	1087326	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,21	up
5650643	7083533	1087306	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,17	down
5955904	7083533	1087309	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,15	up
6697792	7083533	1087312	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,15	up
6647230	7083533	1087328	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,12	down
6109687	7083533	1087324	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,11	up
5636745	7083533	1087313	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,10	up
5782513	7083533	1087315	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,09	up
6462692	7083533	1087318	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,07	down
5830130	7083533	1087320	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,06	down
6090597	7083533	1087323	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,04	down
5746104	7083533	1087306	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,04	up
6435933	7083533	1087311	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,03	up

5878331	7083533	1087325	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,03	down
5877740	7083533	1087321	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,02	up
6232854	7083533	1087319	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,01	up
5640743	7083533	1087306	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,01	up
6175453	7083533	1087322	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,00	up
6467496	7083533	1087316	sodium channel, voltage-gated, type 4, alpha subunit	Scn4a	25722	1,00	down
6696601	7350886	1747140	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	2,29	up
6573453	7350886	1747144	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,54	down
5799617	7350886	1747138	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,52	down
6410781	7350886	1747157	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,48	down
6296805	7350886	1747155	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,43	up
6183604	7350886	1747142	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,41	down
6598591	7350886	1747132	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,37	up
6688315	7350886	1747143	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,34	up
5884590	7350886	1747146	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,34	up
6116360	7350886	1747147	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,24	down
6120506	7350886	1747152	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,24	up
6024601	7350886	1747145	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,24	down
6252046	7350886	1747150	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,22	down
6160092	7350886	1747137	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,20	up
6288286	7350886	1747131	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,18	down
6711046	7350886	1747134	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,15	down
6173637	7350886	1747135	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,15	down
6331223	7350886	1747136	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,15	up
6083347	7350886	1747148	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,12	down
6176532	7350886	1747151	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,07	up
6291110	7350886	1747141	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,05	up
5978640	7350886	1747139	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,05	up
5852994	7350886	1747133	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,04	up
6355507	7350886	1747157	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,04	up
6745121	7350886	1747154	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,04	up
6070622	7350886	1747149	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,03	up
5788201	7350886	1747156	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,03	up
6546595	7350886	1747139	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,02	down
6537059	7350886	1747153	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,02	down
5973263	7350886	1747156	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,00	up
6291091	7350886	1747158	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,00	up
6356521	7350886	1747131	sodium channel, voltage-gated, type 5, alpha subunit	Scn5a	25665	1,00	up
6719842	7320850	1674393	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	2,07	down
6051592	7320850	1674413	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,53	up
5960248	7320850	1674392	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,49	down
5820998	7320850	1674419	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,44	down
6555833	7320850	1674406	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,44	down
6504951	7320850	1674403	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,38	up
5825755	7320850	1674412	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,29	down
6472163	7320850	1674419	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,26	up
6089383	7320850	1674407	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,22	down
5651835	7320850	1674419	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,21	up
5745852	7320850	1674416	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,21	up
6614121	7320850	1674401	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,19	down
6573417	7320850	1674415	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,15	up
6265290	7320850	1674402	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,12	down
6415427	7320850	1674411	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,12	up
6486047	7320850	1674398	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,12	down
5940416	7320850	1674408	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,10	down
5792857	7320850	1674405	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,09	down
6570454	7320850	1674400	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,09	up

6169362	7320850	1674408	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,09	up
6562085	7320850	1674404	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,06	up
5915914	7320850	1674399	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,05	up
6565880	7320850	1674397	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,03	down
6024274	7320850	1674395	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,03	down
5958645	7320850	1674418	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,03	up
6533596	7320850	1674417	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,02	down
6735738	7320850	1674396	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,02	down
6626303	7320850	1674394	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,01	down
6565086	7320850	1674414	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,01	up
6062548	7320850	1674409	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,00	down
5837293	7320850	1674410	sodium channel, voltage-gated, type 8, alpha subunit	Scn8a	29710	1,00	up
6418547	7239756	1473218	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	2,80	up
5797851	7239756	1473222	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,50	down
6134626	7239756	1473218	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,43	down
6013119	7239756	1473215	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,42	up
5966608	7239756	1473225	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,40	down
6048350	7239756	1473207	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,40	up
6722073	7239756	1473227	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,38	down
6084103	7239756	1473225	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,36	down
6568359	7239756	1473221	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,30	down
6040709	7239756	1473202	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,27	down
6476475	7239756	1473219	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,18	down
6128128	7239756	1473229	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,18	up
6585600	7239756	1473204	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,17	up
6626783	7239756	1473227	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,16	down
6572563	7239756	1473205	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,16	up
5981889	7239756	1473226	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,13	up
5644748	7239756	1473217	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,13	down
6507689	7239756	1473216	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,10	up
6716109	7239756	1473212	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,09	down
6046753	7239756	1473228	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,09	down
5901183	7239756	1473228	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,09	up
6635431	7239756	1473216	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,08	down
6442643	7239756	1473210	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,08	down
6058327	7239756	1473211	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,08	down
5892142	7239756	1473214	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,06	down
6252712	7239756	1473220	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,06	up
6308188	7239756	1473213	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,06	up
6396749	7239756	1473217	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,03	up
6309226	7239756	1473203	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,02	up
6720101	7239756	1473206	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,02	up
6233477	7239756	1473223	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,01	down
6026513	7239756	1473226	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,00	up
6400083	7239756	1473209	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,00	up
6670949	7239756	1473208	sodium channel, voltage-gated, type I, alpha	Scn1a	81574	1,00	up
5955168	7239756	1473214	sodium channel, voltage-gated, type I, alpha /// sodium channel, voltage-gated, type III, alpha	Scn1a /// Scn3a	81574 /// 497770	1,79	down
5662097	7239756	1473220	sodium channel, voltage-gated, type I, alpha /// sodium channel, voltage-gated, type III, alpha	Scn1a /// Scn3a	81574 /// 497770	1,50	down
5684008	7239756	1473224	sodium channel, voltage-gated, type I, alpha /// sodium channel, voltage-gated, type III, alpha	Scn1a /// Scn3a	81574 /// 497770	1,09	up
5984280	7228160	1442872	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	2,05	down
6203092	7228160	1442861	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,80	up
6664722	7228160	1442863	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,75	up
6358735	7228160	1442858	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,60	up
5804570	7228160	1442864	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,56	up
6718868	7228160	1442848	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,55	down
6178583	7228160	1442858	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,40	down
5955445	7228160	1442874	sodium channel, voltage-gated, type II, alpha I	Scn2a1	24766	1,39	down

5913237	7228160	1442869	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,34	up
6357608	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,34	up
6349426	7228160	1442849	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,33	up
6570082	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,29	up
5817317	7228160	1442873	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,28	up
5995824	7228160	1442856	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,26	up
5907729	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,26	down
6576638	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,26	down
6713204	7228160	1442860	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,24	up
5840955	7228160	1442848	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,23	down
5693809	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,22	up
6090413	7228160	1442866	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,22	down
6121362	7228160	1442848	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,20	down
6059801	7228160	1442850	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,20	down
5773914	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,20	down
5674136	7228160	1442851	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,19	down
5932769	7228160	1442868	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,17	down
6576008	7228160	1442850	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,16	down
6030204	7228160	1442852	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,14	up
6399720	7228160	1442859	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,14	up
6050790	7228160	1442862	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,12	down
6036947	7228160	1442867	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,12	up
6166385	7228160	1442855	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,10	up
6139237	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,09	down
5722089	7228160	1442854	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,09	down
6347684	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,07	up
5652330	7228160	1442857	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,07	up
5910836	7228160	1442875	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,07	up
6720744	7228160	1442859	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,03	up
6097823	7228160	1442871	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,02	up
6106939	7228160	1442870	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,01	up
6331863	7228160	1442865	sodium channel, voltage-gated, type II, alpha 1	Scn2a1	24766	1,01	up
5626210	7228160	1442853	sodium channel, voltage-gated, type II, alpha 1 /// sodium channel, voltage-gated, type III, alpha	Scn2a1 /// Scn3a	24766 /// 497770	1,16	up
6500469	7228160	1442874	sodium channel, voltage-gated, type III, alpha /// sodium channel, voltage-gated, type II, alpha 1	Scn3a /// Scn2a1	497770 /// 24766	1,91	down
6650217	7228160	1442862	sodium channel, voltage-gated, type III, alpha /// sodium channel, voltage-gated, type II, alpha 1	Scn3a /// Scn2a1	497770 /// 24766	1,59	down
6350683	7228160	1442874	sodium channel, voltage-gated, type III, alpha /// sodium channel, voltage-gated, type II, alpha 1	Scn3a /// Scn2a1	497770 /// 24766	1,01	up
6091053	7239774	1473313	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	2,53	up
6272367	7239774	1473315	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	2,44	down
5847584	7239774	1473319	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	2,25	down
5818296	7239774	1473320	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	2,24	down
6479684	7239774	1473307	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,98	up
6244319	7239774	1473311	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,86	up
6028500	7239774	1473297	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,78	up
6263953	7239774	1473305	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,69	down
6252160	7239774	1473314	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,64	down
5934625	7239774	1473310	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,59	up
6328973	7239774	1473303	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,59	down
5899113	7239774	1473317	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,56	up
5674200	7239774	1473301	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,39	up
6033055	7239774	1473308	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,36	up
6287761	7239774	1473302	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,28	down
6550800	7239774	1473300	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,26	up
6011802	7239774	1473317	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,24	down
5810756	7239774	1473311	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,24	up
6093429	7239774	1473312	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,22	down
6019808	7239774	1473322	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,19	down
6357438	7239774	1473309	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,18	down

6248739	7239774	1473304	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,15	up
6549745	7239774	1473306	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,15	up
5899941	7239774	1473318	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,13	down
6559857	7239774	1473321	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,12	down
6523562	7239774	1473298	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,12	up
6138572	7239774	1473299	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,07	down
6586440	7239774	1473309	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,07	up
6556185	7239774	1473316	sodium channel, voltage-gated, type VII, alpha	Scn7a	64155	1,07	down
5954590	7350894	1747171	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	2,41	down
6646439	7350894	1747179	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,74	down
5809739	7350894	1747189	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,54	up
5873677	7350894	1747166	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,31	up
6077757	7350894	1747193	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,28	down
6348769	7350894	1747192	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,20	up
6084663	7350894	1747167	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,19	up
6101143	7350894	1747188	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,18	down
6119997	7350894	1747184	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,17	up
6608359	7350894	1747176	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,17	up
6373295	7350894	1747178	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,17	up
6472334	7350894	1747187	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,16	up
6687524	7350894	1747180	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,14	down
6337110	7350894	1747186	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,14	up
5696873	7350894	1747183	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,13	down
6433809	7350894	1747191	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,08	down
6660338	7350894	1747194	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,08	down
5866359	7350894	1747182	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,07	up
6563039	7350894	1747168	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,06	down
5758462	7350894	1747181	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,06	down
6255129	7350894	1747177	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,06	down
6240139	7350894	1747175	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,04	down
6337277	7350894	1747190	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,03	down
5949101	7350894	1747174	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,03	up
5700084	7350894	1747170	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,03	down
6203915	7350894	1747173	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,02	up
5656260	7350894	1747183	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,02	down
6438886	7350894	1747169	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,02	up
5956678	7350894	1747172	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,01	up
6718030	7350894	1747185	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,01	down
6469185	7350894	1747193	sodium channel, voltage-gated, type X, alpha subunit	Scn10a	29571	1,00	up
6167495	7142431	1231856	sodium leak channel, non-selective	Nalcn	266760	2,21	down
5700337	7142431	1231877	sodium leak channel, non-selective	Nalcn	266760	1,67	down
6371439	7142431	1231868	sodium leak channel, non-selective	Nalcn	266760	1,56	down
5866945	7142431	1231859	sodium leak channel, non-selective	Nalcn	266760	1,51	down
5960535	7142431	1231849	sodium leak channel, non-selective	Nalcn	266760	1,50	down
6210435	7142431	1231867	sodium leak channel, non-selective	Nalcn	266760	1,34	down
5860957	7142431	1231853	sodium leak channel, non-selective	Nalcn	266760	1,29	up
5961695	7142431	1231847	sodium leak channel, non-selective	Nalcn	266760	1,28	up
6472523	7142431	1231863	sodium leak channel, non-selective	Nalcn	266760	1,27	down
6120152	7142431	1231862	sodium leak channel, non-selective	Nalcn	266760	1,25	up
6088028	7142431	1231858	sodium leak channel, non-selective	Nalcn	266760	1,22	up
5789239	7142431	1231871	sodium leak channel, non-selective	Nalcn	266760	1,22	down
6201529	7142431	1231881	sodium leak channel, non-selective	Nalcn	266760	1,22	down
6101481	7142431	1231869	sodium leak channel, non-selective	Nalcn	266760	1,21	down
6396124	7142431	1231866	sodium leak channel, non-selective	Nalcn	266760	1,20	down
6102965	7142431	1231879	sodium leak channel, non-selective	Nalcn	266760	1,20	up
6665717	7142431	1231854	sodium leak channel, non-selective	Nalcn	266760	1,18	down
6442182	7142431	1231864	sodium leak channel, non-selective	Nalcn	266760	1,17	up

6512650	7142431	1231860	sodium leak channel, non-selective	Nalcn	266760	1,13	up
6357553	7142431	1231846	sodium leak channel, non-selective	Nalcn	266760	1,13	down
5782035	7142431	1231870	sodium leak channel, non-selective	Nalcn	266760	1,12	down
5908233	7142431	1231865	sodium leak channel, non-selective	Nalcn	266760	1,11	up
6439730	7142431	1231851	sodium leak channel, non-selective	Nalcn	266760	1,11	down
6258301	7142431	1231875	sodium leak channel, non-selective	Nalcn	266760	1,11	up
6219483	7142431	1231873	sodium leak channel, non-selective	Nalcn	266760	1,11	down
6235760	7142431	1231848	sodium leak channel, non-selective	Nalcn	266760	1,11	up
6086352	7142431	1231876	sodium leak channel, non-selective	Nalcn	266760	1,10	down
6473662	7142431	1231880	sodium leak channel, non-selective	Nalcn	266760	1,09	up
6299316	7142431	1231852	sodium leak channel, non-selective	Nalcn	266760	1,06	down
5968836	7142431	1231857	sodium leak channel, non-selective	Nalcn	266760	1,04	up
6612405	7142431	1231861	sodium leak channel, non-selective	Nalcn	266760	1,03	up
6049397	7142431	1231872	sodium leak channel, non-selective	Nalcn	266760	1,02	up
5979788	7142431	1231855	sodium leak channel, non-selective	Nalcn	266760	1,02	up
6491689	7142431	1231878	sodium leak channel, non-selective	Nalcn	266760	1,01	up
6608416	7142431	1231850	sodium leak channel, non-selective	Nalcn	266760	1,01	down
6644356	7142431	1231874	sodium leak channel, non-selective	Nalcn	266760	1,00	up
6147280	7230622	1448848	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	2,06	down
5937853	7230622	1448852	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,40	up
6506386	7230622	1448857	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,23	down
6077484	7230622	1448850	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,22	up
6510033	7230622	1448853	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,19	up
6309103	7230622	1448858	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,18	up
5900129	7230622	1448854	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,18	up
6296851	7230622	1448851	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,12	down
6262057	7230622	1448856	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,11	down
6326185	7230622	1448855	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,08	down
6656981	7230622	1448856	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,08	down
6547761	7230622	1448849	solute carrier family 1 (glial high affinity glutamate transporter), member 2	Slc1a2	29482	1,06	up
6543412	7331795	1700116	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	2,45	down
6602821	7331795	1700099	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	2,07	down
6672753	7331795	1700100	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,94	up
5971709	7331795	1700099	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,49	up
6350720	7331795	1700115	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,41	up
5905286	7331795	1700101	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,36	up
5702243	7331795	1700108	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,30	up
6337637	7331795	1700106	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,28	down
6085410	7331795	1700109	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,25	up
5765806	7331795	1700102	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,24	down
6558487	7331795	1700104	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,22	up
6687494	7331795	1700112	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,21	down
6399306	7331795	1700113	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,08	up
6113641	7331795	1700114	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,07	down
6247572	7331795	1700103	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,06	up
6395716	7331795	1700099	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,05	down
6584301	7331795	1700107	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,04	down
6486039	7331795	1700100	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,04	down
6120542	7331795	1700115	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,04	down
6327549	7331795	1700110	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,03	up
6369550	7331795	1700111	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,01	down
6089969	7331795	1700105	solute carrier family 11 (proton-coupled divalent metal ion transporters), member 2	Slc11a2	25715	1,00	up
5833612	7185012	1337906	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	2,73	down
6208382	7185012	1337918	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	2,55	up
5803283	7185012	1337904	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,75	up
5909802	7185012	1337911	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,60	down
5831361	7185012	1337900	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,59	down

6522137	7185012	1337916	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,51	down
5709382	7185012	1337901	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,45	down
6606891	7185012	1337919	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,44	down
5804968	7185012	1337900	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,44	up
6552922	7185012	1337917	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,38	up
6249808	7185012	1337910	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,34	up
5690886	7185012	1337920	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,33	down
6535302	7185012	1337905	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,33	up
5925572	7185012	1337914	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,31	down
6311404	7185012	1337912	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,28	up
6126239	7185012	1337909	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,27	up
6110173	7185012	1337918	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,25	up
6147458	7185012	1337907	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,23	up
6480112	7185012	1337908	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,18	up
5898047	7185012	1337906	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,15	down
5678170	7185012	1337921	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,12	down
6459505	7185012	1337913	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,11	up
6245911	7185012	1337900	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,11	up
5624011	7185012	1337902	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,08	down
5863563	7185012	1337903	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,05	down
6709491	7185012	1337922	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,05	up
6254109	7185012	1337910	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,03	up
6289839	7185012	1337915	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,03	up
5935509	7185012	1337923	solute carrier family 12 (potassium/chloride transporters), member 4	Slc12a4	29501	1,01	down
5656604	7231152	1450259	solute carrier family 12, member 6	Slc12a6	691209	1,70	down
5759681	7231152	1450246	solute carrier family 12, member 6	Slc12a6	691209	1,55	down
6398368	7231152	1450245	solute carrier family 12, member 6	Slc12a6	691209	1,54	down
6624395	7231152	1450248	solute carrier family 12, member 6	Slc12a6	691209	1,49	down
6180644	7231152	1450253	solute carrier family 12, member 6	Slc12a6	691209	1,49	down
5795097	7231152	1450251	solute carrier family 12, member 6	Slc12a6	691209	1,45	down
6518985	7231152	1450258	solute carrier family 12, member 6	Slc12a6	691209	1,44	down
6065891	7231152	1450240	solute carrier family 12, member 6	Slc12a6	691209	1,43	down
6026180	7231152	1450249	solute carrier family 12, member 6	Slc12a6	691209	1,43	down
6096607	7231152	1450238	solute carrier family 12, member 6	Slc12a6	691209	1,41	up
5811046	7231152	1450228	solute carrier family 12, member 6	Slc12a6	691209	1,36	down
5693148	7231152	1450242	solute carrier family 12, member 6	Slc12a6	691209	1,32	down
6211872	7231152	1450245	solute carrier family 12, member 6	Slc12a6	691209	1,31	down
6416351	7231152	1450255	solute carrier family 12, member 6	Slc12a6	691209	1,27	down
5957862	7231152	1450260	solute carrier family 12, member 6	Slc12a6	691209	1,27	down
5917115	7231152	1450241	solute carrier family 12, member 6	Slc12a6	691209	1,25	down
5831342	7231152	1450247	solute carrier family 12, member 6	Slc12a6	691209	1,24	down
6572220	7231152	1450243	solute carrier family 12, member 6	Slc12a6	691209	1,23	down
6685894	7231152	1450252	solute carrier family 12, member 6	Slc12a6	691209	1,20	down
6695104	7231152	1450254	solute carrier family 12, member 6	Slc12a6	691209	1,20	up
5850327	7231152	1450256	solute carrier family 12, member 6	Slc12a6	691209	1,20	down
6670508	7231152	1450257	solute carrier family 12, member 6	Slc12a6	691209	1,19	down
6405995	7231152	1450239	solute carrier family 12, member 6	Slc12a6	691209	1,19	down
5621656	7231152	1450228	solute carrier family 12, member 6	Slc12a6	691209	1,16	down
6593065	7231152	1450249	solute carrier family 12, member 6	Slc12a6	691209	1,15	down
6052675	7231152	1450261	solute carrier family 12, member 6	Slc12a6	691209	1,13	down
6720071	7231152	1450258	solute carrier family 12, member 6	Slc12a6	691209	1,11	down
6123549	7231152	1450244	solute carrier family 12, member 6	Slc12a6	691209	1,07	up
6640753	7221577	1426696	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	2,42	down
5712987	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,63	down
6176738	7221577	1426699	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,35	up
5680307	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,34	up
5988020	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,32	up

6490062	7221577	1426702	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,20	up
5981805	7221577	1426697	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,19	down
6131314	7221577	1426696	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,15	down
6381144	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,12	up
6539219	7221577	1426700	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,08	up
5899649	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,06	up
6545457	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,05	down
6219417	7221577	1426700	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,05	down
5967303	7221577	1426701	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,04	down
5681431	7221577	1426698	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,04	down
6015595	7221577	1426696	solute carrier family 19 (folate transporter), member 1	Slc19a1	29723	1,01	down
6356727	7279020	1570524	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	9,69	down
5630671	7279020	1570524	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	2,35	up
6007677	7279020	1570529	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,49	down
6594222	7279020	1570532	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,26	up
5752585	7279020	1570526	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,22	up
5834936	7279020	1570524	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,18	down
5839359	7279020	1570527	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,17	up
6622915	7279020	1570526	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,15	down
5679473	7279020	1570528	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,13	up
5904241	7279020	1570531	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,13	down
6533472	7279020	1570525	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,13	up
6027800	7279020	1570534	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,10	down
5641095	7279020	1570530	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,05	down
6077109	7279020	1570533	solute carrier family 2 (facilitated glucose transporter), member 1	Slc2a1	24778	1,04	down
5797048	7192700	1357197	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	2,81	up
6745050	7192700	1357189	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	2,26	down
5982753	7192700	1357190	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,70	down
6409080	7192700	1357197	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,61	up
6433153	7192700	1357191	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,30	down
6211450	7192700	1357193	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,28	up
6177400	7192700	1357198	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,18	up
5789368	7192700	1357195	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,17	down
5861619	7192700	1357200	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,16	down
6350948	7192700	1357194	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,14	up
5674169	7192700	1357199	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,12	up
6070558	7192700	1357196	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,10	down
6489641	7192700	1357192	solute carrier family 2 (facilitated glucose transporter), member 2	Slc2a2	25351	1,10	up
6512384	7039417	984179	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	2,03	up
5646007	7039417	984177	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,68	up
5777974	7039417	984173	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,57	down
5852034	7039417	984171	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,46	down
6293637	7039417	984175	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,34	down
6272502	7039417	984181	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,28	down
5739924	7039417	984178	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,21	up
5971099	7039417	984172	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,16	up
5791309	7039417	984182	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,07	down
6540367	7039417	984180	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,05	up
6047802	7039417	984174	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,04	up
5796310	7039417	984176	solute carrier family 22 (organic anion transporter), member 8	Slc22a8	83500	1,00	up
5942565	7138103	1221373	solute carrier family 22, member 17	Slc22a17	305886	2,32	up
6083716	7138103	1221372	solute carrier family 22, member 17	Slc22a17	305886	2,09	up
6430554	7138103	1221363	solute carrier family 22, member 17	Slc22a17	305886	2,08	up
6722075	7138103	1221372	solute carrier family 22, member 17	Slc22a17	305886	1,66	up
6110900	7138103	1221367	solute carrier family 22, member 17	Slc22a17	305886	1,58	down
6358100	7138103	1221369	solute carrier family 22, member 17	Slc22a17	305886	1,49	up
6447814	7138103	1221373	solute carrier family 22, member 17	Slc22a17	305886	1,40	up

6559993	7138103	1221365	solute carrier family 22, member 17	Slc22a17	305886	1,37	down
6107834	7138103	1221364	solute carrier family 22, member 17	Slc22a17	305886	1,29	down
6718961	7138103	1221366	solute carrier family 22, member 17	Slc22a17	305886	1,19	down
5917581	7138103	1221371	solute carrier family 22, member 17	Slc22a17	305886	1,18	up
6254752	7138103	1221368	solute carrier family 22, member 17	Slc22a17	305886	1,15	down
5836134	7138103	1221366	solute carrier family 22, member 17	Slc22a17	305886	1,13	down
5962095	7138103	1221370	solute carrier family 22, member 17	Slc22a17	305886	1,06	down
5767249	7138103	1221372	solute carrier family 22, member 17	Slc22a17	305886	1,06	up
6136764	7138103	1221364	solute carrier family 22, member 17	Slc22a17	305886	1,06	down
5662526	7102483	1133769	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	2,07	down
5752477	7102483	1133763	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,59	up
6732516	7102483	1133755	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,57	down
5714442	7102483	1133757	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,55	up
6596623	7102483	1133761	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,50	up
5647858	7102483	1133769	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,46	up
6512197	7102483	1133755	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,33	down
5835991	7102483	1133764	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,22	down
6479303	7102483	1133766	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,22	up
6053796	7102483	1133756	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,21	down
6018214	7102483	1133765	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,14	down
6532559	7102483	1133768	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,13	down
6253745	7102483	1133760	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,11	up
6111508	7102483	1133759	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,10	down
6107220	7102483	1133765	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,09	up
6712330	7102483	1133762	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,07	down
5620100	7102483	1133758	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,06	down
5894677	7102483	1133767	solute carrier family 24 (sodium/potassium/calcium exchanger), member 6	Slc24a6	498185	1,06	down
6591037	7232069	1452949	solute carrier family 24, member 5	Slc24a5	311387	2,40	up
5793976	7232069	1452947	solute carrier family 24, member 5	Slc24a5	311387	2,30	down
6009778	7232069	1452945	solute carrier family 24, member 5	Slc24a5	311387	1,44	down
6288770	7232069	1452940	solute carrier family 24, member 5	Slc24a5	311387	1,37	down
5891725	7232069	1452954	solute carrier family 24, member 5	Slc24a5	311387	1,19	down
6559045	7232069	1452953	solute carrier family 24, member 5	Slc24a5	311387	1,14	down
5951826	7232069	1452951	solute carrier family 24, member 5	Slc24a5	311387	1,10	up
6421288	7232069	1452946	solute carrier family 24, member 5	Slc24a5	311387	1,04	up
5813242	7232069	1452945	solute carrier family 24, member 5	Slc24a5	311387	1,00	up
6568672	7198069	1370614	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	2,03	down
6680170	7198069	1370610	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,82	up
5938563	7198069	1370617	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,58	up
6668329	7198069	1370609	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,37	up
5774532	7198069	1370613	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,33	up
5723990	7198069	1370618	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,26	down
6128140	7198069	1370612	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,24	down
6014820	7198069	1370616	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,22	down
6054052	7198069	1370619	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,14	down
6074985	7198069	1370615	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 24	Slc25a24	310791	1,13	down
5651224	7237652	1467258	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	2,00	down
6565929	7237652	1467253	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,34	up
6605565	7237652	1467258	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,33	up
6305500	7237652	1467257	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,24	down
6484468	7237652	1467256	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,19	up
6160454	7237652	1467249	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,16	up
5830534	7237652	1467255	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,14	down
6350039	7237652	1467248	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,11	up
6667764	7237652	1467252	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,08	down
5819898	7237652	1467254	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,03	down
6089518	7237652	1467250	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,02	up

6486041	7237652	1467251	solute carrier family 25 (mitochondrial carrier, phosphate carrier), member 25	Slc25a25	246771	1,02	down
5618815	7147204	1243777	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,44	up
6354049	7147204	1243775	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,40	down
5830129	7147204	1243774	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,31	up
5830503	7147204	1243778	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,29	down
6019907	7147204	1243775	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,24	down
6360211	7147204	1243772	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,21	down
6040419	7147204	1243773	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,15	up
6620962	7147204	1243775	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,12	down
6669208	7147204	1243776	solute carrier family 25 (mitochondrial carrier; ornithine transporter) member 15	Slc25a15	306574	1,08	down
6438585	7367943	1788912	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	2,44	up
6014926	7367943	1788916	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,86	down
5899812	7367943	1788931	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,80	up
5935449	7367943	1788913	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,32	down
5673816	7367943	1788921	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,31	down
5974058	7367943	1788917	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,24	up
6728633	7367943	1788924	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,22	down
6377344	7367943	1788915	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,18	up
6413270	7367943	1788920	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,18	down
6655381	7367943	1788929	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,17	down
5646088	7367943	1788931	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,14	up
6175534	7367943	1788923	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,05	down
5632684	7367943	1788931	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,01	down
5823191	7367943	1788931	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,01	down
6273481	7367943	1788922	solute carrier family 25 (mitochondrial carrier; phosphate carrier), member 23	Slc25a23	301113	1,00	up
5656939	7139658	1224907	solute carrier family 25, member 37	Slc25a37	306000	2,41	down
5737631	7139658	1224906	solute carrier family 25, member 37	Slc25a37	306000	2,38	up
6388340	7139658	1224906	solute carrier family 25, member 37	Slc25a37	306000	1,50	up
5824079	7139658	1224907	solute carrier family 25, member 37	Slc25a37	306000	1,34	down
6558246	7139658	1224905	solute carrier family 25, member 37	Slc25a37	306000	1,18	down
5648184	7139658	1224907	solute carrier family 25, member 37	Slc25a37	306000	1,09	down
5858671	7139658	1224904	solute carrier family 25, member 37	Slc25a37	306000	1,05	up
6517679	7083021	1086216	solute carrier family 25, member 39	Slc25a39	360636	2,32	down
6343022	7083021	1086208	solute carrier family 25, member 39	Slc25a39	360636	1,30	down
5961285	7083021	1086210	solute carrier family 25, member 39	Slc25a39	360636	1,28	down
6650265	7083021	1086217	solute carrier family 25, member 39	Slc25a39	360636	1,26	down
6567952	7083021	1086211	solute carrier family 25, member 39	Slc25a39	360636	1,20	up
5618112	7083021	1086213	solute carrier family 25, member 39	Slc25a39	360636	1,18	down
6588475	7083021	1086214	solute carrier family 25, member 39	Slc25a39	360636	1,10	down
5947729	7083021	1086213	solute carrier family 25, member 39	Slc25a39	360636	1,09	down
5700013	7083021	1086209	solute carrier family 25, member 39	Slc25a39	360636	1,08	down
6340119	7083021	1086218	solute carrier family 25, member 39	Slc25a39	360636	1,08	up
5973820	7083021	1086210	solute carrier family 25, member 39	Slc25a39	360636	1,08	down
6431751	7083021	1086212	solute carrier family 25, member 39	Slc25a39	360636	1,07	up
5915664	7083021	1086215	solute carrier family 25, member 39	Slc25a39	360636	1,06	down
6579050	7083021	1086221	solute carrier family 25, member 39	Slc25a39	360636	1,03	down
6368049	7174114	1310431	solute carrier family 25, member 46	Slc25a46	291709	2,52	up
5817978	7174114	1310439	solute carrier family 25, member 46	Slc25a46	291709	1,52	down
6061181	7174114	1310439	solute carrier family 25, member 46	Slc25a46	291709	1,27	up
5806453	7174114	1310437	solute carrier family 25, member 46	Slc25a46	291709	1,27	down
6507313	7174114	1310438	solute carrier family 25, member 46	Slc25a46	291709	1,18	down
6175405	7174114	1310430	solute carrier family 25, member 46	Slc25a46	291709	1,13	down
5687658	7174114	1310434	solute carrier family 25, member 46	Slc25a46	291709	1,12	down
6634085	7174114	1310436	solute carrier family 25, member 46	Slc25a46	291709	1,10	down
6611177	7174114	1310429	solute carrier family 25, member 46	Slc25a46	291709	1,09	up
5782236	7174114	1310439	solute carrier family 25, member 46	Slc25a46	291709	1,06	down
6195961	7174114	1310429	solute carrier family 25, member 46	Slc25a46	291709	1,05	down

6035155	7176282	1315372	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	2,34	up
6680189	7176282	1315369	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,21	down
6648705	7176282	1315368	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,17	up
6620599	7176282	1315369	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,12	down
6458209	7176282	1315370	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,11	down
6300218	7176282	1315368	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,10	up
6742906	7176282	1315369	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,10	down
6529544	7176282	1315371	solute carrier family 26 (sulfate transporter), member 2	Slc26a2	117267	1,09	down
5760024	7104920	1140055	solute carrier family 26, member 9	Slc26a9	304784	2,29	down
5757934	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	2,14	up
5783601	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	2,02	up
5759924	7104920	1140042	solute carrier family 26, member 9	Slc26a9	304784	1,36	down
6375653	7104920	1140060	solute carrier family 26, member 9	Slc26a9	304784	1,35	down
6348390	7104920	1140069	solute carrier family 26, member 9	Slc26a9	304784	1,22	up
6475087	7104920	1140062	solute carrier family 26, member 9	Slc26a9	304784	1,22	down
6554785	7104920	1140065	solute carrier family 26, member 9	Slc26a9	304784	1,22	up
6273113	7104920	1140068	solute carrier family 26, member 9	Slc26a9	304784	1,20	up
6485108	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	1,19	up
6623449	7104920	1140066	solute carrier family 26, member 9	Slc26a9	304784	1,17	down
6617741	7104920	1140054	solute carrier family 26, member 9	Slc26a9	304784	1,16	down
6301592	7104920	1140057	solute carrier family 26, member 9	Slc26a9	304784	1,15	down
6746493	7104920	1140053	solute carrier family 26, member 9	Slc26a9	304784	1,14	up
6569712	7104920	1140063	solute carrier family 26, member 9	Slc26a9	304784	1,12	up
6346936	7104920	1140070	solute carrier family 26, member 9	Slc26a9	304784	1,09	down
6515415	7104920	1140048	solute carrier family 26, member 9	Slc26a9	304784	1,08	up
6077080	7104920	1140061	solute carrier family 26, member 9	Slc26a9	304784	1,08	down
5893299	7104920	1140058	solute carrier family 26, member 9	Slc26a9	304784	1,08	down
5642552	7104920	1140067	solute carrier family 26, member 9	Slc26a9	304784	1,05	up
6452214	7104920	1140059	solute carrier family 26, member 9	Slc26a9	304784	1,04	down
6478703	7104920	1140056	solute carrier family 26, member 9	Slc26a9	304784	1,02	down
6031498	7104920	1140052	solute carrier family 26, member 9	Slc26a9	304784	1,02	down
6068256	7104920	1140064	solute carrier family 26, member 9	Slc26a9	304784	1,00	down
6121866	7244077	1483429	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	2,21	down
5874866	7244077	1483436	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	2,02	down
6051550	7244077	1483433	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,81	down
6066490	7244077	1483420	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,69	up
5656011	7244077	1483435	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,58	up
5793026	7244077	1483421	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,55	up
6485048	7244077	1483422	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,52	up
5846732	7244077	1483425	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,50	down
6551301	7244077	1483432	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,48	down
6616112	7244077	1483427	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,40	down
5750548	7244077	1483434	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,36	down
6705619	7244077	1483424	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,18	down
6551800	7244077	1483437	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,17	up
5978380	7244077	1483430	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,15	down
6522782	7244077	1483423	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,15	up
6186315	7244077	1483428	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,15	down
5648247	7244077	1483426	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,07	down
5834386	7244077	1483431	solute carrier family 28 (sodium-coupled nucleoside transporter), member 2	Slc28a2	60423	1,01	down
5787957	7352119	1750265	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	2,02	down
6580159	7352119	1750269	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,57	down
6329794	7352119	1750276	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,50	up
5618715	7352119	1750264	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,39	up
5635525	7352119	1750277	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,22	down
6529114	7352119	1750275	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,21	down
6513921	7352119	1750274	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,20	down

6453535	7352119	1750276	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,19	down
6583266	7352119	1750268	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,13	down
6458753	7352119	1750268	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,12	down
5702578	7352119	1750267	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,11	up
6038491	7352119	1750273	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,10	up
5664651	7352119	1750272	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,08	up
6423957	7352119	1750270	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,05	down
5693311	7352119	1750266	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,05	up
6609082	7352119	1750266	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,03	down
6735167	7352119	1750278	solute carrier family 29 (nucleoside transporters), member 1	Slc29a1	63997	1,03	up
6172780	7125348	1190086	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,49	down
6577143	7125348	1190089	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,42	down
6216309	7125348	1190077	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,37	down
6296646	7125348	1190076	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,35	down
6574552	7125348	1190092	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,30	down
6017068	7125348	1190100	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,28	up
6295316	7125348	1190081	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,25	down
6304856	7125348	1190082	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,25	down
6541467	7125348	1190079	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,21	down
6044611	7125348	1190079	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,20	down
6577278	7125348	1190083	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,19	up
6290113	7125348	1190085	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,16	down
5708658	7125348	1190088	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,15	down
6399237	7125348	1190090	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,15	down
5840832	7125348	1190078	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,14	down
5796508	7125348	1190091	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,12	up
6276550	7125348	1190100	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,10	up
6309017	7125348	1190080	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,06	down
6297114	7125348	1190084	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,05	up
5722313	7125348	1190079	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,04	down
6489830	7125348	1190095	solute carrier family 30 (zinc transporter), member 9	Slc30a9	498358	1,01	down
6720889	7284901	1584796	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,72	down
5940362	7284901	1584797	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,42	down
6694111	7284901	1584790	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,26	up
6521383	7284901	1584795	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,13	down
5994071	7284901	1584791	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,12	up
6156290	7284901	1584792	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,09	down
5717335	7284901	1584798	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,09	up
6009711	7284901	1584794	solute carrier family 35 (CMP-sialic acid transporter), member A1	Slc35a1	313139	1,05	up
6017682	7336288	1710271	solute carrier family 35, member F2	Slc35f2	300713	1,44	down
6088636	7336288	1710258	solute carrier family 35, member F2	Slc35f2	300713	1,35	up
6716300	7336288	1710258	solute carrier family 35, member F2	Slc35f2	300713	1,28	up
6712475	7336288	1710267	solute carrier family 35, member F2	Slc35f2	300713	1,28	down
6511220	7336288	1710268	solute carrier family 35, member F2	Slc35f2	300713	1,26	down
6261572	7336288	1710269	solute carrier family 35, member F2	Slc35f2	300713	1,22	down
6605548	7336288	1710263	solute carrier family 35, member F2	Slc35f2	300713	1,18	up
5656405	7336288	1710262	solute carrier family 35, member F2	Slc35f2	300713	1,11	down
6531231	7336288	1710269	solute carrier family 35, member F2	Slc35f2	300713	1,08	up
6492910	7336288	1710258	solute carrier family 35, member F2	Slc35f2	300713	1,06	down
6721008	7335481	1708248	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	2,54	up
5740128	7335481	1708239	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	2,19	up
5858301	7335481	1708240	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,65	up
6608265	7335481	1708240	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,23	up
5829918	7335481	1708243	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,12	up
6205509	7335481	1708245	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,10	down
5831404	7335481	1708246	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,10	up
6421438	7335481	1708242	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,08	down

6626207	7335481	1708241	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,05	down
6473840	7335481	1708247	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,01	up
5711600	7335481	1708244	solute carrier family 37 (glucose-6-phosphate transporter), member 4	Slc37a4	29573	1,00	down
6489143	7217487	1416662	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	2,47	up
6520535	7217487	1416669	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,63	down
6573042	7217487	1416669	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,43	up
5622947	7217487	1416656	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,29	up
5693209	7217487	1416660	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,26	down
5703137	7217487	1416661	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,25	down
5783466	7217487	1416653	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,23	up
5674814	7217487	1416665	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,20	up
6551345	7217487	1416652	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,12	down
6608893	7217487	1416664	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,12	down
6663696	7217487	1416658	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,09	down
5661649	7217487	1416653	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,08	down
6238450	7217487	1416659	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,08	down
5729607	7217487	1416666	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,06	up
6522396	7217487	1416670	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,05	down
6330933	7217487	1416671	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,05	up
5854464	7217487	1416668	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,04	down
5951902	7217487	1416655	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,03	up
5692547	7217487	1416657	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,02	up
6609967	7217487	1416654	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,02	up
5635671	7217487	1416667	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,01	down
6108916	7217487	1416663	solute carrier family 37 (glycerol-3-phosphate transporter), member 1	Slc37a1	294321	1,00	up
6154612	7349935	1744865	solute carrier family 38, member 3	Slc38a3	252919	3,23	up
6601227	7349935	1744879	solute carrier family 38, member 3	Slc38a3	252919	2,72	up
5719840	7349935	1744881	solute carrier family 38, member 3	Slc38a3	252919	2,23	up
5664071	7349935	1744882	solute carrier family 38, member 3	Slc38a3	252919	1,96	up
5685296	7349935	1744880	solute carrier family 38, member 3	Slc38a3	252919	1,85	up
6223733	7349935	1744875	solute carrier family 38, member 3	Slc38a3	252919	1,61	down
5885525	7349935	1744866	solute carrier family 38, member 3	Slc38a3	252919	1,52	up
6201700	7349935	1744872	solute carrier family 38, member 3	Slc38a3	252919	1,50	down
6586039	7349935	1744870	solute carrier family 38, member 3	Slc38a3	252919	1,49	down
6074391	7349935	1744874	solute carrier family 38, member 3	Slc38a3	252919	1,34	down
6472916	7349935	1744878	solute carrier family 38, member 3	Slc38a3	252919	1,27	up
6279209	7349935	1744876	solute carrier family 38, member 3	Slc38a3	252919	1,23	down
5855558	7349935	1744871	solute carrier family 38, member 3	Slc38a3	252919	1,21	up
5965221	7349935	1744877	solute carrier family 38, member 3	Slc38a3	252919	1,14	down
5767370	7349935	1744867	solute carrier family 38, member 3	Slc38a3	252919	1,10	down
5791509	7349935	1744869	solute carrier family 38, member 3	Slc38a3	252919	1,08	down
6679443	7349935	1744873	solute carrier family 38, member 3	Slc38a3	252919	1,08	down
6522923	7349935	1744875	solute carrier family 38, member 3	Slc38a3	252919	1,07	up
6262105	7349935	1744868	solute carrier family 38, member 3	Slc38a3	252919	1,05	down
6121905	7379840	1820454	solute carrier family 38, member 5	Slc38a5	192208	2,91	up
6642797	7379840	1820452	solute carrier family 38, member 5	Slc38a5	192208	1,71	down
6678957	7379840	1820453	solute carrier family 38, member 5	Slc38a5	192208	1,57	down
6241788	7379840	1820448	solute carrier family 38, member 5	Slc38a5	192208	1,53	up
6290394	7379840	1820443	solute carrier family 38, member 5	Slc38a5	192208	1,43	up
5712700	7379840	1820447	solute carrier family 38, member 5	Slc38a5	192208	1,40	up
5894701	7379840	1820449	solute carrier family 38, member 5	Slc38a5	192208	1,30	down
5691662	7379840	1820445	solute carrier family 38, member 5	Slc38a5	192208	1,24	down
6446744	7379840	1820444	solute carrier family 38, member 5	Slc38a5	192208	1,22	down
5998426	7379840	1820446	solute carrier family 38, member 5	Slc38a5	192208	1,20	up
5976239	7379840	1820440	solute carrier family 38, member 5	Slc38a5	192208	1,19	down
5987273	7379840	1820447	solute carrier family 38, member 5	Slc38a5	192208	1,18	down
5797129	7379840	1820442	solute carrier family 38, member 5	Slc38a5	192208	1,15	down

6239074	7379840	1820439	solute carrier family 38, member 5	Slc38a5	192208	1,12	down
5809624	7379840	1820450	solute carrier family 38, member 5	Slc38a5	192208	1,11	up
6456827	7379840	1820451	solute carrier family 38, member 5	Slc38a5	192208	1,07	down
5893373	7379840	1820441	solute carrier family 38, member 5	Slc38a5	192208	1,04	up
6741326	7379840	1820438	solute carrier family 38, member 5	Slc38a5	192208	1,02	down
6225040	7189669	1348965	solute carrier family 38, member 9	Slc38a9	310091	2,17	down
6189122	7189669	1348989	solute carrier family 38, member 9	Slc38a9	310091	2,01	up
6645875	7189669	1348973	solute carrier family 38, member 9	Slc38a9	310091	1,69	up
6221941	7189669	1348977	solute carrier family 38, member 9	Slc38a9	310091	1,50	down
6475271	7189669	1348982	solute carrier family 38, member 9	Slc38a9	310091	1,47	up
5922942	7189669	1348979	solute carrier family 38, member 9	Slc38a9	310091	1,43	up
6396159	7189669	1348990	solute carrier family 38, member 9	Slc38a9	310091	1,33	down
6048261	7189669	1348984	solute carrier family 38, member 9	Slc38a9	310091	1,29	up
6072665	7189669	1348992	solute carrier family 38, member 9	Slc38a9	310091	1,23	up
5618628	7189669	1348975	solute carrier family 38, member 9	Slc38a9	310091	1,15	down
5983594	7189669	1348985	solute carrier family 38, member 9	Slc38a9	310091	1,15	down
5872182	7189669	1348977	solute carrier family 38, member 9	Slc38a9	310091	1,12	up
6338582	7189669	1348978	solute carrier family 38, member 9	Slc38a9	310091	1,11	down
5926578	7189669	1348976	solute carrier family 38, member 9	Slc38a9	310091	1,10	up
5667073	7189669	1348982	solute carrier family 38, member 9	Slc38a9	310091	1,06	up
5618385	7189669	1348991	solute carrier family 38, member 9	Slc38a9	310091	1,04	up
6515839	7260501	1523972	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	2,50	up
5834056	7260501	1523973	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	2,33	up
6015171	7260501	1523950	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,44	up
6393568	7260501	1523970	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,40	up
5868741	7260501	1523960	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,38	up
6563720	7260501	1523957	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,28	up
5956324	7260501	1523962	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,25	up
6573622	7260501	1523958	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,19	down
5852822	7260501	1523964	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,15	up
5647105	7260501	1523965	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,12	down
6668015	7260501	1523952	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,12	up
6399749	7260501	1523961	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,08	up
6674616	7260501	1523956	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,07	down
6067102	7260501	1523972	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,07	up
6520056	7260501	1523955	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,07	down
6489703	7260501	1523971	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,07	up
6169116	7260501	1523959	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,07	down
6374998	7260501	1523951	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,06	down
6660579	7260501	1523969	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,06	down
6013393	7260501	1523968	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,06	up
6714235	7260501	1523963	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,06	down
6181256	7260501	1523953	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,04	up
6567437	7260501	1523964	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,03	up
6649665	7260501	1523954	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,02	down
6418612	7260501	1523966	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,01	up
6077260	7260501	1523967	solute carrier family 4 (anion exchanger), member 2	Slc4a2	24780	1,00	down
6522066	7320812	1674335	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	3,00	down
5980972	7320812	1674336	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,61	up
5977905	7320812	1674326	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,44	up
6435566	7320812	1674343	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,43	down
5787414	7320812	1674339	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,43	down
6711225	7320812	1674330	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,39	down
6198411	7320812	1674342	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,35	up
6576572	7320812	1674345	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,32	up
6521389	7320812	1674338	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,29	up
6030369	7320812	1674337	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,25	down

5759120	7320812	1674347	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,24	up
5656932	7320812	1674327	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,23	up
6464659	7320812	1674329	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,23	up
5959700	7320812	1674328	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,23	up
6627134	7320812	1674336	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,20	down
6456635	7320812	1674331	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,19	up
6315753	7320812	1674332	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,16	down
6119347	7320812	1674346	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,15	down
5676888	7320812	1674340	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,13	down
5821043	7320812	1674333	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,11	down
5882755	7320812	1674344	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,10	up
5892518	7320812	1674334	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,06	down
5618735	7320812	1674326	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,05	up
6659705	7320812	1674331	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,01	up
5726123	7320812	1674341	solute carrier family 4 (anion exchanger), member 8	Slc4a8	315311	1,00	down
5765604	7255463	1511190	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	2,03	down
5652434	7255463	1511195	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	2,01	up
5775072	7255463	1511184	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,66	up
5652135	7255463	1511202	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,65	down
6062843	7255463	1511210	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,59	up
6038803	7255463	1511186	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,49	down
6569759	7255463	1511188	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,48	up
5896682	7255463	1511196	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,46	up
5852471	7255463	1511201	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,44	down
6048788	7255463	1511197	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,40	up
6659501	7255463	1511206	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,39	down
5850127	7255463	1511199	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,34	down
6476415	7255463	1511189	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,25	down
6261308	7255463	1511208	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,20	up
6148193	7255463	1511205	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,19	down
6193950	7255463	1511211	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,17	down
6276957	7255463	1511195	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,16	up
6684365	7255463	1511185	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,16	up
5885866	7255463	1511187	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,15	up
6042378	7255463	1511211	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,10	up
6363557	7255463	1511200	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,09	up
6627137	7255463	1511198	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,08	down
6280595	7255463	1511209	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,07	up
6472870	7255463	1511204	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,05	down
6174709	7255463	1511194	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,05	down
6287652	7255463	1511195	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,05	down
6558974	7255463	1511192	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,05	up
6665706	7255463	1511193	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,03	down
6119106	7255463	1511207	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,02	down
6498464	7255463	1511203	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,01	up
6433495	7255463	1511191	solute carrier family 4, sodium bicarbonate cotransporter, member 5	Slc4a5	297386	1,00	up
6454966	7136592	1217580	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	2,38	up
6156865	7136592	1217570	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,85	down
6440183	7136592	1217575	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,70	down
5634849	7136592	1217571	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,40	down
6684505	7136592	1217561	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,35	down
5651229	7136592	1217568	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,29	down
5761953	7136592	1217569	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,28	down
6687388	7136592	1217576	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,26	up
6156126	7136592	1217572	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,25	up
6499099	7136592	1217570	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,19	down
6602871	7136592	1217582	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,18	up

5710748	7136592	1217574	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,16	up
6537862	7136592	1217581	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,16	up
6515828	7136592	1217572	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,15	up
6502083	7136592	1217575	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,15	up
5795813	7136592	1217560	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,14	up
6057977	7136592	1217572	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,13	down
6510433	7136592	1217567	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,13	down
5991056	7136592	1217566	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,13	up
6457570	7136592	1217564	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,13	down
6409131	7136592	1217577	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,11	up
6212088	7136592	1217569	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,11	down
6571841	7136592	1217579	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,11	up
5651580	7136592	1217580	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,11	up
6110823	7136592	1217580	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,11	up
6189601	7136592	1217584	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,09	down
5658729	7136592	1217563	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,09	down
6029070	7136592	1217585	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,07	down
6462944	7136592	1217583	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,06	down
6261705	7136592	1217578	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,06	up
6638329	7136592	1217573	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,05	down
5959582	7136592	1217564	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,03	up
5650831	7136592	1217581	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,02	down
5858552	7136592	1217562	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,00	down
5890110	7136592	1217565	solute carrier family 4, sodium bicarbonate cotransporter, member 7	Slc4a7	117955	1,00	down
6735096	7169367	1298055	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	2,09	up
6639377	7169367	1298053	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	2,05	up
5889778	7169367	1298050	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,54	up
5895373	7169367	1298046	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,54	down
5693393	7169367	1298048	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,48	up
5805980	7169367	1298064	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,40	down
6385696	7169367	1298049	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,37	down
6057966	7169367	1298047	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,31	down
5631268	7169367	1298051	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,21	down
5747761	7169367	1298065	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,20	down
6545871	7169367	1298045	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,20	up
5803835	7169367	1298062	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,20	down
6478798	7169367	1298055	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,20	down
6145068	7169367	1298054	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,19	up
6033211	7169367	1298061	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,16	up
5792053	7169367	1298053	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,15	up
6465248	7169367	1298060	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,12	up
6485330	7169367	1298057	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,12	down
5774729	7169367	1298053	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,09	down
6330937	7169367	1298063	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,08	down
6256406	7169367	1298052	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,07	up
6567200	7169367	1298054	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,07	down
5839204	7169367	1298065	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,06	down
6598853	7169367	1298046	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,04	down
6431614	7169367	1298059	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,02	down
5646029	7169367	1298058	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,01	down
5635711	7169367	1298056	solute carrier family 4, sodium bicarbonate cotransporter, member 9	Slc4a9	266612	1,01	down
5922278	7227986	1442419	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	2,05	down
5952187	7227986	1442400	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	2,04	down
6537466	7227986	1442404	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,85	down
5733278	7227986	1442402	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,71	up
6461641	7227986	1442400	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,69	down
6506496	7227986	1442405	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,66	down

5646515	7227986	1442416	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,60	up
6731404	7227986	1442397	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,58	up
6117807	7227986	1442410	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,46	up
6707594	7227986	1442412	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,42	down
5904705	7227986	1442418	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,37	down
6054930	7227986	1442405	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,34	down
5972191	7227986	1442399	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,34	down
6378886	7227986	1442393	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,27	down
6552036	7227986	1442414	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,26	up
6323340	7227986	1442407	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,25	up
6715124	7227986	1442395	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,25	up
6582175	7227986	1442411	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,21	up
6034358	7227986	1442417	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,21	down
6349794	7227986	1442408	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,17	up
6013443	7227986	1442413	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,17	down
5717908	7227986	1442415	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,16	up
6600283	7227986	1442396	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,16	down
6570328	7227986	1442408	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,14	down
6683501	7227986	1442394	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,14	down
5994112	7227986	1442401	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,11	up
6443592	7227986	1442406	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,10	down
5922132	7227986	1442403	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,08	up
6710933	7227986	1442420	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,07	down
5843305	7227986	1442410	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,03	up
6224647	7227986	1442398	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,02	up
6012144	7227986	1442409	solute carrier family 4, sodium bicarbonate transporter-like, member 10	Slc4a10	295645	1,02	down
6210322	7244936	1485354	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	2,27	up
6054950	7244936	1485359	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	2,03	up
6392795	7244936	1485354	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,98	up
6014885	7244936	1485355	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,98	down
5660510	7244936	1485363	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,86	up
6045885	7244936	1485367	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,80	down
6653803	7244936	1485361	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,68	up
6369372	7244936	1485357	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,63	up
5713235	7244936	1485360	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,60	up
6339850	7244936	1485365	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,59	up
5797531	7244936	1485356	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,55	down
6224665	7244936	1485353	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,21	up
5916471	7244936	1485353	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,18	up
6308161	7244936	1485366	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,16	up
5898458	7244936	1485357	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,04	up
6125381	7244936	1485354	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,01	down
6084834	7244936	1485359	solute carrier family 4, sodium bicarbonate transporter-like, member 11	Slc4a11	311423	1,00	down
6240859	7069727	1055368	solute carrier family 43, member 2	Slc43a2	287532	1,66	down
6507349	7069727	1055348	solute carrier family 43, member 2	Slc43a2	287532	1,41	up
6197045	7069727	1055367	solute carrier family 43, member 2	Slc43a2	287532	1,34	down
5955404	7069727	1055346	solute carrier family 43, member 2	Slc43a2	287532	1,26	up
6443860	7069727	1055367	solute carrier family 43, member 2	Slc43a2	287532	1,22	down
6614004	7069727	1055358	solute carrier family 43, member 2	Slc43a2	287532	1,21	down
6495099	7069727	1055368	solute carrier family 43, member 2	Slc43a2	287532	1,18	down
6707816	7069727	1055351	solute carrier family 43, member 2	Slc43a2	287532	1,16	up
6369434	7069727	1055352	solute carrier family 43, member 2	Slc43a2	287532	1,13	up
5843934	7069727	1055359	solute carrier family 43, member 2	Slc43a2	287532	1,10	up
5652365	7069727	1055354	solute carrier family 43, member 2	Slc43a2	287532	1,08	up
5977598	7069727	1055356	solute carrier family 43, member 2	Slc43a2	287532	1,07	down
6641269	7069727	1055362	solute carrier family 43, member 2	Slc43a2	287532	1,06	down
5699720	7069727	1055357	solute carrier family 43, member 2	Slc43a2	287532	1,05	up

6541589	7069727	1055361	solute carrier family 43, member 2	Slc43a2	287532	1,05	down
6485500	7069727	1055366	solute carrier family 43, member 2	Slc43a2	287532	1,04	down
6184288	7069727	1055348	solute carrier family 43, member 2	Slc43a2	287532	1,01	down
6151587	7213560	1406819	solute carrier family 44, member 3	Slc44a3	295417	2,04	down
6427580	7213560	1406812	solute carrier family 44, member 3	Slc44a3	295417	1,51	up
6396645	7213560	1406816	solute carrier family 44, member 3	Slc44a3	295417	1,40	up
5731155	7213560	1406810	solute carrier family 44, member 3	Slc44a3	295417	1,31	up
6637810	7213560	1406814	solute carrier family 44, member 3	Slc44a3	295417	1,28	up
6218281	7213560	1406820	solute carrier family 44, member 3	Slc44a3	295417	1,20	down
5837328	7213560	1406811	solute carrier family 44, member 3	Slc44a3	295417	1,18	up
6698888	7213560	1406823	solute carrier family 44, member 3	Slc44a3	295417	1,18	down
6720006	7213560	1406819	solute carrier family 44, member 3	Slc44a3	295417	1,16	down
5842248	7213560	1406817	solute carrier family 44, member 3	Slc44a3	295417	1,11	down
6484130	7213560	1406822	solute carrier family 44, member 3	Slc44a3	295417	1,06	down
5640819	7213560	1406821	solute carrier family 44, member 3	Slc44a3	295417	1,02	up
6188314	7213560	1406813	solute carrier family 44, member 3	Slc44a3	295417	1,01	up
6421289	7213560	1406815	solute carrier family 44, member 3	Slc44a3	295417	1,01	up
6328222	7213560	1406818	solute carrier family 44, member 3	Slc44a3	295417	1,00	up
6007895	7220663	1424591	solute carrier family 44, member 4	Slc44a4	294255	2,46	down
6415721	7220663	1424574	solute carrier family 44, member 4	Slc44a4	294255	1,95	down
5823653	7220663	1424580	solute carrier family 44, member 4	Slc44a4	294255	1,58	up
5690521	7220663	1424570	solute carrier family 44, member 4	Slc44a4	294255	1,54	down
5905192	7220663	1424585	solute carrier family 44, member 4	Slc44a4	294255	1,52	down
6273167	7220663	1424587	solute carrier family 44, member 4	Slc44a4	294255	1,51	down
6556236	7220663	1424580	solute carrier family 44, member 4	Slc44a4	294255	1,48	up
6746476	7220663	1424573	solute carrier family 44, member 4	Slc44a4	294255	1,47	down
5941704	7220663	1424576	solute carrier family 44, member 4	Slc44a4	294255	1,42	down
6222094	7220663	1424584	solute carrier family 44, member 4	Slc44a4	294255	1,40	up
6436319	7220663	1424572	solute carrier family 44, member 4	Slc44a4	294255	1,37	down
5713032	7220663	1424581	solute carrier family 44, member 4	Slc44a4	294255	1,35	up
6533635	7220663	1424582	solute carrier family 44, member 4	Slc44a4	294255	1,35	up
6472999	7220663	1424579	solute carrier family 44, member 4	Slc44a4	294255	1,34	up
6672991	7220663	1424588	solute carrier family 44, member 4	Slc44a4	294255	1,24	up
6580035	7220663	1424589	solute carrier family 44, member 4	Slc44a4	294255	1,22	down
6397930	7220663	1424586	solute carrier family 44, member 4	Slc44a4	294255	1,21	up
6293290	7220663	1424571	solute carrier family 44, member 4	Slc44a4	294255	1,16	down
5693497	7220663	1424590	solute carrier family 44, member 4	Slc44a4	294255	1,14	down
6378927	7220663	1424578	solute carrier family 44, member 4	Slc44a4	294255	1,14	down
6267026	7220663	1424577	solute carrier family 44, member 4	Slc44a4	294255	1,11	up
6163452	7220663	1424583	solute carrier family 44, member 4	Slc44a4	294255	1,08	down
6469112	7220663	1424575	solute carrier family 44, member 4	Slc44a4	294255	1,05	up
5789495	7220663	1424579	solute carrier family 44, member 4	Slc44a4	294255	1,05	up
6233802	7220663	1424578	solute carrier family 44, member 4	Slc44a4	294255	1,03	down
5822270	7096380	1118029	solute carrier family 46, member 3	Slc46a3	288454	2,21	up
6458916	7096380	1118031	solute carrier family 46, member 3	Slc46a3	288454	1,76	up
5871700	7096380	1118028	solute carrier family 46, member 3	Slc46a3	288454	1,75	up
5831425	7096380	1118027	solute carrier family 46, member 3	Slc46a3	288454	1,29	down
6256294	7096380	1118031	solute carrier family 46, member 3	Slc46a3	288454	1,18	down
6265469	7096380	1118025	solute carrier family 46, member 3	Slc46a3	288454	1,16	down
5906674	7096380	1118026	solute carrier family 46, member 3	Slc46a3	288454	1,15	up
6524504	7096380	1118030	solute carrier family 46, member 3	Slc46a3	288454	1,15	up
6416272	7258081	1517894	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	2,34	up
6663472	7258081	1517901	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,92	down
6463963	7258081	1517898	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,72	up
6055868	7258081	1517909	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,41	down
6125132	7258081	1517906	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,41	up
5802066	7258081	1517900	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,39	down

6356013	7258081	1517895	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,39	down
6580733	7258081	1517903	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,28	up
6638563	7258081	1517896	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,23	up
6672305	7258081	1517902	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,21	up
6349389	7258081	1517897	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,16	down
5740431	7258081	1517894	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,06	down
6358674	7258081	1517899	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,06	down
6321875	7258081	1517904	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,03	down
6312846	7258081	1517907	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,02	up
5621763	7258081	1517905	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,01	up
5733594	7258081	1517908	solute carrier family 6 (neurotransmitter transporter, betaine/GABA), member 12	Slc6a12	50676	1,00	down
6290778	7257482	1516414	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	2,96	up
6309542	7257482	1516424	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,89	down
5657612	7257482	1516421	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,63	up
5672155	7257482	1516426	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,59	up
5640145	7257482	1516427	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,33	down
5770213	7257482	1516423	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,27	down
6082468	7257482	1516414	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,26	up
5669863	7257482	1516415	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,18	up
6375172	7257482	1516427	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,14	down
6318286	7257482	1516425	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,09	down
6156532	7257482	1516418	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,08	up
6151706	7257482	1516416	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,07	down
6151994	7257482	1516417	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,06	up
6094473	7257482	1516422	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,04	down
5802683	7257482	1516419	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,01	down
5899043	7257482	1516420	solute carrier family 6 (neurotransmitter transporter, GABA), member 11	Slc6a11	79213	1,01	up
6618130	7031844	964958	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	2,06	down
5705120	7031844	964960	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,89	down
6230615	7031844	964955	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,71	up
6643965	7031844	964951	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,67	down
6709384	7031844	964945	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,64	down
5708481	7031844	964949	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,37	up
6643416	7031844	964957	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,27	up
6715660	7031844	964959	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,24	up
6403694	7031844	964952	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,17	up
5878601	7031844	964950	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,17	up
6722319	7031844	964953	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,15	up
6549506	7031844	964946	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,14	down
5968610	7031844	964962	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,13	down
6385466	7031844	964962	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,13	up
6204330	7031844	964961	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,10	up
6240606	7031844	964954	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,08	up
6463596	7031844	964956	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,07	up
5663018	7031844	964947	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,06	up
5785690	7031844	964962	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,04	up
6699178	7031844	964948	solute carrier family 6 (neurotransmitter transporter, glycine), member 5	Slc6a5	171148	1,00	down
6160379	7278898	1570295	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	2,88	down
6164813	7278898	1570295	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	2,15	down
6480123	7278898	1570295	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,71	down
5686380	7278898	1570297	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,65	down
5836225	7278898	1570305	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,39	up
6008589	7278898	1570306	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,27	up
6441315	7278898	1570300	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,24	up
5741278	7278898	1570300	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,24	down
6602276	7278898	1570298	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,21	down
6190122	7278898	1570308	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,14	down

6256574	7278898	1570301	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,08	up
5858399	7278898	1570303	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,06	up
6080169	7278898	1570299	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,02	up
6556364	7278898	1570304	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,02	down
5990376	7278898	1570302	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,01	down
6131288	7278898	1570307	solute carrier family 6 (neurotransmitter transporter, glycine), member 9	Slc6a9	116509	1,00	up
6652552	7080358	1080192	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	2,96	up
5988306	7080358	1080191	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,55	down
6371671	7080358	1080187	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,32	down
6049526	7080358	1080188	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,31	down
6207732	7080358	1080195	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,29	up
6155817	7080358	1080193	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,27	down
6076955	7080358	1080199	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,27	down
6469161	7080358	1080186	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,23	up
5733123	7080358	1080198	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,20	up
6459584	7080358	1080194	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,17	down
5870387	7080358	1080185	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,15	down
6552832	7080358	1080189	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,15	up
6248646	7080358	1080193	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,14	down
6255593	7080358	1080197	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,13	down
5901558	7080358	1080197	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,10	up
5798129	7080358	1080190	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,09	down
6644834	7080358	1080184	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,06	up
6172677	7080358	1080184	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,05	down
6645766	7080358	1080196	solute carrier family 6 (neurotransmitter transporter, serotonin), member 4	Slc6a4	25553	1,02	up
5987397	7026418	952189	solute carrier family 6, member 18	Slc6a18	29323	2,59	down
6328320	7026418	952190	solute carrier family 6, member 18	Slc6a18	29323	1,75	down
5948607	7026418	952182	solute carrier family 6, member 18	Slc6a18	29323	1,52	down
6181425	7026418	952180	solute carrier family 6, member 18	Slc6a18	29323	1,51	up
6294906	7026418	952179	solute carrier family 6, member 18	Slc6a18	29323	1,38	down
5978913	7026418	952188	solute carrier family 6, member 18	Slc6a18	29323	1,28	down
6581404	7026418	952190	solute carrier family 6, member 18	Slc6a18	29323	1,19	down
6712618	7026418	952184	solute carrier family 6, member 18	Slc6a18	29323	1,12	down
6231690	7026418	952181	solute carrier family 6, member 18	Slc6a18	29323	1,07	up
5950939	7026418	952186	solute carrier family 6, member 18	Slc6a18	29323	1,06	up
6097957	7026418	952187	solute carrier family 6, member 18	Slc6a18	29323	1,06	down
5835736	7026418	952185	solute carrier family 6, member 18	Slc6a18	29323	1,06	up
6539817	7026418	952188	solute carrier family 6, member 18	Slc6a18	29323	1,05	up
5930262	7026418	952183	solute carrier family 6, member 18	Slc6a18	29323	1,03	down
5875524	7026418	952181	solute carrier family 6, member 18	Slc6a18	29323	1,02	up
6465166	7026418	952187	solute carrier family 6, member 18	Slc6a18	29323	1,02	down
6724759	7026418	952189	solute carrier family 6, member 18	Slc6a18	29323	1,02	up
6570010	7208330	1395080	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	2,13	down
6316148	7208330	1395084	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,64	up
6277772	7208330	1395092	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,44	down
6211296	7208330	1395096	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,27	up
6440121	7208330	1395085	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,20	up
5719773	7208330	1395079	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,19	down
6097861	7208330	1395080	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,12	down
6425724	7208330	1395087	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,11	up
5697029	7208330	1395093	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,08	up
6587247	7208330	1395083	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,08	down
6237437	7208330	1395091	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,04	up
6122682	7208330	1395097	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,04	up
6264640	7208330	1395098	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,02	down
6367515	7208330	1395086	solute carrier family 7 (cationic amino acid transporter, y+ system), member 11	Slc7a11	310392	1,01	down
5839445	7206144	1390013	solute carrier family 7 (cationic amino acid transporter, y+ system), member 12 /// similar to solute cxc7a12 /// LOC3619 294881 /// 361914			2,79	up

6581809	7206144	1390016	solute carrier family 7 (cationic amino acid transporter, y+ system), member 12 /// similar to solute cxc7a12 /// LOC3619 294881 /// 361914		1,10	up
6598440	7089952	1103318	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,96 up
6625764	7089952	1103318	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,52 down
6413204	7089952	1103318	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,45 down
6458885	7089952	1103319	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,42 down
5908807	7089952	1103317	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,37 down
5696348	7089952	1103319	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,24 up
6592659	7089952	1103318	solute carrier family 7 (cationic amino acid transporter, y+ system), member 4	Slc7a4	303787	1,13 down
6420611	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,92 down
6737289	7180687	1326632	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,44 down
5988609	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,42 up
6246546	7180687	1326634	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,37 up
5933264	7180687	1326629	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,31 down
5948500	7180687	1326631	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,28 up
6713236	7180687	1326627	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,13 down
6081632	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,12 up
6376957	7180687	1326634	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,12 up
5766891	7180687	1326630	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,09 up
6379762	7180687	1326627	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,05 down
6732697	7180687	1326633	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,03 down
6569249	7180687	1326627	solute carrier family 7 (cationic amino acid transporter, y+ system), member 6	Slc7a6	307811	1,03 down
6559810	7302914	1629276	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	2,63 up
6709012	7302914	1629278	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	2,30 up
5910982	7302914	1629271	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,28 down
6287859	7302914	1629277	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,27 up
6148342	7302914	1629273	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,19 up
5642103	7302914	1629272	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,17 up
6614174	7302914	1629270	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,12 down
6135198	7302914	1629274	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,08 up
5804941	7302914	1629277	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,06 down
6110819	7302914	1629275	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,05 down
6012492	7302914	1629270	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,04 down
6469379	7302914	1629277	solute carrier family 8 (sodium/calcium exchanger), member 1	Slc8a1	29715	1,00 down
6567520	7045415	999530	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	2,19 up
6181150	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,55 down
6528204	7045415	999527	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,54 down
6733573	7045415	999530	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,52 up
6172960	7045415	999525	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,34 down
6096024	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,25 down
6040304	7045415	999524	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,24 down
5872057	7045415	999520	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,24 down
5752553	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,18 down
5635122	7045415	999518	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,16 down
6702590	7045415	999516	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,14 down
6126917	7045415	999529	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,13 up
5981710	7045415	999517	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,13 up
6008590	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,11 down
6456408	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,11 down
6740840	7045415	999528	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,10 up
5967271	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,09 up
6196150	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,07 up
5792483	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,06 down
6546233	7045415	999519	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,06 up
6202539	7045415	999522	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,05 up
5666121	7045415	999523	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,05 down
5767286	7045415	999526	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,05 up
5736811	7045415	999521	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,04 up

5881562	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,03	down
5802869	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,03	up
6685485	7045415	999525	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,03	up
6030449	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,02	up
6660599	7045415	999515	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,01	down
6495735	7045415	999514	solute carrier family 9 (sodium/hydrogen exchanger), member 3	Slc9a3	24784	1,00	up
6416068	7073613	1064870	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	Slc9a3r1	59114	2,20	down
6044685	7073613	1064868	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	Slc9a3r1	59114	1,41	down
5799566	7073613	1064872	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	Slc9a3r1	59114	1,40	up
6660078	7073613	1064867	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	Slc9a3r1	59114	1,25	down
5919009	7073613	1064869	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	Slc9a3r1	59114	1,21	up
6431938	7073613	1064871	solute carrier family 9 (sodium/hydrogen exchanger), member 3 regulator 1	Slc9a3r1	59114	1,04	up
6443618	7270891	1549441	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,60	down
6673623	7270891	1549439	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,49	down
6660493	7270891	1549442	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,35	up
6370194	7270891	1549444	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,28	up
5662534	7270891	1549443	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,10	up
6451008	7270891	1549438	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,08	down
6115572	7270891	1549440	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,08	up
6650644	7270891	1549436	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,04	down
5742777	7270891	1549437	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,02	down
6348082	7270891	1549444	solute carrier organic anion transporter family, member 1a1	Slco1a1	50572	1,02	down
5943130	7270891	1549447	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	2,85	up
6012194	7270891	1549445	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	2,00	up
6130409	7270891	1549459	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,79	down
6174606	7270891	1549446	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,62	up
6340572	7270891	1549448	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,48	up
6024980	7270891	1549458	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,36	up
6699871	7270891	1549445	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,32	up
6408678	7270891	1549449	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,27	up
6562829	7270891	1549450	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,26	up
6648649	7270891	1549451	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,25	down
6096451	7270891	1549459	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,19	up
6413408	7270891	1549456	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,10	up
6576079	7270891	1549445	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,09	down
5632159	7270891	1549458	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,07	up
6078068	7270891	1549454	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,03	down
5641361	7270891	1549452	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,03	down
6010555	7270891	1549457	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,02	up
5873290	7270891	1549445	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,02	up
5927451	7270891	1549453	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,02	down
6479781	7270891	1549446	solute carrier organic anion transporter family, member 1a5	Slco1a5	80900	1,01	up
6027512	7270891	1549455	solute carrier organic anion transporter family, member 1a5 /// solute carrier organic anion transporte	Slco1a5 /// Slco1a1	80900 /// 50572	1,36	down
6074766	7339851	1719641	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	2,54	down
5697782	7339851	1719646	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,96	down
6478153	7339851	1719645	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,46	up
6385207	7339851	1719648	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,42	up
5771343	7339851	1719646	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,38	down
6338794	7339851	1719640	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,37	down
5789774	7339851	1719649	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,32	up
5841445	7339851	1719638	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,27	down
6114685	7339851	1719639	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,26	up
5856676	7339851	1719646	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,21	up
6521957	7339851	1719643	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,17	up
5818034	7339851	1719645	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,16	down
5971213	7339851	1719647	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,13	down
6370338	7339851	1719639	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,13	down

5655807	7339851	1719637	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,11	down
5714559	7339851	1719639	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,10	down
5822584	7339851	1719642	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,08	up
6210472	7339851	1719637	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,08	up
6138443	7339851	1719644	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,05	down
5952681	7339851	1719638	solute carrier organic anion transporter family, member 2a1	Slco2a1	24546	1,02	up
6631211	7073458	1064466	somatostatin receptor 2	Sstr2	54305	2,76	up
6394315	7073458	1064467	somatostatin receptor 2	Sstr2	54305	1,96	up
5970158	7073458	1064467	somatostatin receptor 2	Sstr2	54305	1,50	down
6624644	7073458	1064465	somatostatin receptor 2	Sstr2	54305	1,48	up
6009049	7073458	1064466	somatostatin receptor 2	Sstr2	54305	1,45	down
6381683	7073458	1064467	somatostatin receptor 2	Sstr2	54305	1,39	up
5687512	7073458	1064466	somatostatin receptor 2	Sstr2	54305	1,22	down
6600288	7062436	1037665	sorbin and SH3 domain containing 1	Sorbs1	686098	1,69	up
5911026	7062436	1037685	sorbin and SH3 domain containing 1	Sorbs1	686098	1,57	up
6501144	7062436	1037662	sorbin and SH3 domain containing 1	Sorbs1	686098	1,56	down
5768901	7062436	1037693	sorbin and SH3 domain containing 1	Sorbs1	686098	1,55	down
5914411	7062436	1037652	sorbin and SH3 domain containing 1	Sorbs1	686098	1,50	up
5998173	7062436	1037687	sorbin and SH3 domain containing 1	Sorbs1	686098	1,43	down
6110924	7062436	1037661	sorbin and SH3 domain containing 1	Sorbs1	686098	1,41	down
5996367	7062436	1037667	sorbin and SH3 domain containing 1	Sorbs1	686098	1,40	up
5934751	7062436	1037681	sorbin and SH3 domain containing 1	Sorbs1	686098	1,36	up
6489872	7062436	1037701	sorbin and SH3 domain containing 1	Sorbs1	686098	1,31	down
6452579	7062436	1037687	sorbin and SH3 domain containing 1	Sorbs1	686098	1,31	down
5930608	7062436	1037657	sorbin and SH3 domain containing 1	Sorbs1	686098	1,29	up
6626290	7062436	1037660	sorbin and SH3 domain containing 1	Sorbs1	686098	1,28	down
6655638	7062436	1037680	sorbin and SH3 domain containing 1	Sorbs1	686098	1,27	down
5927228	7062436	1037657	sorbin and SH3 domain containing 1	Sorbs1	686098	1,26	down
5661366	7062436	1037690	sorbin and SH3 domain containing 1	Sorbs1	686098	1,24	down
6739220	7062436	1037650	sorbin and SH3 domain containing 1	Sorbs1	686098	1,22	up
6272391	7062436	1037661	sorbin and SH3 domain containing 1	Sorbs1	686098	1,19	down
6091761	7062436	1037663	sorbin and SH3 domain containing 1	Sorbs1	686098	1,19	down
6684644	7062436	1037684	sorbin and SH3 domain containing 1	Sorbs1	686098	1,18	up
5775668	7062436	1037657	sorbin and SH3 domain containing 1	Sorbs1	686098	1,16	up
6410493	7062436	1037692	sorbin and SH3 domain containing 1	Sorbs1	686098	1,15	up
5629803	7062436	1037700	sorbin and SH3 domain containing 1	Sorbs1	686098	1,13	up
5686573	7062436	1037704	sorbin and SH3 domain containing 1	Sorbs1	686098	1,11	down
6119615	7062436	1037693	sorbin and SH3 domain containing 1	Sorbs1	686098	1,10	down
6686505	7062436	1037649	sorbin and SH3 domain containing 1	Sorbs1	686098	1,09	up
6416695	7062436	1037675	sorbin and SH3 domain containing 1	Sorbs1	686098	1,08	up
5976361	7062436	1037672	sorbin and SH3 domain containing 1	Sorbs1	686098	1,07	down
5812012	7062436	1037677	sorbin and SH3 domain containing 1	Sorbs1	686098	1,06	down
6157770	7062436	1037660	sorbin and SH3 domain containing 1	Sorbs1	686098	1,06	down
5848668	7062436	1037679	sorbin and SH3 domain containing 1	Sorbs1	686098	1,06	down
6279791	7062436	1037680	sorbin and SH3 domain containing 1	Sorbs1	686098	1,04	up
6057852	7062436	1037659	sorbin and SH3 domain containing 1	Sorbs1	686098	1,04	down
5965376	7062436	1037676	sorbin and SH3 domain containing 1	Sorbs1	686098	1,02	down
5634952	7062436	1037686	sorbin and SH3 domain containing 1	Sorbs1	686098	1,02	down
6638621	7062436	1037702	sorbin and SH3 domain containing 1	Sorbs1	686098	1,02	down
5697263	7062436	1037649	sorbin and SH3 domain containing 1	Sorbs1	686098	1,00	up
5690288	7198002	1370414	sortilin 1	Sort1	83576	2,19	up
6111959	7198002	1370413	sortilin 1	Sort1	83576	1,75	up
5992838	7198002	1370429	sortilin 1	Sort1	83576	1,50	up
6211586	7198002	1370432	sortilin 1	Sort1	83576	1,48	down
6614776	7198002	1370438	sortilin 1	Sort1	83576	1,42	down
6602529	7198002	1370425	sortilin 1	Sort1	83576	1,35	down
5843373	7198002	1370443	sortilin 1	Sort1	83576	1,32	up

6386073	7198002	1370439	sortilin 1	Sort1	83576	1,28	down
6733557	7198002	1370436	sortilin 1	Sort1	83576	1,26	down
6529738	7198002	1370445	sortilin 1	Sort1	83576	1,24	down
6050720	7198002	1370415	sortilin 1	Sort1	83576	1,22	up
6229853	7198002	1370442	sortilin 1	Sort1	83576	1,21	up
6529350	7198002	1370430	sortilin 1	Sort1	83576	1,19	down
6553230	7198002	1370428	sortilin 1	Sort1	83576	1,19	down
5940265	7198002	1370431	sortilin 1	Sort1	83576	1,15	up
6132475	7198002	1370426	sortilin 1	Sort1	83576	1,14	down
5676744	7198002	1370445	sortilin 1	Sort1	83576	1,10	down
6232530	7198002	1370433	sortilin 1	Sort1	83576	1,08	up
6082579	7198002	1370440	sortilin 1	Sort1	83576	1,08	down
6669894	7198002	1370423	sortilin 1	Sort1	83576	1,07	down
6473551	7198002	1370437	sortilin 1	Sort1	83576	1,07	up
5927195	7198002	1370427	sortilin 1	Sort1	83576	1,05	down
6152909	7198002	1370431	sortilin 1	Sort1	83576	1,04	up
5663521	7198002	1370434	sortilin 1	Sort1	83576	1,03	down
6696153	7344530	1731556	sortilin-related receptor, LDLR class A repeats-containing	Sor11	300652	1,32	down
5967472	7344530	1731557	sortilin-related receptor, LDLR class A repeats-containing	Sor11	300652	1,19	down
5650758	7344530	1731556	sortilin-related receptor, LDLR class A repeats-containing	Sor11	300652	1,07	up
6007793	7344530	1731556	sortilin-related receptor, LDLR class A repeats-containing	Sor11	300652	1,03	down
6529724	7063716	1040125	sortilin-related VPS10 domain containing receptor 1	Sores1	309533	1,82	down
6340835	7063716	1040217	sortilin-related VPS10 domain containing receptor 1	Sores1	309533	1,14	down
6568229	7063716	1040126	sortilin-related VPS10 domain containing receptor 1	Sores1	309533	1,09	down
6261550	7063716	1040126	sortilin-related VPS10 domain containing receptor 1	Sores1	309533	1,05	down
6683986	7063716	1040217	sortilin-related VPS10 domain containing receptor 1	Sores1	309533	1,01	down
5636711	7120039	1177534	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	2,01	up
5984600	7120039	1177522	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,94	down
6651912	7120039	1177547	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,55	down
6744369	7120039	1177535	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,53	down
5979590	7120039	1177552	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,48	up
6649447	7120039	1177529	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,46	down
6022402	7120039	1177453	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,45	up
6010556	7120039	1177551	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,39	up
6208600	7120039	1177552	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,37	down
5894720	7120039	1177541	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,33	down
6074864	7120039	1177528	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,31	down
6526410	7120039	1177488	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,23	down
5971354	7120039	1177519	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,22	up
5800001	7120039	1177531	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,22	down
6196867	7120039	1177540	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,21	down
5620409	7120039	1177515	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,19	up
5808908	7120039	1177533	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,16	down
6594562	7120039	1177530	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,15	up
6449396	7120039	1177544	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,13	down
6403228	7120039	1177524	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,12	down
6433128	7120039	1177521	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,11	down
6065241	7120039	1177453	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,10	down
6721801	7120039	1177549	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,10	up
6575910	7120039	1177527	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,09	down
6715499	7120039	1177520	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,09	up
5689736	7120039	1177542	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,06	down
6668685	7120039	1177469	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,05	up
6664977	7120039	1177545	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,04	up
5754536	7120039	1177543	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,04	up
5965226	7120039	1177538	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,02	up
5963808	7120039	1177543	sortilin-related VPS10 domain containing receptor 2	Sores2	305438	1,02	up

6111635	7346902	1737359	sorting nexin 1	Snx1	84471	2,74	down
5975237	7346902	1737367	sorting nexin 1	Snx1	84471	1,86	down
6633266	7346902	1737369	sorting nexin 1	Snx1	84471	1,42	down
6070100	7346902	1737368	sorting nexin 1	Snx1	84471	1,38	down
6123841	7346902	1737359	sorting nexin 1	Snx1	84471	1,30	up
6733754	7346902	1737361	sorting nexin 1	Snx1	84471	1,29	up
6417188	7346902	1737365	sorting nexin 1	Snx1	84471	1,28	up
6008984	7346902	1737366	sorting nexin 1	Snx1	84471	1,23	up
5827934	7346902	1737362	sorting nexin 1	Snx1	84471	1,15	down
5930408	7346902	1737364	sorting nexin 1	Snx1	84471	1,15	up
6448599	7346902	1737360	sorting nexin 1	Snx1	84471	1,13	down
6577097	7346902	1737372	sorting nexin 1	Snx1	84471	1,06	down
5814074	7346902	1737371	sorting nexin 1	Snx1	84471	1,05	up
6134010	7346902	1737370	sorting nexin 1	Snx1	84471	1,04	down
6427077	7346902	1737373	sorting nexin 1	Snx1	84471	1,03	down
5924690	7346902	1737363	sorting nexin 1	Snx1	84471	1,02	up
6682983	7253707	1506799	sorting nexin 10	Snx10	297096	2,14	up
6058334	7253707	1506797	sorting nexin 10	Snx10	297096	1,81	down
5926109	7253707	1506796	sorting nexin 10	Snx10	297096	1,78	up
5655765	7253707	1506795	sorting nexin 10	Snx10	297096	1,53	down
6322435	7253707	1506799	sorting nexin 10	Snx10	297096	1,40	up
5802907	7253707	1506798	sorting nexin 10	Snx10	297096	1,38	up
6017508	7253707	1506795	sorting nexin 10	Snx10	297096	1,20	up
5818024	7253707	1506794	sorting nexin 10	Snx10	297096	1,09	down
6174326	7081975	1083912	sorting nexin 11	Snx11	303493	2,06	down
6594870	7081975	1083906	sorting nexin 11	Snx11	303493	1,61	up
6012457	7081975	1083906	sorting nexin 11	Snx11	303493	1,44	down
6092859	7081975	1083910	sorting nexin 11	Snx11	303493	1,25	up
5856553	7081975	1083906	sorting nexin 11	Snx11	303493	1,23	up
5656593	7081975	1083907	sorting nexin 11	Snx11	303493	1,21	up
5799340	7081975	1083906	sorting nexin 11	Snx11	303493	1,13	up
6553603	7081975	1083909	sorting nexin 11	Snx11	303493	1,12	down
5783582	7081975	1083908	sorting nexin 11	Snx11	303493	1,10	up
5984142	7081975	1083911	sorting nexin 11	Snx11	303493	1,05	up
5916340	7081975	1083908	sorting nexin 11	Snx11	303493	1,03	down
6404342	7346898	1737339	sorting nexin 22	Snx22	300796	2,67	down
6052177	7346898	1737338	sorting nexin 22	Snx22	300796	1,80	down
6212270	7346898	1737341	sorting nexin 22	Snx22	300796	1,33	up
6136071	7346898	1737343	sorting nexin 22	Snx22	300796	1,25	up
5641277	7346898	1737340	sorting nexin 22	Snx22	300796	1,17	up
5767704	7346898	1737342	sorting nexin 22	Snx22	300796	1,11	down
6417831	7346898	1737338	sorting nexin 22	Snx22	300796	1,07	up
6337423	7049689	1008875	sorting nexin 26	Snx26	361540	2,25	up
5738768	7049689	1008891	sorting nexin 26	Snx26	361540	2,13	down
6652917	7049689	1008884	sorting nexin 26	Snx26	361540	1,71	up
6453396	7049689	1008893	sorting nexin 26	Snx26	361540	1,68	down
5779168	7049689	1008876	sorting nexin 26	Snx26	361540	1,60	up
6016019	7049689	1008876	sorting nexin 26	Snx26	361540	1,59	up
6082024	7049689	1008876	sorting nexin 26	Snx26	361540	1,58	down
5639611	7049689	1008876	sorting nexin 26	Snx26	361540	1,54	up
5688616	7049689	1008878	sorting nexin 26	Snx26	361540	1,46	up
5883829	7049689	1008875	sorting nexin 26	Snx26	361540	1,44	down
5736976	7049689	1008887	sorting nexin 26	Snx26	361540	1,36	down
6497160	7049689	1008888	sorting nexin 26	Snx26	361540	1,31	up
5621039	7049689	1008894	sorting nexin 26	Snx26	361540	1,30	down
5743637	7049689	1008895	sorting nexin 26	Snx26	361540	1,22	down
6717805	7049689	1008897	sorting nexin 26	Snx26	361540	1,20	up

6079561	7049689	1008882	sorting nexin 26	Snx26	361540	1,19	down
5756076	7049689	1008876	sorting nexin 26	Snx26	361540	1,18	down
6293092	7049689	1008873	sorting nexin 26	Snx26	361540	1,17	up
6207341	7049689	1008885	sorting nexin 26	Snx26	361540	1,12	down
5773751	7049689	1008896	sorting nexin 26	Snx26	361540	1,10	up
6442617	7049689	1008889	sorting nexin 26	Snx26	361540	1,09	up
6179637	7049689	1008886	sorting nexin 26	Snx26	361540	1,07	down
5909641	7049689	1008873	sorting nexin 26	Snx26	361540	1,04	up
6496690	7049689	1008877	sorting nexin 26	Snx26	361540	1,04	down
6541968	7049689	1008879	sorting nexin 26	Snx26	361540	1,03	up
6481571	7049689	1008890	sorting nexin 26	Snx26	361540	1,02	down
6614773	7245932	1487794	sorting nexin 5	Snx5	296199	3,89	down
6033191	7245932	1487782	sorting nexin 5	Snx5	296199	1,77	down
6118400	7245932	1487795	sorting nexin 5	Snx5	296199	1,42	down
6065559	7245932	1487780	sorting nexin 5	Snx5	296199	1,36	up
5715181	7245932	1487785	sorting nexin 5	Snx5	296199	1,30	up
5658820	7245932	1487786	sorting nexin 5	Snx5	296199	1,17	down
6606667	7245932	1487781	sorting nexin 5	Snx5	296199	1,15	down
6236357	7245932	1487790	sorting nexin 5	Snx5	296199	1,12	up
5995089	7245932	1487780	sorting nexin 5	Snx5	296199	1,12	up
6376281	7245932	1487784	sorting nexin 5	Snx5	296199	1,10	down
6185629	7245932	1487789	sorting nexin 5	Snx5	296199	1,09	up
5848972	7245932	1487780	sorting nexin 5	Snx5	296199	1,08	down
5968051	7245932	1487783	sorting nexin 5	Snx5	296199	1,04	down
5873310	7245932	1487788	sorting nexin 5	Snx5	296199	1,03	up
6407784	7245932	1487794	sorting nexin 5	Snx5	296199	1,02	down
5639615	7245932	1487791	sorting nexin 5	Snx5	296199	1,02	down
6620508	7245932	1487795	sorting nexin 5	Snx5	296199	1,02	up
5884096	7245932	1487787	sorting nexin 5	Snx5	296199	1,01	up
6602986	7213341	1406265	sorting nexin 7	Snx7	310815	4,35	down
6535998	7213341	1406259	sorting nexin 7	Snx7	310815	2,18	up
5679401	7213341	1406260	sorting nexin 7	Snx7	310815	1,37	up
6306475	7213341	1406257	sorting nexin 7	Snx7	310815	1,36	down
5926111	7213341	1406263	sorting nexin 7	Snx7	310815	1,35	up
6636024	7213341	1406264	sorting nexin 7	Snx7	310815	1,14	up
6062272	7213341	1406258	sorting nexin 7	Snx7	310815	1,14	down
6006907	7213341	1406262	sorting nexin 7	Snx7	310815	1,13	down
6732551	7213341	1406256	sorting nexin 7	Snx7	310815	1,09	up
5743681	7213341	1406261	sorting nexin 7	Snx7	310815	1,03	down
5670593	7096873	1119377	sorting nexin 8	Snx8	288504	2,02	down
6400094	7096873	1119376	sorting nexin 8	Snx8	288504	1,85	up
5798847	7096873	1119386	sorting nexin 8	Snx8	288504	1,77	down
6477407	7096873	1119373	sorting nexin 8	Snx8	288504	1,63	up
5965076	7096873	1119386	sorting nexin 8	Snx8	288504	1,46	down
6366781	7096873	1119372	sorting nexin 8	Snx8	288504	1,39	up
6253315	7096873	1119369	sorting nexin 8	Snx8	288504	1,31	down
5772561	7096873	1119381	sorting nexin 8	Snx8	288504	1,25	up
6419652	7096873	1119386	sorting nexin 8	Snx8	288504	1,20	down
5637422	7096873	1119369	sorting nexin 8	Snx8	288504	1,16	down
6383650	7096873	1119374	sorting nexin 8	Snx8	288504	1,13	up
6423461	7096873	1119386	sorting nexin 8	Snx8	288504	1,11	down
5738120	7096873	1119383	sorting nexin 8	Snx8	288504	1,07	down
6448689	7096873	1119385	sorting nexin 8	Snx8	288504	1,05	down
6339267	7096873	1119375	sorting nexin 8	Snx8	288504	1,04	up
5629642	7096873	1119377	sorting nexin 8	Snx8	288504	1,01	down
5728650	7302445	1628179	Sp8 transcription factor	Sp8	299499	2,01	down
6182147	7302445	1628178	Sp8 transcription factor	Sp8	299499	1,76	up

5932781	7302445	1628180	Sp8 transcription factor	Sp8	299499	1,10	down
5858139	7302445	1628177	Sp8 transcription factor	Sp8	299499	1,07	up
6179225	7302445	1628179	Sp8 transcription factor	Sp8	299499	1,06	down
6510460	7302445	1628178	Sp8 transcription factor	Sp8	299499	1,00	up
6401239	7155286	1263840	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	2,67	up
6047695	7155286	1263907	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,29	up
6639717	7155286	1263908	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,28	down
5641647	7155286	1263905	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,08	down
6545756	7155286	1263906	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,06	down
5670549	7155286	1263903	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 1	Spock1	306759	1,05	up
5893043	7194172	1361155	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	2,07	down
6525107	7194172	1361154	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,99	down
6234306	7194172	1361161	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,74	down
6569294	7194172	1361169	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,71	down
6072918	7194172	1361169	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,69	down
6581548	7194172	1361160	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,45	down
6416923	7194172	1361162	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,37	down
6288053	7194172	1361162	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,36	down
6015769	7194172	1361158	spastic paraplegia 20, spartin (Troyer syndrome) homolog (human)	Spg20	295053	1,31	down
6007706	7181836	1330070	spastic paraplegia 7 homolog (human)	Spg7	353231	2,07	up
6687837	7181836	1330064	spastic paraplegia 7 homolog (human)	Spg7	353231	1,63	up
5947608	7181836	1330062	spastic paraplegia 7 homolog (human)	Spg7	353231	1,47	down
6139743	7181836	1330076	spastic paraplegia 7 homolog (human)	Spg7	353231	1,42	down
6588257	7181836	1330072	spastic paraplegia 7 homolog (human)	Spg7	353231	1,41	up
5792107	7181836	1330077	spastic paraplegia 7 homolog (human)	Spg7	353231	1,31	down
6668201	7181836	1330074	spastic paraplegia 7 homolog (human)	Spg7	353231	1,26	down
6287955	7181836	1330068	spastic paraplegia 7 homolog (human)	Spg7	353231	1,24	down
6730949	7181836	1330069	spastic paraplegia 7 homolog (human)	Spg7	353231	1,22	down
6043201	7181836	1330073	spastic paraplegia 7 homolog (human)	Spg7	353231	1,18	up
6313967	7181836	1330064	spastic paraplegia 7 homolog (human)	Spg7	353231	1,18	up
6650405	7181836	1330063	spastic paraplegia 7 homolog (human)	Spg7	353231	1,13	up
6372131	7181836	1330066	spastic paraplegia 7 homolog (human)	Spg7	353231	1,11	down
6480602	7181836	1330062	spastic paraplegia 7 homolog (human)	Spg7	353231	1,08	up
6738508	7181836	1330075	spastic paraplegia 7 homolog (human)	Spg7	353231	1,07	up
6240905	7181836	1330071	spastic paraplegia 7 homolog (human)	Spg7	353231	1,02	up
5690822	7181836	1330065	spastic paraplegia 7 homolog (human)	Spg7	353231	1,02	down
6178045	7181836	1330067	spastic paraplegia 7 homolog (human)	Spg7	353231	1,02	up
5992976	7303635	1631441	spastin	Spast	362700	2,24	down
6433317	7303635	1631444	spastin	Spast	362700	1,77	down
6487804	7303635	1631459	spastin	Spast	362700	1,42	down
5663090	7303635	1631442	spastin	Spast	362700	1,28	down
6209698	7303635	1631447	spastin	Spast	362700	1,25	down
6320626	7303635	1631441	spastin	Spast	362700	1,23	down
5931981	7303635	1631445	spastin	Spast	362700	1,23	up
6702463	7303635	1631459	spastin	Spast	362700	1,19	up
6235314	7303635	1631443	spastin	Spast	362700	1,17	down
6669531	7303635	1631446	spastin	Spast	362700	1,15	up
6219537	7303635	1631457	spastin	Spast	362700	1,11	up
6695736	7303635	1631454	spastin	Spast	362700	1,08	up
6135884	7303635	1631459	spastin	Spast	362700	1,07	up
5834155	7303635	1631454	spastin	Spast	362700	1,07	up
6519371	7303635	1631450	spastin	Spast	362700	1,07	down
6029682	7303635	1631441	spastin	Spast	362700	1,06	up
6375593	7303635	1631448	spastin	Spast	362700	1,06	up
5704840	7303635	1631453	spastin	Spast	362700	1,04	up
6164068	7303635	1631452	spastin	Spast	362700	1,03	down
6416387	7303635	1631449	spastin	Spast	362700	1,02	down

6270793	7303635	1631456	spastin	Spast	362700	1,02	down
5807834	7221855	1427256	SPECC1-like	Specc11	361828	1,57	down
5824211	7221855	1427251	SPECC1-like	Specc11	361828	1,46	down
6207316	7221855	1427234	SPECC1-like	Specc11	361828	1,40	up
6363580	7221855	1427232	SPECC1-like	Specc11	361828	1,38	up
6212106	7221855	1427242	SPECC1-like	Specc11	361828	1,36	up
6173566	7221855	1427223	SPECC1-like	Specc11	361828	1,35	up
5896707	7221855	1427236	SPECC1-like	Specc11	361828	1,30	down
6040625	7221855	1427243	SPECC1-like	Specc11	361828	1,26	up
5792548	7221855	1427246	SPECC1-like	Specc11	361828	1,20	down
6100813	7221855	1427223	SPECC1-like	Specc11	361828	1,19	up
6653079	7221855	1427249	SPECC1-like	Specc11	361828	1,19	down
5622599	7221855	1427225	SPECC1-like	Specc11	361828	1,17	up
6116127	7221855	1427244	SPECC1-like	Specc11	361828	1,14	up
6405473	7221855	1427250	SPECC1-like	Specc11	361828	1,13	up
5948609	7221855	1427250	SPECC1-like	Specc11	361828	1,12	up
6256571	7221855	1427224	SPECC1-like	Specc11	361828	1,12	up
6288415	7221855	1427250	SPECC1-like	Specc11	361828	1,11	up
6668420	7221855	1427236	SPECC1-like	Specc11	361828	1,10	up
5701468	7221855	1427252	SPECC1-like	Specc11	361828	1,08	down
6015900	7221855	1427241	SPECC1-like	Specc11	361828	1,06	down
6351724	7045859	1000517	spectrin repeat containing, nuclear envelope 1	Syne1	499010	2,44	up
5664900	7045772	1000366	spectrin repeat containing, nuclear envelope 1	Syne1	499010	2,04	up
6448522	7045772	1000350	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,93	down
6249935	7045772	1000345	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,69	up
6212852	7045859	1000527	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,62	down
6077469	7045772	1000347	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,62	up
6233005	7045772	1000397	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,61	down
6299800	7045859	1000516	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,61	up
5750611	7045772	1000383	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,60	down
6128418	7045859	1000517	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,56	up
6348829	7045772	1000374	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,55	down
6205575	7045772	1000355	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,54	up
6294980	7045772	1000367	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,53	up
5823147	7045772	1000359	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,49	down
6358819	7045859	1000516	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,46	down
6380979	7045772	1000399	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,43	up
6129205	7045859	1000524	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,42	up
6024865	7045859	1000517	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,39	up
6536895	7045772	1000348	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,37	up
6529513	7045859	1000535	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,37	down
6658584	7045772	1000380	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,37	up
5671538	7045772	1000393	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,35	up
5869457	7045772	1000357	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,35	down
5824009	7045772	1000384	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,34	up
6206381	7045772	1000346	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,32	up
6659778	7045772	1000369	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,32	up
5652002	7045772	1000372	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,32	down
5811983	7045772	1000350	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,31	down
6015811	7045772	1000398	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,28	down
6115703	7045859	1000530	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,28	down
6653295	7045859	1000537	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,26	up
6234592	7045772	1000377	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,23	down
6423488	7045772	1000352	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,23	down
6668982	7045859	1000522	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,22	up
5725512	7045772	1000390	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,21	up
6299198	7045772	1000389	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,20	down

6373965	7045772	1000363	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,19	up
5718255	7045772	1000370	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,19	down
6606086	7045772	1000371	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,19	up
6398919	7045772	1000392	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,18	down
6709365	7045772	1000378	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,18	up
6070940	7045772	1000391	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,18	down
6329063	7045772	1000375	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,17	up
5809902	7045772	1000366	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,16	up
6230732	7045772	1000376	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,16	up
6432374	7045772	1000386	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,16	up
6204770	7045859	1000521	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,16	down
5683587	7045772	1000348	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,15	down
6293423	7045772	1000365	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,15	down
6078626	7045772	1000387	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,15	down
6744113	7045859	1000523	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,14	down
6267055	7045772	1000368	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,14	up
6565747	7045772	1000348	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,14	down
6238328	7045859	1000528	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,13	down
6050522	7045772	1000354	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,13	down
6200122	7045772	1000349	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,13	up
6276724	7045859	1000529	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,13	down
6638988	7045772	1000387	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,13	down
6303186	7045772	1000382	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,12	up
5829635	7045772	1000346	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,12	down
6424302	7045772	1000364	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,12	down
5703682	7045772	1000379	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,11	up
6382701	7045772	1000396	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,11	up
6039320	7045859	1000519	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,11	up
5681742	7045859	1000520	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,10	up
5866541	7045772	1000353	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,10	up
6494007	7045772	1000395	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,10	up
5959238	7045772	1000361	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,10	up
6524668	7045859	1000533	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,09	down
6022991	7045859	1000532	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,09	down
6114752	7045859	1000525	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,08	up
6068189	7045859	1000534	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,08	down
5868095	7045772	1000394	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,07	up
5906305	7045772	1000351	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,06	down
6040064	7045772	1000373	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,05	down
6219767	7045772	1000358	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,05	up
5797659	7045772	1000385	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,04	down
5696133	7045772	1000401	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,03	down
6313075	7045772	1000362	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,03	up
5714690	7045772	1000400	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,03	up
5652006	7045772	1000400	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,03	down
5839858	7045772	1000361	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,03	up
6437903	7045772	1000388	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,02	up
5930543	7045859	1000536	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,02	up
5660928	7045772	1000381	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,02	down
6521677	7045859	1000518	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,02	down
6088148	7045859	1000526	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,01	down
6176339	7045859	1000531	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,01	down
6228124	7045772	1000356	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,00	up
5725834	7045772	1000360	spectrin repeat containing, nuclear envelope 1	Syne1	499010	1,00	up
5854363	7308057	1642783	spectrin, beta, erythrocytic	Sptb	314251	2,40	down
6107796	7308057	1642776	spectrin, beta, erythrocytic	Sptb	314251	2,26	down
6046414	7308057	1642763	spectrin, beta, erythrocytic	Sptb	314251	1,98	up

5898158	7308057	1642765	spectrin, beta, erythrocytic	Sptb	314251	1,79	up
6494783	7308057	1642759	spectrin, beta, erythrocytic	Sptb	314251	1,72	up
6184380	7308057	1642775	spectrin, beta, erythrocytic	Sptb	314251	1,56	up
6706983	7308057	1642756	spectrin, beta, erythrocytic	Sptb	314251	1,54	up
6554545	7308057	1642777	spectrin, beta, erythrocytic	Sptb	314251	1,51	up
5892018	7308057	1642773	spectrin, beta, erythrocytic	Sptb	314251	1,48	down
5926660	7308057	1642771	spectrin, beta, erythrocytic	Sptb	314251	1,47	down
5757252	7308057	1642781	spectrin, beta, erythrocytic	Sptb	314251	1,46	up
6593001	7308057	1642774	spectrin, beta, erythrocytic	Sptb	314251	1,42	up
6730368	7308057	1642757	spectrin, beta, erythrocytic	Sptb	314251	1,42	up
5768781	7308057	1642780	spectrin, beta, erythrocytic	Sptb	314251	1,42	down
5636288	7308057	1642778	spectrin, beta, erythrocytic	Sptb	314251	1,41	down
6282697	7308057	1642760	spectrin, beta, erythrocytic	Sptb	314251	1,35	up
6648399	7308057	1642754	spectrin, beta, erythrocytic	Sptb	314251	1,31	down
6598628	7308057	1642782	spectrin, beta, erythrocytic	Sptb	314251	1,26	down
6653530	7308057	1642766	spectrin, beta, erythrocytic	Sptb	314251	1,23	down
5973796	7308057	1642752	spectrin, beta, erythrocytic	Sptb	314251	1,19	down
6008202	7308057	1642762	spectrin, beta, erythrocytic	Sptb	314251	1,18	up
6641993	7308057	1642770	spectrin, beta, erythrocytic	Sptb	314251	1,13	up
5664934	7308057	1642753	spectrin, beta, erythrocytic	Sptb	314251	1,11	down
5625303	7308057	1642752	spectrin, beta, erythrocytic	Sptb	314251	1,11	down
5904048	7308057	1642761	spectrin, beta, erythrocytic	Sptb	314251	1,10	down
6079881	7308057	1642755	spectrin, beta, erythrocytic	Sptb	314251	1,07	down
5830704	7308057	1642779	spectrin, beta, erythrocytic	Sptb	314251	1,07	down
6525896	7308057	1642782	spectrin, beta, erythrocytic	Sptb	314251	1,06	down
6132441	7308057	1642758	spectrin, beta, erythrocytic	Sptb	314251	1,06	up
6654665	7308057	1642767	spectrin, beta, erythrocytic	Sptb	314251	1,04	down
5941067	7308057	1642768	spectrin, beta, erythrocytic	Sptb	314251	1,04	down
6174566	7308057	1642769	spectrin, beta, erythrocytic	Sptb	314251	1,03	down
6161559	7308057	1642752	spectrin, beta, erythrocytic	Sptb	314251	1,03	up
5733744	7308057	1642764	spectrin, beta, erythrocytic	Sptb	314251	1,03	up
6434404	7308057	1642772	spectrin, beta, erythrocytic	Sptb	314251	1,02	down
6010739	7039041	983181	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	2,44	up
6741903	7039041	983206	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,76	up
5760005	7039041	983196	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,70	up
6379781	7039041	983212	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,68	up
6657197	7039041	983212	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,60	up
6130474	7039041	983195	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,56	down
5621333	7039041	983215	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,48	down
5717472	7039041	983194	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,46	down
5808587	7039041	983200	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,43	down
6736921	7039041	983199	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,43	up
6305856	7039041	983211	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,37	up
5655993	7039041	983208	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,36	down
6067041	7039041	983215	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,35	down
6388505	7039041	983215	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,30	down
6054046	7039041	983213	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,28	up
6600250	7039041	983210	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,26	down
6740554	7039041	983183	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,23	up
6679150	7039041	983185	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,23	down
6036246	7039041	983187	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,22	up
6300062	7039041	983204	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,21	down
6396661	7039041	983186	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,19	down
6097830	7039041	983205	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,17	down
5829793	7039041	983193	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,17	up
6543590	7039041	983209	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,16	up
6367842	7039041	983214	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,15	down

5954598	7039041	983189	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,14	up
5824740	7039041	983180	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,13	down
5771820	7039041	983201	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,12	up
6687664	7039041	983207	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,11	down
6458951	7039041	983184	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,10	up
6002595	7039041	983197	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,09	up
5787127	7039041	983188	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,06	down
5798389	7039041	983203	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,05	up
6044977	7039041	983182	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,04	down
6742938	7039041	983198	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,04	down
5671825	7039041	983192	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,04	down
5790669	7039041	983202	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,03	up
6711238	7039041	983215	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,03	up
6581131	7039041	983190	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,01	up
5623491	7039041	983215	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,01	up
5756293	7039041	983191	spectrin, beta, non-erythrocytic 2	Sptbn2	29211	1,00	down
6376327	7243647	1482487	spectrin, beta, non-erythrocytic 5	Sptbn5	296090	1,12	down
6073322	7068413	1051961	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	2,08	up
6186530	7068413	1051955	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,44	up
6156109	7068413	1051948	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,39	down
6417899	7068413	1051960	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,39	up
6237575	7068413	1051959	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,26	down
6394264	7068413	1051962	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,26	down
5968356	7068413	1051947	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,18	up
6567142	7068413	1051958	sperm antigen with calponin homology and coiled-coil domains 1	Specc1	303208	1,02	down
5859706	7316192	1662693	sperm associated antigen 1	Spag1	315033	2,43	down
6319623	7316192	1662694	sperm associated antigen 1	Spag1	315033	2,05	down
6042567	7316192	1662695	sperm associated antigen 1	Spag1	315033	1,92	down
6250669	7316192	1662696	sperm associated antigen 1	Spag1	315033	1,29	down
5625560	7316192	1662685	sperm associated antigen 1	Spag1	315033	1,25	down
6621038	7316192	1662683	sperm associated antigen 1	Spag1	315033	1,24	down
6154490	7316192	1662692	sperm associated antigen 1	Spag1	315033	1,23	up
5949824	7316192	1662689	sperm associated antigen 1	Spag1	315033	1,20	up
5956497	7316192	1662677	sperm associated antigen 1	Spag1	315033	1,20	down
6164102	7316192	1662686	sperm associated antigen 1	Spag1	315033	1,14	down
5899064	7316192	1662684	sperm associated antigen 1	Spag1	315033	1,14	down
5827635	7316192	1662688	sperm associated antigen 1	Spag1	315033	1,09	up
6704150	7316192	1662691	sperm associated antigen 1	Spag1	315033	1,09	up
5831923	7316192	1662678	sperm associated antigen 1	Spag1	315033	1,05	up
5948265	7316192	1662680	sperm associated antigen 1	Spag1	315033	1,05	up
6479551	7316192	1662682	sperm associated antigen 1	Spag1	315033	1,04	up
6663112	7316192	1662690	sperm associated antigen 1	Spag1	315033	1,04	up
6419685	7316192	1662681	sperm associated antigen 1	Spag1	315033	1,03	down
6632774	7316192	1662679	sperm associated antigen 1	Spag1	315033	1,02	up
5906624	7316192	1662687	sperm associated antigen 1	Spag1	315033	1,01	down
6451791	7071292	1059457	sperm associated antigen 9	Spag9	360600	2,31	up
6431361	7071292	1059451	sperm associated antigen 9	Spag9	360600	1,65	up
6317416	7071292	1059456	sperm associated antigen 9	Spag9	360600	1,41	up
6554425	7071292	1059442	sperm associated antigen 9	Spag9	360600	1,41	down
6623421	7071292	1059465	sperm associated antigen 9	Spag9	360600	1,38	up
6678088	7071292	1059439	sperm associated antigen 9	Spag9	360600	1,37	down
6299769	7071292	1059460	sperm associated antigen 9	Spag9	360600	1,35	down
5858337	7071292	1059464	sperm associated antigen 9	Spag9	360600	1,29	down
6156322	7071292	1059436	sperm associated antigen 9	Spag9	360600	1,28	down
6676789	7071292	1059456	sperm associated antigen 9	Spag9	360600	1,21	up
6257899	7071292	1059441	sperm associated antigen 9	Spag9	360600	1,21	down
5716098	7071292	1059444	sperm associated antigen 9	Spag9	360600	1,18	down

5794692	7071292	1059437	sperm associated antigen 9	Spag9	360600	1,17	down
6568527	7071292	1059455	sperm associated antigen 9	Spag9	360600	1,17	up
6426876	7071292	1059452	sperm associated antigen 9	Spag9	360600	1,16	up
5667510	7071292	1059463	sperm associated antigen 9	Spag9	360600	1,14	down
5967191	7071292	1059440	sperm associated antigen 9	Spag9	360600	1,13	up
6255711	7071292	1059462	sperm associated antigen 9	Spag9	360600	1,12	down
6292121	7071292	1059435	sperm associated antigen 9	Spag9	360600	1,12	down
6540249	7071292	1059458	sperm associated antigen 9	Spag9	360600	1,12	up
5978777	7071292	1059454	sperm associated antigen 9	Spag9	360600	1,10	down
6260131	7071292	1059448	sperm associated antigen 9	Spag9	360600	1,10	down
5643384	7071292	1059461	sperm associated antigen 9	Spag9	360600	1,09	up
6536059	7071292	1059423	sperm associated antigen 9	Spag9	360600	1,08	up
5810347	7071292	1059451	sperm associated antigen 9	Spag9	360600	1,07	up
6641933	7071292	1059429	sperm associated antigen 9	Spag9	360600	1,05	up
6074277	7071292	1059453	sperm associated antigen 9	Spag9	360600	1,02	down
6517005	7071292	1059443	sperm associated antigen 9	Spag9	360600	1,01	down
6721792	7124981	1189244	spermatogenesis associated 18	Spata18	289586	2,53	up
6027979	7124981	1189238	spermatogenesis associated 18	Spata18	289586	2,18	up
6576503	7124981	1189244	spermatogenesis associated 18	Spata18	289586	2,14	up
6554678	7124981	1189238	spermatogenesis associated 18	Spata18	289586	1,96	up
6211835	7124981	1189242	spermatogenesis associated 18	Spata18	289586	1,91	down
6177173	7124981	1189237	spermatogenesis associated 18	Spata18	289586	1,86	up
6629619	7124981	1189240	spermatogenesis associated 18	Spata18	289586	1,64	up
6191116	7124981	1189241	spermatogenesis associated 18	Spata18	289586	1,62	down
6475540	7124981	1189235	spermatogenesis associated 18	Spata18	289586	1,38	up
6402061	7124981	1189233	spermatogenesis associated 18	Spata18	289586	1,38	down
6071929	7124981	1189233	spermatogenesis associated 18	Spata18	289586	1,32	down
5744176	7124981	1189232	spermatogenesis associated 18	Spata18	289586	1,32	down
5874023	7124981	1189234	spermatogenesis associated 18	Spata18	289586	1,31	down
6741462	7124981	1189236	spermatogenesis associated 18	Spata18	289586	1,20	up
5773869	7124981	1189243	spermatogenesis associated 18	Spata18	289586	1,15	up
5693779	7124981	1189244	spermatogenesis associated 18	Spata18	289586	1,11	down
5876654	7124981	1189237	spermatogenesis associated 18	Spata18	289586	1,04	down
6530424	7124981	1189239	spermatogenesis associated 18	Spata18	289586	1,00	up
6311370	7281086	1575592	spermatogenesis associated 21	Spata21	366491	2,56	down
6330897	7281086	1575599	spermatogenesis associated 21	Spata21	366491	2,01	up
5742582	7281086	1575595	spermatogenesis associated 21	Spata21	366491	1,49	up
6040647	7281086	1575586	spermatogenesis associated 21	Spata21	366491	1,40	down
5804122	7281086	1575598	spermatogenesis associated 21	Spata21	366491	1,39	up
6132862	7281086	1575590	spermatogenesis associated 21	Spata21	366491	1,38	down
6721469	7281086	1575591	spermatogenesis associated 21	Spata21	366491	1,35	up
5796804	7281086	1575598	spermatogenesis associated 21	Spata21	366491	1,18	down
6336722	7281086	1575585	spermatogenesis associated 21	Spata21	366491	1,17	up
6634790	7281086	1575587	spermatogenesis associated 21	Spata21	366491	1,14	down
6101676	7281086	1575599	spermatogenesis associated 21	Spata21	366491	1,13	down
5805069	7281086	1575594	spermatogenesis associated 21	Spata21	366491	1,13	up
6121645	7281086	1575593	spermatogenesis associated 21	Spata21	366491	1,12	up
6196495	7281086	1575589	spermatogenesis associated 21	Spata21	366491	1,11	up
6494831	7281086	1575598	spermatogenesis associated 21	Spata21	366491	1,10	down
6520227	7281086	1575588	spermatogenesis associated 21	Spata21	366491	1,10	up
6251373	7281086	1575588	spermatogenesis associated 21	Spata21	366491	1,08	up
6560339	7281086	1575589	spermatogenesis associated 21	Spata21	366491	1,08	down
5663294	7281086	1575599	spermatogenesis associated 21	Spata21	366491	1,08	up
6485714	7281086	1575592	spermatogenesis associated 21	Spata21	366491	1,06	down
6316397	7281086	1575596	spermatogenesis associated 21	Spata21	366491	1,04	down
5641295	7281086	1575597	spermatogenesis associated 21	Spata21	366491	1,01	down
6184158	7281086	1575592	spermatogenesis associated 21	Spata21	366491	1,00	up

6011880	7357026	1762222	spermatogenesis associated 3	Spata3	363270	1,47	up
6507641	7357026	1762221	spermatogenesis associated 3	Spata3	363270	1,11	up
6299412	7357026	1762224	spermatogenesis associated 3	Spata3	363270	1,06	up
6183242	7357026	1762222	spermatogenesis associated 3	Spata3	363270	1,04	down
5704289	7357026	1762229	spermatogenesis associated 3	Spata3	363270	1,03	down
6319107	7357026	1762224	spermatogenesis associated 3	Spata3	363270	1,03	up
5737387	7352152	1750342	spermatogenesis associated, serine-rich 1	Spats1	301255	1,52	down
6078624	7352152	1750337	spermatogenesis associated, serine-rich 1	Spats1	301255	1,23	down
6660757	7352152	1750341	spermatogenesis associated, serine-rich 1	Spats1	301255	1,21	up
5893453	7352152	1750340	spermatogenesis associated, serine-rich 1	Spats1	301255	1,18	down
6429032	7352152	1750342	spermatogenesis associated, serine-rich 1	Spats1	301255	1,17	down
5997275	7352152	1750339	spermatogenesis associated, serine-rich 1	Spats1	301255	1,05	down
6029778	7352152	1750337	spermatogenesis associated, serine-rich 1	Spats1	301255	1,05	up
6049738	7352152	1750336	spermatogenesis associated, serine-rich 1	Spats1	301255	1,04	up
6046940	7352152	1750338	spermatogenesis associated, serine-rich 1	Spats1	301255	1,02	down
5905463	7375057	1809523	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	2,27	down
5928129	7375057	1809523	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	2,27	up
5897036	7375057	1809527	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,77	down
5673765	7375057	1809524	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,52	down
6575714	7375057	1809528	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,51	up
5990690	7375057	1809526	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,44	up
6035598	7375057	1809529	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,42	up
6533692	7375057	1809525	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,19	down
5938772	7375057	1809523	spermidine/spermine N1-acetyl transferase 1	Sat1	302642	1,18	up
5682818	7232732	1454582	spermine oxidase	Smox	308652	3,31	up
6111082	7232732	1454570	spermine oxidase	Smox	308652	2,81	down
5707854	7232732	1454580	spermine oxidase	Smox	308652	2,12	up
6596831	7232732	1454585	spermine oxidase	Smox	308652	1,60	down
5731065	7232732	1454582	spermine oxidase	Smox	308652	1,50	up
6250585	7232732	1454582	spermine oxidase	Smox	308652	1,50	up
5644515	7232732	1454583	spermine oxidase	Smox	308652	1,33	up
6730500	7232732	1454582	spermine oxidase	Smox	308652	1,29	up
6702259	7232732	1454583	spermine oxidase	Smox	308652	1,25	up
6545770	7232732	1454581	spermine oxidase	Smox	308652	1,16	up
6688339	7232732	1454585	spermine oxidase	Smox	308652	1,10	up
5930850	7232732	1454579	spermine oxidase	Smox	308652	1,07	down
6034619	7204917	1387123	S-phase kinase-associated protein 2 (p45)	Skp2	294790	2,86	down
5965851	7204917	1387114	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,46	down
5696745	7204917	1387111	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,41	down
6314610	7204917	1387107	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,39	up
6194430	7204917	1387110	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,32	up
5731805	7204917	1387115	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,25	down
5631558	7204917	1387123	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,24	up
6225119	7204917	1387116	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,18	down
6067935	7204917	1387119	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,14	down
5776533	7204917	1387124	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,04	up
5707461	7204917	1387107	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,03	down
6162419	7204917	1387112	S-phase kinase-associated protein 2 (p45)	Skp2	294790	1,02	up
6380511	7061894	1036286	sphingomyelin synthase 1	Sgms1	353229	2,11	up
6075711	7061894	1036291	sphingomyelin synthase 1	Sgms1	353229	1,56	down
5975716	7061894	1036287	sphingomyelin synthase 1	Sgms1	353229	1,43	up
5644626	7061894	1036290	sphingomyelin synthase 1	Sgms1	353229	1,42	up
5934587	7061894	1036292	sphingomyelin synthase 1	Sgms1	353229	1,42	down
6356010	7061894	1036293	sphingomyelin synthase 1	Sgms1	353229	1,36	down
6267582	7061894	1036287	sphingomyelin synthase 1	Sgms1	353229	1,34	up
6333701	7061894	1036294	sphingomyelin synthase 1	Sgms1	353229	1,22	down
6030014	7061894	1036284	sphingomyelin synthase 1	Sgms1	353229	1,21	up

6528432	7061894	1036282	sphingomyelin synthase 1	Sgms1	353229	1,19	down
6284919	7061894	1036285	sphingomyelin synthase 1	Sgms1	353229	1,06	down
6269809	7061894	1036281	sphingomyelin synthase 1	Sgms1	353229	1,05	up
6418559	7061894	1036294	sphingomyelin synthase 1	Sgms1	353229	1,04	up
5836096	7061894	1036288	sphingomyelin synthase 1	Sgms1	353229	1,02	up
5676967	7061894	1036283	sphingomyelin synthase 1	Sgms1	353229	1,02	down
5860643	7364582	1780525	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,59	down
5940395	7364582	1780559	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,41	up
6326167	7364582	1780527	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,35	down
6393026	7364582	1780541	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,29	down
6350949	7364582	1780526	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,17	down
6532352	7364582	1780529	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,14	up
6439641	7364582	1780559	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,11	up
6188849	7364582	1780529	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,10	down
5944376	7364582	1780531	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,08	down
6548508	7364582	1780529	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,08	down
5976304	7364582	1780533	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,08	up
5985685	7364582	1780559	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,04	up
6284821	7364582	1780522	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,04	up
6711043	7364582	1780529	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,03	up
6312905	7364582	1780524	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,02	down
5854397	7364582	1780549	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,02	up
6635437	7364582	1780553	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,02	up
6094605	7364582	1780532	SPHK1 interactor, AKAP domain containing	Sphkap	316561	1,01	up
6134639	7198325	1371340	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,61	down
6265582	7198325	1371338	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,59	down
6438502	7198325	1371335	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,39	up
5724624	7198325	1371336	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,33	up
5847823	7198325	1371342	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,23	down
6071319	7198325	1371339	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,21	up
5928035	7198325	1371337	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,20	up
6660728	7198325	1371341	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,19	up
5723719	7198325	1371343	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,17	up
5666485	7198325	1371345	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,17	up
6500722	7198325	1371346	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,11	down
6606867	7198325	1371348	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,07	down
5646448	7198325	1371331	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,06	up
6530431	7198325	1371349	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,03	up
5666201	7198325	1371344	spindle assembly 6 homolog (C. elegans)	Sass6	310807	1,01	down
6229625	7079635	1078690	spinster homolog 3 (Drosophila)	Spns3	497946	2,05	down
6388758	7079635	1078688	spinster homolog 3 (Drosophila)	Spns3	497946	1,36	down
5895552	7079635	1078681	spinster homolog 3 (Drosophila)	Spns3	497946	1,35	down
6153512	7079635	1078680	spinster homolog 3 (Drosophila)	Spns3	497946	1,34	down
6575779	7079635	1078687	spinster homolog 3 (Drosophila)	Spns3	497946	1,21	down
6113681	7079635	1078692	spinster homolog 3 (Drosophila)	Spns3	497946	1,20	down
5691401	7079635	1078691	spinster homolog 3 (Drosophila)	Spns3	497946	1,16	up
5864487	7079635	1078678	spinster homolog 3 (Drosophila)	Spns3	497946	1,09	up
5954741	7079635	1078689	spinster homolog 3 (Drosophila)	Spns3	497946	1,07	up
6491936	7079635	1078682	spinster homolog 3 (Drosophila)	Spns3	497946	1,06	up
6246426	7079635	1078679	spinster homolog 3 (Drosophila)	Spns3	497946	1,05	down
5927486	7079635	1078695	spinster homolog 3 (Drosophila)	Spns3	497946	1,04	up
6115686	7079635	1078695	spinster homolog 3 (Drosophila)	Spns3	497946	1,03	up
6720972	7181871	1330167	spire homolog 2 (Drosophila)	Spire2	307925	2,48	down
6661299	7181871	1330174	spire homolog 2 (Drosophila)	Spire2	307925	1,58	up
5764556	7181871	1330179	spire homolog 2 (Drosophila)	Spire2	307925	1,57	up
6681637	7181871	1330177	spire homolog 2 (Drosophila)	Spire2	307925	1,38	up
5937644	7181871	1330167	spire homolog 2 (Drosophila)	Spire2	307925	1,30	down

6452972	7181871	1330175	spire homolog 2 (Drosophila)	Spire2	307925	1,28	down
6347840	7181871	1330180	spire homolog 2 (Drosophila)	Spire2	307925	1,24	up
6269488	7181871	1330176	spire homolog 2 (Drosophila)	Spire2	307925	1,24	down
6224968	7181871	1330179	spire homolog 2 (Drosophila)	Spire2	307925	1,23	up
6218705	7181871	1330183	spire homolog 2 (Drosophila)	Spire2	307925	1,22	up
6617527	7181871	1330173	spire homolog 2 (Drosophila)	Spire2	307925	1,16	up
6068149	7181871	1330169	spire homolog 2 (Drosophila)	Spire2	307925	1,13	up
6180407	7181871	1330186	spire homolog 2 (Drosophila)	Spire2	307925	1,11	down
5695165	7181871	1330182	spire homolog 2 (Drosophila)	Spire2	307925	1,06	down
6445527	7181871	1330186	spire homolog 2 (Drosophila)	Spire2	307925	1,06	down
6609010	7181871	1330167	spire homolog 2 (Drosophila)	Spire2	307925	1,05	up
5808579	7181871	1330184	spire homolog 2 (Drosophila)	Spire2	307925	1,05	up
6178041	7181871	1330185	spire homolog 2 (Drosophila)	Spire2	307925	1,05	up
6582541	7181871	1330177	spire homolog 2 (Drosophila)	Spire2	307925	1,02	up
5803453	7181871	1330178	spire homolog 2 (Drosophila)	Spire2	307925	1,00	down
5757992	7065640	1045199	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	2,77	down
5886322	7065640	1045211	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,57	down
6343183	7065640	1045200	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,51	down
6195929	7065640	1045210	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,45	up
5836852	7065640	1045211	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,41	up
6484265	7065640	1045208	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,35	up
6245544	7065640	1045211	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,25	up
6086359	7065640	1045201	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,18	up
6221193	7065640	1045210	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,11	up
6290101	7065640	1045209	splA/ryanodine receptor domain and SOCS box containing 3	Spsb3	302981	1,07	down
5629714	7120486	1178583	splicing factor 3a, subunit 1	Sf3a1	305479	1,65	up
6429741	7120486	1178585	splicing factor 3a, subunit 1	Sf3a1	305479	1,64	down
6560624	7120486	1178587	splicing factor 3a, subunit 1	Sf3a1	305479	1,50	down
6525488	7120486	1178582	splicing factor 3a, subunit 1	Sf3a1	305479	1,39	down
5888871	7120486	1178586	splicing factor 3a, subunit 1	Sf3a1	305479	1,36	down
6312495	7120486	1178582	splicing factor 3a, subunit 1	Sf3a1	305479	1,32	up
6048905	7120486	1178571	splicing factor 3a, subunit 1	Sf3a1	305479	1,25	up
6151411	7120486	1178585	splicing factor 3a, subunit 1	Sf3a1	305479	1,21	up
5668644	7120486	1178576	splicing factor 3a, subunit 1	Sf3a1	305479	1,15	up
5896355	7120486	1178572	splicing factor 3a, subunit 1	Sf3a1	305479	1,15	down
6486460	7120486	1178582	splicing factor 3a, subunit 1	Sf3a1	305479	1,14	down
5621281	7120486	1178584	splicing factor 3a, subunit 1	Sf3a1	305479	1,12	up
6268649	7120486	1178575	splicing factor 3a, subunit 1	Sf3a1	305479	1,12	up
5765824	7120486	1178577	splicing factor 3a, subunit 1	Sf3a1	305479	1,12	up
6234278	7120486	1178581	splicing factor 3a, subunit 1	Sf3a1	305479	1,10	down
6487292	7120486	1178578	splicing factor 3a, subunit 1	Sf3a1	305479	1,08	up
6566583	7120486	1178579	splicing factor 3a, subunit 1	Sf3a1	305479	1,06	down
6248390	7120486	1178573	splicing factor 3a, subunit 1	Sf3a1	305479	1,04	up
5967767	7120486	1178570	splicing factor 3a, subunit 1	Sf3a1	305479	1,03	up
6162633	7120486	1178588	splicing factor 3a, subunit 1	Sf3a1	305479	1,03	down
5857054	7120486	1178574	splicing factor 3a, subunit 1	Sf3a1	305479	1,03	up
5841921	7120486	1178580	splicing factor 3a, subunit 1	Sf3a1	305479	1,02	up
6637855	7187149	1342809	splicing factor, arginine/serine-rich 16	Sfrs16	499390	2,84	down
6207509	7187149	1342792	splicing factor, arginine/serine-rich 16	Sfrs16	499390	2,00	up
6111902	7187149	1342800	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,75	down
6742013	7187149	1342805	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,60	up
6626214	7187149	1342810	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,57	down
6448609	7187149	1342798	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,55	up
6389906	7187149	1342797	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,54	down
6014551	7187149	1342793	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,50	up
6649536	7187149	1342801	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,36	down
5838077	7187149	1342801	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,33	up

5827458	7187149	1342806	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,27	down
6712409	7187149	1342804	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,22	up
6310019	7187149	1342791	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,22	up
6480569	7187149	1342803	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,16	down
6745261	7187149	1342808	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,12	down
5632616	7187149	1342795	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,11	up
6163211	7187149	1342802	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,10	down
6714823	7187149	1342794	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,08	down
6553043	7187149	1342807	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,06	down
6257527	7187149	1342799	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,05	up
6381671	7187149	1342810	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,03	up
6734566	7187149	1342791	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,03	down
5856366	7187149	1342796	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,01	down
6725251	7187149	1342803	splicing factor, arginine/serine-rich 16	Sfrs16	499390	1,01	down
6481350	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	2,06	down
6233567	7101643	1131590	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,72	up
6563623	7101643	1131580	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,56	up
6162664	7101643	1131576	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,48	down
6632648	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,43	down
5928937	7101643	1131593	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,33	up
5949465	7101643	1131594	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,33	up
6108322	7101643	1131567	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,26	down
6553704	7101643	1131566	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,25	up
6418056	7101643	1131581	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,24	down
5715000	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,22	down
6030707	7101643	1131578	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,21	up
6268344	7101643	1131582	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,20	up
6341828	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,19	down
5753706	7101643	1131573	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,19	down
6091038	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,18	down
6324286	7101643	1131576	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,17	down
6734665	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,17	down
6201166	7101643	1131577	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,15	up
6297254	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,15	down
5989241	7101643	1131595	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,14	down
6631176	7101643	1131576	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,10	down
6214326	7101643	1131565	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,05	up
6217291	7101643	1131583	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,04	up
5800673	7101643	1131592	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,03	down
6268454	7101643	1131591	splicing factor, arginine/serine-rich 8	Sfrs8	304431	1,01	down
5804918	7235840	1463003	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,72	down
6294287	7235840	1462995	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,65	down
6451743	7235840	1463000	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,56	down
5721301	7235840	1462992	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,42	down
6079157	7235840	1462995	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,34	up
6694667	7235840	1462993	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,27	down
6102551	7235840	1462995	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,26	down
6203560	7235840	1463002	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,19	down
6396398	7235840	1462994	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,10	up
5625988	7235840	1463003	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,04	down
5786283	7235840	1462998	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,02	down
5860139	7235840	1463001	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,02	down
6324320	7235840	1462999	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,02	up
5654959	7235840	1462996	SPO11 meiotic protein covalently bound to DSB homolog (S. cerevisiae)	Spo11	366261	1,01	up
6092696	7196331	1366390	Src homology 2 domain containing E	She	685088	1,07	down
6690141	7056304	1023569	SRY (sex determining region Y)-box 6	Sox6	293165	2,46	up
6073164	7056304	1023616	SRY (sex determining region Y)-box 6	Sox6	293165	1,50	up

6099122	7056304	1023582	SRY (sex determining region Y)-box 6	Sox6	293165	1,40	down
6745516	7056304	1023582	SRY (sex determining region Y)-box 6	Sox6	293165	1,37	down
5743927	7056304	1023558	SRY (sex determining region Y)-box 6	Sox6	293165	1,32	down
6532329	7056304	1023521	SRY (sex determining region Y)-box 6	Sox6	293165	1,27	up
6254759	7056304	1023537	SRY (sex determining region Y)-box 6	Sox6	293165	1,19	down
6205229	7056304	1023597	SRY (sex determining region Y)-box 6	Sox6	293165	1,18	up
6586818	7056304	1023593	SRY (sex determining region Y)-box 6	Sox6	293165	1,17	down
6373754	7056304	1023549	SRY (sex determining region Y)-box 6	Sox6	293165	1,17	down
5908378	7056304	1023548	SRY (sex determining region Y)-box 6	Sox6	293165	1,11	up
5720030	7056304	1023558	SRY (sex determining region Y)-box 6	Sox6	293165	1,09	down
6651788	7056304	1023597	SRY (sex determining region Y)-box 6	Sox6	293165	1,09	up
6702226	7056304	1023548	SRY (sex determining region Y)-box 6	Sox6	293165	1,08	up
6426639	7056304	1023524	SRY (sex determining region Y)-box 6	Sox6	293165	1,04	up
6078208	7056304	1023561	SRY (sex determining region Y)-box 6	Sox6	293165	1,01	up
6650452	7056304	1023550	SRY (sex determining region Y)-box 6	Sox6	293165	1,01	down
5878426	7056304	1023571	SRY (sex determining region Y)-box 6	Sox6	293165	1,00	down
6185810	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	3,10	down
6030264	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	1,76	down
5934266	7075533	1069569	SRY (sex determining region Y)-box 8	Sox8	302993	1,33	down
6486512	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	1,22	down
6418959	7075533	1069573	SRY (sex determining region Y)-box 8	Sox8	302993	1,18	up
5759305	7075533	1069569	SRY (sex determining region Y)-box 8	Sox8	302993	1,15	up
5671983	7075533	1069572	SRY (sex determining region Y)-box 8	Sox8	302993	1,05	up
6496896	7181026	1327842	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	2,52	down
5749329	7181026	1327844	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,74	down
6440579	7181026	1327844	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,30	up
6367959	7181026	1327841	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,21	up
6194760	7181026	1327839	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,03	down
5969245	7181026	1327843	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,02	down
6415802	7181026	1327838	ST3 beta-galactoside alpha-2,3-sialyltransferase 2	St3gal2	64442	1,00	down
6699870	7094780	1114562	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	4,13	up
6627447	7094780	1114558	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	3,70	up
6653624	7094780	1114548	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,87	up
6589376	7094780	1114554	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,71	down
6564296	7094780	1114559	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,69	up
5838256	7094780	1114555	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,58	down
5659442	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,39	down
6329008	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,35	up
6234293	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,32	down
6590671	7094780	1114556	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,25	down
6403013	7094780	1114561	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,25	down
5791672	7094780	1114557	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,19	down
6569995	7094780	1114549	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,18	down
6175499	7094780	1114551	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,17	down
6296460	7094780	1114550	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,16	down
6188168	7094780	1114553	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,16	down
5948106	7094780	1114552	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,09	up
5799259	7094780	1114560	ST6 beta-galactosamide alpha-2,6-sialyltransferase 1	St6gal1	25197	1,06	down
6335196	7065980	1046080	stanniocalcin 2	Stc2	63878	2,00	up
5888347	7065980	1046081	stanniocalcin 2	Stc2	63878	1,33	down
5793355	7065980	1046079	stanniocalcin 2	Stc2	63878	1,31	down
5917816	7065980	1046082	stanniocalcin 2	Stc2	63878	1,07	up
6029131	7033673	970371	StAR-related lipid transfer (START) domain containing 5	Stard5	502348	2,04	up
5747770	7033673	970380	StAR-related lipid transfer (START) domain containing 5	Stard5	502348	1,04	up
6286472	7368815	1792338	STEAP family member 3	Steap3	170824	3,13	up
5997922	7368815	1792337	STEAP family member 3	Steap3	170824	2,12	up
5922443	7368815	1792333	STEAP family member 3	Steap3	170824	1,84	up

6299937	7368815	1792315	STEAP family member 3	Steap3	170824	1,81	down
6614261	7368815	1792333	STEAP family member 3	Steap3	170824	1,36	up
6563260	7368815	1792332	STEAP family member 3	Steap3	170824	1,36	up
6008016	7368815	1792334	STEAP family member 3	Steap3	170824	1,07	up
6612805	7243901	1483036	stereocilin	Src	691937	1,04	down
6101494	7261766	1527157	sterile alpha motif domain containing 9-like	Samd9l	500015	2,27	up
5677783	7261766	1527156	sterile alpha motif domain containing 9-like	Samd9l	500015	1,15	down
5872845	7289791	1596237	sterol carrier protein 2	Scp2	25541	2,15	up
6634523	7289791	1596222	sterol carrier protein 2	Scp2	25541	1,75	up
6283024	7289791	1596232	sterol carrier protein 2	Scp2	25541	1,64	up
6494953	7289791	1596228	sterol carrier protein 2	Scp2	25541	1,46	down
5827079	7289791	1596224	sterol carrier protein 2	Scp2	25541	1,35	up
5650334	7289791	1596224	sterol carrier protein 2	Scp2	25541	1,31	up
6562431	7289791	1596235	sterol carrier protein 2	Scp2	25541	1,31	down
6135575	7289791	1596234	sterol carrier protein 2	Scp2	25541	1,25	down
5851172	7289791	1596225	sterol carrier protein 2	Scp2	25541	1,25	up
6564443	7289791	1596231	sterol carrier protein 2	Scp2	25541	1,23	down
6378283	7289791	1596236	sterol carrier protein 2	Scp2	25541	1,20	up
5896796	7289791	1596227	sterol carrier protein 2	Scp2	25541	1,20	down
6480655	7289791	1596222	sterol carrier protein 2	Scp2	25541	1,11	up
6325441	7289791	1596226	sterol carrier protein 2	Scp2	25541	1,10	down
6531254	7289791	1596230	sterol carrier protein 2	Scp2	25541	1,08	up
6089480	7289791	1596229	sterol carrier protein 2	Scp2	25541	1,04	down
5699539	7289791	1596223	sterol carrier protein 2	Scp2	25541	1,04	up
6159463	7289791	1596238	sterol carrier protein 2	Scp2	25541	1,01	up
6269148	7289791	1596233	sterol carrier protein 2	Scp2	25541	1,01	up
6732527	7321006	1674754	sterol O-acyltransferase 2	Soat2	266770	2,37	up
5997392	7321006	1674750	sterol O-acyltransferase 2	Soat2	266770	1,73	down
5987208	7321006	1674759	sterol O-acyltransferase 2	Soat2	266770	1,52	down
5702538	7321006	1674750	sterol O-acyltransferase 2	Soat2	266770	1,49	down
6202725	7321006	1674764	sterol O-acyltransferase 2	Soat2	266770	1,46	up
5890290	7321006	1674763	sterol O-acyltransferase 2	Soat2	266770	1,44	down
6659965	7321006	1674761	sterol O-acyltransferase 2	Soat2	266770	1,37	up
6355925	7321006	1674756	sterol O-acyltransferase 2	Soat2	266770	1,29	down
6713119	7321006	1674751	sterol O-acyltransferase 2	Soat2	266770	1,24	down
5993086	7321006	1674752	sterol O-acyltransferase 2	Soat2	266770	1,21	down
6745282	7321006	1674764	sterol O-acyltransferase 2	Soat2	266770	1,15	down
6185058	7321006	1674760	sterol O-acyltransferase 2	Soat2	266770	1,15	up
6514296	7321006	1674763	sterol O-acyltransferase 2	Soat2	266770	1,09	up
6561394	7321006	1674758	sterol O-acyltransferase 2	Soat2	266770	1,08	down
5837624	7321006	1674755	sterol O-acyltransferase 2	Soat2	266770	1,04	down
6238370	7321006	1674762	sterol O-acyltransferase 2	Soat2	266770	1,04	down
6369851	7321006	1674753	sterol O-acyltransferase 2	Soat2	266770	1,04	up
5834779	7321006	1674765	sterol O-acyltransferase 2	Soat2	266770	1,03	down
6130634	7321006	1674757	sterol O-acyltransferase 2	Soat2	266770	1,02	down
6122557	7078143	1075446	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,58	up
6693877	7078143	1075441	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,52	down
6307122	7078143	1075441	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,35	up
5715575	7078143	1075448	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,29	down
6699736	7078143	1075449	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,21	up
6123181	7078143	1075436	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,19	down
6490736	7078143	1075438	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,17	down
6430011	7078143	1075450	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,13	up
6182904	7078143	1075451	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,12	down
6089468	7078143	1075446	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,11	up
5788497	7078143	1075445	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,11	down
6400795	7078143	1075444	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,07	up

5960485	7078143	1075450	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,07	down
5809553	7078143	1075444	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,05	up
5861329	7078143	1075436	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,05	down
5927573	7078143	1075451	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,04	down
5917098	7078143	1075443	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,04	down
6293425	7078143	1075442	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,03	down
5690583	7078143	1075439	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,02	up
5706759	7078143	1075447	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,02	up
6085182	7078143	1075440	sterol regulatory element binding transcription factor 1	Srebfl	78968	1,01	down
6057587	7285530	1585966	stomatin (Epb7.2)-like 2	Stoml2	298203	2,87	up
6575381	7285530	1585964	stomatin (Epb7.2)-like 2	Stoml2	298203	1,83	down
6695759	7285530	1585970	stomatin (Epb7.2)-like 2	Stoml2	298203	1,70	down
5800832	7285530	1585969	stomatin (Epb7.2)-like 2	Stoml2	298203	1,51	up
6060572	7285530	1585970	stomatin (Epb7.2)-like 2	Stoml2	298203	1,34	up
6167240	7285530	1585968	stomatin (Epb7.2)-like 2	Stoml2	298203	1,20	up
6720899	7285530	1585965	stomatin (Epb7.2)-like 2	Stoml2	298203	1,14	down
6544553	7285530	1585970	stomatin (Epb7.2)-like 2	Stoml2	298203	1,14	down
6009341	7285530	1585967	stomatin (Epb7.2)-like 2	Stoml2	298203	1,11	up
6425251	7285530	1585970	stomatin (Epb7.2)-like 2	Stoml2	298203	1,06	down
5725807	7285530	1585966	stomatin (Epb7.2)-like 2	Stoml2	298203	1,02	up
5891041	7312566	1653310	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	2,06	up
6198418	7312566	1653322	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,96	up
6114062	7312566	1653295	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,89	down
6235446	7312566	1653313	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,87	up
6113838	7312566	1653296	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,81	down
6593711	7312566	1653335	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,80	up
6377254	7312566	1653304	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,79	up
6350894	7312566	1653335	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,77	down
6306049	7312566	1653318	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,76	up
6467346	7312566	1653331	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,74	up
5798335	7312566	1653295	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,64	down
5947135	7312566	1653329	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,59	up
5712363	7312566	1653300	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,58	down
5957517	7312566	1653309	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,51	up
5947347	7312566	1653317	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,50	up
6104689	7312566	1653297	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,49	down
6003700	7312566	1653321	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,38	up
6447320	7312566	1653324	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,34	down
6502130	7312566	1653321	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,28	up
5695646	7312566	1653319	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,26	up
5895319	7312566	1653298	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,26	down
6564903	7312566	1653334	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,25	up
5871476	7312566	1653325	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,25	up
5866709	7312566	1653332	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,25	down
5773414	7312566	1653328	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,24	up
6676089	7312566	1653312	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,20	up
6373626	7312566	1653335	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,17	up
6704590	7312566	1653314	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,14	up
5693441	7312566	1653332	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,14	down
6511673	7312566	1653316	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,13	down
6477252	7312566	1653333	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,13	down
6661065	7312566	1653326	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,13	up
5881876	7312566	1653311	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,12	up
6476910	7312566	1653323	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,06	up
6171320	7312566	1653330	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,05	up
6008339	7312566	1653327	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,04	down
6735602	7312566	1653313	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,01	down

6597519	7312566	1653315	strawberry notch homolog 2 (Drosophila)	Sbno2	314619	1,01	up
6500597	7029119	958968	striatin, calmodulin binding protein 4	Strn4	308392	2,10	down
6160665	7029119	958968	striatin, calmodulin binding protein 4	Strn4	308392	1,65	up
6252090	7029119	958983	striatin, calmodulin binding protein 4	Strn4	308392	1,41	down
5660917	7029119	958983	striatin, calmodulin binding protein 4	Strn4	308392	1,29	up
5872388	7029119	958982	striatin, calmodulin binding protein 4	Strn4	308392	1,26	down
5988257	7029119	958982	striatin, calmodulin binding protein 4	Strn4	308392	1,22	down
6543895	7029119	958969	striatin, calmodulin binding protein 4	Strn4	308392	1,18	down
6614474	7029119	958968	striatin, calmodulin binding protein 4	Strn4	308392	1,18	down
6697738	7029119	958978	striatin, calmodulin binding protein 4	Strn4	308392	1,16	up
6016956	7029119	958974	striatin, calmodulin binding protein 4	Strn4	308392	1,16	up
6116179	7029119	958982	striatin, calmodulin binding protein 4	Strn4	308392	1,16	down
6494112	7029119	958981	striatin, calmodulin binding protein 4	Strn4	308392	1,15	down
5740807	7029119	958977	striatin, calmodulin binding protein 4	Strn4	308392	1,15	up
6686699	7029119	958975	striatin, calmodulin binding protein 4	Strn4	308392	1,14	down
5659833	7029119	958973	striatin, calmodulin binding protein 4	Strn4	308392	1,13	up
6151049	7029119	958980	striatin, calmodulin binding protein 4	Strn4	308392	1,10	down
6388892	7029119	958971	striatin, calmodulin binding protein 4	Strn4	308392	1,09	down
6157733	7029119	958979	striatin, calmodulin binding protein 4	Strn4	308392	1,07	up
6692172	7029119	958983	striatin, calmodulin binding protein 4	Strn4	308392	1,05	down
5659083	7029119	958972	striatin, calmodulin binding protein 4	Strn4	308392	1,02	up
6009409	7029119	958970	striatin, calmodulin binding protein 4	Strn4	308392	1,01	up
6332312	7029119	958976	striatin, calmodulin binding protein 4	Strn4	308392	1,01	up
5748455	7339732	1719226	stromal antigen 1	Stag1	315958	2,40	up
6380768	7339732	1719208	stromal antigen 1	Stag1	315958	2,02	down
6654734	7339732	1719227	stromal antigen 1	Stag1	315958	1,69	up
6348207	7339732	1719244	stromal antigen 1	Stag1	315958	1,63	down
6608575	7339732	1719243	stromal antigen 1	Stag1	315958	1,46	down
6408493	7339732	1719247	stromal antigen 1	Stag1	315958	1,42	up
6194048	7339732	1719211	stromal antigen 1	Stag1	315958	1,41	up
6731567	7339732	1719236	stromal antigen 1	Stag1	315958	1,38	up
5868456	7339732	1719204	stromal antigen 1	Stag1	315958	1,37	up
5923575	7339732	1719199	stromal antigen 1	Stag1	315958	1,34	up
5975181	7339732	1719232	stromal antigen 1	Stag1	315958	1,33	up
6579686	7339732	1719242	stromal antigen 1	Stag1	315958	1,24	down
6281339	7339732	1719197	stromal antigen 1	Stag1	315958	1,22	down
6694845	7339732	1719216	stromal antigen 1	Stag1	315958	1,20	down
5982508	7339732	1719215	stromal antigen 1	Stag1	315958	1,20	up
6594844	7339732	1719206	stromal antigen 1	Stag1	315958	1,19	up
5923209	7339732	1719208	stromal antigen 1	Stag1	315958	1,18	down
6535676	7339732	1719236	stromal antigen 1	Stag1	315958	1,17	down
6197641	7339732	1719228	stromal antigen 1	Stag1	315958	1,14	down
6597754	7339732	1719192	stromal antigen 1	Stag1	315958	1,12	up
6521467	7339732	1719231	stromal antigen 1	Stag1	315958	1,12	up
6471185	7339732	1719249	stromal antigen 1	Stag1	315958	1,12	up
5736358	7339732	1719220	stromal antigen 1	Stag1	315958	1,11	up
6185667	7339732	1719212	stromal antigen 1	Stag1	315958	1,10	down
5673175	7339732	1719192	stromal antigen 1	Stag1	315958	1,10	up
6598958	7339732	1719229	stromal antigen 1	Stag1	315958	1,07	down
6473945	7339732	1719201	stromal antigen 1	Stag1	315958	1,06	down
6368785	7339732	1719219	stromal antigen 1	Stag1	315958	1,03	up
5862849	7339732	1719245	stromal antigen 1	Stag1	315958	1,02	down
6363130	7339732	1719241	stromal antigen 1	Stag1	315958	1,02	up
5645466	7339732	1719248	stromal antigen 1	Stag1	315958	1,01	down
6320234	7339732	1719246	stromal antigen 1	Stag1	315958	1,01	down
6381556	7339732	1719217	stromal antigen 1	Stag1	315958	1,01	up
6252620	7339732	1719230	stromal antigen 1	Stag1	315958	1,00	up

5753711	7043235	993143	structural maintenance of chromosomes 3	Smc3	29486	2,66	down
6308867	7043235	993148	structural maintenance of chromosomes 3	Smc3	29486	2,04	up
6324002	7043235	993144	structural maintenance of chromosomes 3	Smc3	29486	1,69	up
5851438	7043235	993161	structural maintenance of chromosomes 3	Smc3	29486	1,62	down
6336566	7043235	993147	structural maintenance of chromosomes 3	Smc3	29486	1,47	down
5622800	7043235	993164	structural maintenance of chromosomes 3	Smc3	29486	1,35	down
6265035	7043235	993160	structural maintenance of chromosomes 3	Smc3	29486	1,30	up
5782170	7043235	993149	structural maintenance of chromosomes 3	Smc3	29486	1,29	up
6390894	7043235	993159	structural maintenance of chromosomes 3	Smc3	29486	1,24	up
6526269	7043235	993165	structural maintenance of chromosomes 3	Smc3	29486	1,23	down
6634821	7043235	993152	structural maintenance of chromosomes 3	Smc3	29486	1,22	up
6199603	7043235	993161	structural maintenance of chromosomes 3	Smc3	29486	1,22	up
6499681	7043235	993154	structural maintenance of chromosomes 3	Smc3	29486	1,21	down
6448429	7043235	993146	structural maintenance of chromosomes 3	Smc3	29486	1,20	down
6104737	7043235	993168	structural maintenance of chromosomes 3	Smc3	29486	1,15	up
5967005	7043235	993158	structural maintenance of chromosomes 3	Smc3	29486	1,15	up
6475016	7043235	993163	structural maintenance of chromosomes 3	Smc3	29486	1,15	down
6629756	7043235	993153	structural maintenance of chromosomes 3	Smc3	29486	1,15	down
6590188	7043235	993145	structural maintenance of chromosomes 3	Smc3	29486	1,14	up
6276874	7043235	993169	structural maintenance of chromosomes 3	Smc3	29486	1,14	up
6701464	7043235	993150	structural maintenance of chromosomes 3	Smc3	29486	1,10	down
6662895	7043235	993166	structural maintenance of chromosomes 3	Smc3	29486	1,10	up
6036243	7043235	993142	structural maintenance of chromosomes 3	Smc3	29486	1,10	up
6234577	7043235	993155	structural maintenance of chromosomes 3	Smc3	29486	1,09	down
6314783	7043235	993162	structural maintenance of chromosomes 3	Smc3	29486	1,08	up
5922151	7043235	993156	structural maintenance of chromosomes 3	Smc3	29486	1,06	down
6401204	7043235	993167	structural maintenance of chromosomes 3	Smc3	29486	1,06	up
5904037	7043235	993157	structural maintenance of chromosomes 3	Smc3	29486	1,03	down
5939465	7043235	993151	structural maintenance of chromosomes 3	Smc3	29486	1,02	down
6123746	7247976	1492433	sulfatase 2	Sulf2	311642	2,72	down
6599361	7247976	1492434	sulfatase 2	Sulf2	311642	1,82	up
6419988	7247976	1492432	sulfatase 2	Sulf2	311642	1,56	down
6026029	7247976	1492446	sulfatase 2	Sulf2	311642	1,52	up
5730763	7247976	1492439	sulfatase 2	Sulf2	311642	1,45	down
6573400	7247976	1492459	sulfatase 2	Sulf2	311642	1,38	up
6511328	7247976	1492440	sulfatase 2	Sulf2	311642	1,32	down
6131617	7247976	1492459	sulfatase 2	Sulf2	311642	1,29	up
6170483	7247976	1492437	sulfatase 2	Sulf2	311642	1,26	down
6516278	7247976	1492442	sulfatase 2	Sulf2	311642	1,24	up
6068984	7247976	1492455	sulfatase 2	Sulf2	311642	1,23	up
6658468	7247976	1492438	sulfatase 2	Sulf2	311642	1,21	down
6501702	7247976	1492445	sulfatase 2	Sulf2	311642	1,20	down
6712555	7247976	1492448	sulfatase 2	Sulf2	311642	1,16	down
6226439	7247976	1492450	sulfatase 2	Sulf2	311642	1,10	up
5705830	7247976	1492459	sulfatase 2	Sulf2	311642	1,09	down
5765938	7247976	1492463	sulfatase 2	Sulf2	311642	1,08	down
6478559	7247976	1492436	sulfatase 2	Sulf2	311642	1,07	up
5860183	7247976	1492444	sulfatase 2	Sulf2	311642	1,07	up
6602933	7247976	1492459	sulfatase 2	Sulf2	311642	1,06	up
6661161	7247976	1492441	sulfatase 2	Sulf2	311642	1,03	down
6413284	7247976	1492449	sulfatase 2	Sulf2	311642	1,02	down
6248092	7247976	1492443	sulfatase 2	Sulf2	311642	1,01	up
6668379	7247976	1492431	sulfatase 2	Sulf2	311642	1,00	up
6120458	7233921	1458154	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	Srxn1	296271	1,72	up
5758221	7233921	1458152	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	Srxn1	296271	1,71	up
5672886	7233921	1458153	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	Srxn1	296271	1,67	up
6347095	7233921	1458151	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	Srxn1	296271	1,62	up

6308929	7233921	1458151	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	Srxn1	296271	1,59	down
6130489	7233921	1458151	sulfiredoxin 1 homolog (<i>S. cerevisiae</i>)	Srxn1	296271	1,30	down
6030103	7343701	1729256	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	3,24	down
5687418	7343701	1729273	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	2,23	up
6484334	7343701	1729269	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	2,09	down
5738422	7343701	1729264	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	2,02	down
6288004	7343701	1729259	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,84	down
5864430	7343701	1729260	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,80	down
6359697	7343701	1729271	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,58	up
5964955	7343701	1729268	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,58	up
6514428	7343701	1729269	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,48	down
5887530	7343701	1729265	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,41	up
6685417	7343701	1729258	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,38	down
5715628	7343701	1729274	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,36	up
6246336	7343701	1729272	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,30	up
6679519	7343701	1729270	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,28	up
5824931	7343701	1729262	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,24	up
6038979	7343701	1729261	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,20	up
5742363	7343701	1729263	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,14	down
5928584	7343701	1729257	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,07	up
6000773	7343701	1729257	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,05	up
6209798	7343701	1729262	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,05	down
6611379	7343701	1729269	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,04	down
6016137	7343701	1729267	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,01	down
6515564	7343701	1729266	suppression of tumorigenicity 14 (colon carcinoma)	St14	114093	1,01	up
6161015	7324052	1681418	suppressor of cytokine signaling 2	Socs2	84607	2,78	down
6458182	7324052	1681418	suppressor of cytokine signaling 2	Socs2	84607	2,51	up
6456316	7324052	1681418	suppressor of cytokine signaling 2	Socs2	84607	1,31	down
5705324	7324052	1681418	suppressor of cytokine signaling 2	Socs2	84607	1,03	up
6193765	7324052	1681417	suppressor of cytokine signaling 2	Socs2	84607	1,01	up
6422609	7294851	1608366	suppressor of cytokine signaling 5	Socs5	500616	1,95	up
5994170	7294851	1608366	suppressor of cytokine signaling 5	Socs5	500616	1,20	up
6193689	7294851	1608366	suppressor of cytokine signaling 5	Socs5	500616	1,14	up
5788810	7294851	1608362	suppressor of cytokine signaling 5	Socs5	500616	1,13	up
5824410	7294851	1608365	suppressor of cytokine signaling 5	Socs5	500616	1,03	up
6505221	7294851	1608362	suppressor of cytokine signaling 5	Socs5	500616	1,02	up
5807110	7071714	1060366	suppressor of cytokine signaling 7	Socs7	287659	1,28	up
5895929	7098810	1124659	suppressor of defective silencing 3 homolog (<i>S. cerevisiae</i>)	Suds3	360819	1,39	down
6209558	7098810	1124659	suppressor of defective silencing 3 homolog (<i>S. cerevisiae</i>)	Suds3	360819	1,25	up
6201282	7098810	1124659	suppressor of defective silencing 3 homolog (<i>S. cerevisiae</i>)	Suds3	360819	1,12	down
6350215	7098810	1124659	suppressor of defective silencing 3 homolog (<i>S. cerevisiae</i>)	Suds3	360819	1,08	up
6274978	7098810	1124659	suppressor of defective silencing 3 homolog (<i>S. cerevisiae</i>)	Suds3	360819	1,05	down
5865315	7197549	1369235	suppressor of IKK epsilon	Sike	362007	2,08	down
6240412	7197549	1369236	suppressor of IKK epsilon	Sike	362007	1,70	down
6439664	7197549	1369231	suppressor of IKK epsilon	Sike	362007	1,46	down
6731077	7197549	1369233	suppressor of IKK epsilon	Sike	362007	1,31	down
6746903	7197549	1369235	suppressor of IKK epsilon	Sike	362007	1,31	up
5884411	7197549	1369236	suppressor of IKK epsilon	Sike	362007	1,22	up
6249079	7197549	1369236	suppressor of IKK epsilon	Sike	362007	1,16	down
6217878	7197549	1369231	suppressor of IKK epsilon	Sike	362007	1,13	up
6119529	7197549	1369236	suppressor of IKK epsilon	Sike	362007	1,07	down
6276255	7197549	1369232	suppressor of IKK epsilon	Sike	362007	1,04	down
5836273	7197549	1369234	suppressor of IKK epsilon	Sike	362007	1,03	up
6524956	7197549	1369231	suppressor of IKK epsilon	Sike	362007	1,02	down
6097098	7359789	1769128	suppressor of Ty 3 homolog (<i>S. cerevisiae</i>)	Supt3h	685697	1,90	down
6724769	7359789	1769140	suppressor of Ty 3 homolog (<i>S. cerevisiae</i>)	Supt3h	685697	1,53	up
6481265	7359789	1769129	suppressor of Ty 3 homolog (<i>S. cerevisiae</i>)	Supt3h	685697	1,33	up

5947819	7359789	1769124	suppressor of Ty 3 homolog (S. cerevisiae)	Supt3h	685697	1,31	down
6715620	7359789	1769141	suppressor of Ty 3 homolog (S. cerevisiae)	Supt3h	685697	1,27	up
6256842	7359789	1769127	suppressor of Ty 3 homolog (S. cerevisiae)	Supt3h	685697	1,14	down
6670938	7359789	1769139	suppressor of Ty 3 homolog (S. cerevisiae)	Supt3h	685697	1,13	down
5664000	7359789	1769127	suppressor of Ty 3 homolog (S. cerevisiae)	Supt3h	685697	1,13	up
5651083	7359789	1769129	suppressor of Ty 3 homolog (S. cerevisiae)	Supt3h	685697	1,08	up
5776944	7254851	1509823	surfactant protein B	Sftpb	192155	2,19	down
6309971	7254851	1509825	surfactant protein B	Sftpb	192155	1,69	up
5900009	7254851	1509822	surfactant protein B	Sftpb	192155	1,31	up
5642072	7254851	1509821	surfactant protein B	Sftpb	192155	1,27	up
5648203	7254851	1509818	surfactant protein B	Sftpb	192155	1,22	up
6300434	7254851	1509817	surfactant protein B	Sftpb	192155	1,17	up
6598278	7254851	1509825	surfactant protein B	Sftpb	192155	1,16	down
6089592	7254851	1509824	surfactant protein B	Sftpb	192155	1,16	down
5637807	7254851	1509827	surfactant protein B	Sftpb	192155	1,14	down
6445827	7254851	1509823	surfactant protein B	Sftpb	192155	1,14	up
6738492	7254851	1509823	surfactant protein B	Sftpb	192155	1,09	down
5867051	7254851	1509820	surfactant protein B	Sftpb	192155	1,09	down
5630725	7254851	1509819	surfactant protein B	Sftpb	192155	1,08	down
6734992	7254851	1509826	surfactant protein B	Sftpb	192155	1,07	down
6243564	7254851	1509824	surfactant protein B	Sftpb	192155	1,02	up
5804057	7225506	1435860	surfeit 2	Surf2	619345	2,07	down
6418835	7225506	1435865	surfeit 2	Surf2	619345	1,25	down
6226207	7225506	1435863	surfeit 2	Surf2	619345	1,17	up
5764412	7225506	1435866	surfeit 2	Surf2	619345	1,12	down
6514870	7225506	1435863	surfeit 2	Surf2	619345	1,08	down
6200497	7225506	1435862	surfeit 2	Surf2	619345	1,04	down
6502036	7225506	1435864	surfeit 2	Surf2	619345	1,02	down
6103741	7225506	1435861	surfeit 2	Surf2	619345	1,01	up
5648271	7188879	1346749	survival motor neuron 1	Smn1	64301	2,54	down
5646775	7188879	1346751	survival motor neuron 1	Smn1	64301	1,52	up
6739236	7188879	1346758	survival motor neuron 1	Smn1	64301	1,51	down
6374076	7188879	1346755	survival motor neuron 1	Smn1	64301	1,43	down
6718378	7188879	1346758	survival motor neuron 1	Smn1	64301	1,37	up
6526633	7188879	1346754	survival motor neuron 1	Smn1	64301	1,27	down
6661043	7188879	1346753	survival motor neuron 1	Smn1	64301	1,19	up
5769865	7188879	1346756	survival motor neuron 1	Smn1	64301	1,19	up
5789339	7188879	1346750	survival motor neuron 1	Smn1	64301	1,10	down
5963453	7188879	1346757	survival motor neuron 1	Smn1	64301	1,08	down
6581158	7188879	1346752	survival motor neuron 1	Smn1	64301	1,05	up
6221715	7063873	1040645	survival motor neuron domain containing 1	Smndc1	287768	2,37	up
6311525	7063873	1040644	survival motor neuron domain containing 1	Smndc1	287768	1,79	up
6186202	7063873	1040653	survival motor neuron domain containing 1	Smndc1	287768	1,64	down
6441404	7063873	1040649	survival motor neuron domain containing 1	Smndc1	287768	1,52	up
6045895	7063873	1040643	survival motor neuron domain containing 1	Smndc1	287768	1,50	up
6527328	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,36	up
5693312	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,28	down
6732361	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,27	down
6647506	7063873	1040646	survival motor neuron domain containing 1	Smndc1	287768	1,07	up
6617154	7063873	1040642	survival motor neuron domain containing 1	Smndc1	287768	1,02	up
6654543	7298534	1617981	survival of motor neuron protein interacting protein 1	Sip1	84404	2,18	down
6465092	7298534	1617983	survival of motor neuron protein interacting protein 1	Sip1	84404	1,44	up
5632597	7298534	1617978	survival of motor neuron protein interacting protein 1	Sip1	84404	1,32	up
6271614	7298534	1617975	survival of motor neuron protein interacting protein 1	Sip1	84404	1,30	up
6445600	7298534	1617976	survival of motor neuron protein interacting protein 1	Sip1	84404	1,22	down
5883086	7298534	1617980	survival of motor neuron protein interacting protein 1	Sip1	84404	1,16	up
6064081	7298534	1617983	survival of motor neuron protein interacting protein 1	Sip1	84404	1,15	up

6341235	7298534	1617977	survival of motor neuron protein interacting protein 1	Sip1	84404	1,14	up
6432715	7298534	1617982	survival of motor neuron protein interacting protein 1	Sip1	84404	1,12	up
6578009	7298534	1617974	survival of motor neuron protein interacting protein 1	Sip1	84404	1,00	down
6247193	7099016	1125274	SV2 related protein	Svop	171442	2,28	up
6465304	7099016	1125279	SV2 related protein	Svop	171442	1,45	up
6337553	7099016	1125275	SV2 related protein	Svop	171442	1,39	up
5693684	7099016	1125277	SV2 related protein	Svop	171442	1,38	down
6523896	7099016	1125282	SV2 related protein	Svop	171442	1,30	up
6422607	7099016	1125286	SV2 related protein	Svop	171442	1,30	down
6173163	7099016	1125289	SV2 related protein	Svop	171442	1,28	down
6401711	7099016	1125274	SV2 related protein	Svop	171442	1,25	up
5793072	7099016	1125284	SV2 related protein	Svop	171442	1,15	up
5832283	7099016	1125281	SV2 related protein	Svop	171442	1,14	down
6720072	7099016	1125288	SV2 related protein	Svop	171442	1,14	up
5787955	7099016	1125283	SV2 related protein	Svop	171442	1,13	down
6349741	7099016	1125287	SV2 related protein	Svop	171442	1,12	down
5798317	7099016	1125285	SV2 related protein	Svop	171442	1,10	down
6662710	7099016	1125276	SV2 related protein	Svop	171442	1,09	down
6725524	7099016	1125278	SV2 related protein	Svop	171442	1,05	down
6395544	7099016	1125280	SV2 related protein	Svop	171442	1,01	up
6243286	7035414	974472	SWAP-70 protein	Swap70	293410	1,74	down
6269025	7035414	974467	SWAP-70 protein	Swap70	293410	1,73	up
6197886	7035414	974463	SWAP-70 protein	Swap70	293410	1,57	down
6193956	7035414	974465	SWAP-70 protein	Swap70	293410	1,53	down
6304065	7035414	974469	SWAP-70 protein	Swap70	293410	1,43	up
6459062	7035414	974475	SWAP-70 protein	Swap70	293410	1,41	up
6211812	7035414	974470	SWAP-70 protein	Swap70	293410	1,20	down
5740215	7035414	974473	SWAP-70 protein	Swap70	293410	1,20	down
6532372	7035414	974466	SWAP-70 protein	Swap70	293410	1,14	down
6439789	7035414	974474	SWAP-70 protein	Swap70	293410	1,09	down
6405054	7035414	974476	SWAP-70 protein	Swap70	293410	1,09	down
6450595	7035414	974471	SWAP-70 protein	Swap70	293410	1,08	down
6577156	7035414	974468	SWAP-70 protein	Swap70	293410	1,01	down
6527570	7355865	1759586	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	2,23	down
5945499	7355865	1759601	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,57	up
6716460	7355865	1759583	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,48	up
6696372	7355865	1759602	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,47	up
6735997	7355865	1759600	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,44	down
6282387	7355865	1759589	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,42	up
5805463	7355865	1759603	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,41	down
5823652	7355865	1759592	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,36	up
6293431	7355865	1759597	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,35	up
5982924	7355865	1759595	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,24	up
6721070	7355865	1759604	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,23	down
6668058	7355865	1759581	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,23	down
6549727	7355865	1759598	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,19	down
6671252	7355865	1759604	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,16	up
5827879	7355865	1759591	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,13	up
6385378	7355865	1759582	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,12	up
6616050	7355865	1759585	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,10	down
6396327	7355865	1759584	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,08	down
6667199	7355865	1759585	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,05	down
5829448	7355865	1759594	Swi/SNF related matrix associated, actin dependent regulator of chromatin, subfamily a-like 1	Smarc11	316477	1,03	up
5783495	7217798	1417611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	2,09	up
5642304	7217798	1417601	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,46	down
6235538	7217798	1417611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,32	up
6640487	7217798	1417611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,30	down

6208986	7217798	1417606	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,21	down
5788162	7217798	1417604	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,19	up
6626781	7217798	1417601	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,15	down
6680642	7217798	1417611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,09	down
5950551	7217798	1417601	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,07	down
6090879	7217798	1417605	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,06	up
6342783	7217798	1417609	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,06	up
5621363	7217798	1417611	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,04	down
6058697	7217798	1417607	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,03	up
5799934	7217798	1417608	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,03	up
5793142	7217798	1417602	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily b, member 1	Smarcb1	361825	1,01	up
6403148	7340646	1721613	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	2,15	down
6126046	7340646	1721606	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	2,12	down
5977008	7340646	1721608	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,52	up
5899824	7340646	1721581	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,52	down
5860297	7340646	1721600	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,46	up
6003208	7340646	1721597	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,38	up
5852168	7340646	1721612	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,36	down
6058766	7340646	1721591	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,33	up
6703055	7340646	1721585	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,30	up
6664037	7340646	1721582	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,25	up
6076995	7340646	1721587	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,24	up
5695383	7340646	1721607	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,22	down
6317323	7340646	1721610	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,19	up
5868351	7340646	1721612	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,18	down
6363551	7340646	1721593	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,18	up
6095828	7340646	1721584	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,17	up
6473037	7340646	1721603	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,17	down
6043125	7340646	1721612	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,17	up
6204720	7340646	1721594	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,16	down
6550529	7340646	1721604	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,13	down
6484197	7340646	1721602	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,12	up
6041453	7340646	1721599	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,11	up
5980748	7340646	1721608	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,11	down
5762697	7340646	1721587	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,09	up
6145811	7340646	1721612	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,07	down
6577913	7340646	1721598	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,07	down
6630391	7340646	1721583	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,06	down
6360299	7340646	1721612	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,05	up
5657806	7340646	1721591	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,05	down
6611324	7340646	1721609	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,03	down
5993802	7340646	1721610	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,03	down
6363370	7340646	1721605	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,03	down
5925599	7340646	1721595	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,03	down
6086043	7340646	1721592	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,02	down
6357115	7340646	1721586	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,01	down
5855671	7340646	1721590	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 1	Smarcc1	301020	1,01	up
5653117	7312686	1653625	synapse defective 1, Rho GTPase, homolog 1 (C. elegans)	Syde1	362842	1,04	down
6163907	7026892	953659	synaptojanin 2	Synj2	84018	2,36	down
5840049	7026892	953665	synaptojanin 2	Synj2	84018	1,85	up
6275401	7026892	953671	synaptojanin 2	Synj2	84018	1,71	down
6254139	7026892	953671	synaptojanin 2	Synj2	84018	1,64	up
6062313	7026892	953646	synaptojanin 2	Synj2	84018	1,60	up
5965157	7026892	953656	synaptojanin 2	Synj2	84018	1,53	down
6219842	7026892	953649	synaptojanin 2	Synj2	84018	1,52	up
6495532	7026892	953657	synaptojanin 2	Synj2	84018	1,43	up
6199521	7026892	953672	synaptojanin 2	Synj2	84018	1,36	down

6361962	7026892	953667	synaptojanin 2	Synj2	84018	1,36	down
5634785	7026892	953655	synaptojanin 2	Synj2	84018	1,30	up
6673849	7026892	953664	synaptojanin 2	Synj2	84018	1,30	up
6142505	7026892	953653	synaptojanin 2	Synj2	84018	1,24	down
6217262	7026892	953647	synaptojanin 2	Synj2	84018	1,20	down
5687822	7026892	953669	synaptojanin 2	Synj2	84018	1,19	down
6390597	7026892	953672	synaptojanin 2	Synj2	84018	1,18	down
6163248	7026892	953647	synaptojanin 2	Synj2	84018	1,16	down
6125043	7026892	953651	synaptojanin 2	Synj2	84018	1,15	up
5811795	7026892	953646	synaptojanin 2	Synj2	84018	1,13	up
5960997	7026892	953670	synaptojanin 2	Synj2	84018	1,12	down
5741903	7026892	953666	synaptojanin 2	Synj2	84018	1,11	down
6164127	7026892	953654	synaptojanin 2	Synj2	84018	1,10	up
5626673	7026892	953668	synaptojanin 2	Synj2	84018	1,09	down
5691977	7026892	953660	synaptojanin 2	Synj2	84018	1,08	down
6344249	7026892	953661	synaptojanin 2	Synj2	84018	1,07	down
6295714	7026892	953658	synaptojanin 2	Synj2	84018	1,06	up
5838628	7026892	953672	synaptojanin 2	Synj2	84018	1,06	down
6622157	7026892	953650	synaptojanin 2	Synj2	84018	1,06	up
6649954	7026892	953650	synaptojanin 2	Synj2	84018	1,05	down
6200189	7026892	953648	synaptojanin 2	Synj2	84018	1,04	down
6261024	7026892	953662	synaptojanin 2	Synj2	84018	1,04	up
5829237	7026892	953663	synaptojanin 2	Synj2	84018	1,02	up
6519397	7026892	953652	synaptojanin 2	Synj2	84018	1,00	up
6478443	7248683	1494116	synaptonemal complex protein 2	Sycp2	83820	2,65	down
5763938	7248683	1494135	synaptonemal complex protein 2	Sycp2	83820	2,08	up
6744412	7248683	1494146	synaptonemal complex protein 2	Sycp2	83820	2,02	down
6459673	7248683	1494143	synaptonemal complex protein 2	Sycp2	83820	1,97	down
5834349	7248683	1494147	synaptonemal complex protein 2	Sycp2	83820	1,96	up
6451601	7248683	1494144	synaptonemal complex protein 2	Sycp2	83820	1,73	down
5776570	7248683	1494133	synaptonemal complex protein 2	Sycp2	83820	1,54	down
5673412	7248683	1494140	synaptonemal complex protein 2	Sycp2	83820	1,48	down
6080656	7248683	1494111	synaptonemal complex protein 2	Sycp2	83820	1,47	up
5924699	7248683	1494110	synaptonemal complex protein 2	Sycp2	83820	1,33	up
6632191	7248683	1494148	synaptonemal complex protein 2	Sycp2	83820	1,29	up
6598669	7248683	1494123	synaptonemal complex protein 2	Sycp2	83820	1,29	down
5654427	7248683	1494138	synaptonemal complex protein 2	Sycp2	83820	1,27	down
5665537	7248683	1494115	synaptonemal complex protein 2	Sycp2	83820	1,26	down
6228263	7248683	1494136	synaptonemal complex protein 2	Sycp2	83820	1,23	down
6283122	7248683	1494107	synaptonemal complex protein 2	Sycp2	83820	1,19	up
6633720	7248683	1494114	synaptonemal complex protein 2	Sycp2	83820	1,19	down
5951883	7248683	1494120	synaptonemal complex protein 2	Sycp2	83820	1,16	down
5703407	7248683	1494130	synaptonemal complex protein 2	Sycp2	83820	1,16	up
6714431	7248683	1494112	synaptonemal complex protein 2	Sycp2	83820	1,14	up
6557424	7248683	1494128	synaptonemal complex protein 2	Sycp2	83820	1,13	up
6051506	7248683	1494108	synaptonemal complex protein 2	Sycp2	83820	1,13	up
6035072	7248683	1494109	synaptonemal complex protein 2	Sycp2	83820	1,12	up
6584271	7248683	1494106	synaptonemal complex protein 2	Sycp2	83820	1,12	up
6118008	7248683	1494117	synaptonemal complex protein 2	Sycp2	83820	1,12	down
6418997	7248683	1494137	synaptonemal complex protein 2	Sycp2	83820	1,11	down
6155978	7248683	1494106	synaptonemal complex protein 2	Sycp2	83820	1,09	down
6253799	7248683	1494124	synaptonemal complex protein 2	Sycp2	83820	1,08	down
6523921	7248683	1494129	synaptonemal complex protein 2	Sycp2	83820	1,08	up
5659786	7248683	1494112	synaptonemal complex protein 2	Sycp2	83820	1,08	down
5831528	7248683	1494142	synaptonemal complex protein 2	Sycp2	83820	1,07	up
6370524	7248683	1494126	synaptonemal complex protein 2	Sycp2	83820	1,06	up
6391561	7248683	1494125	synaptonemal complex protein 2	Sycp2	83820	1,04	up

5711048	7248683	1494118	synaptonemal complex protein 2	Sycp2	83820	1,04	down
5822588	7248683	1494139	synaptonemal complex protein 2	Sycp2	83820	1,04	down
5969498	7248683	1494148	synaptonemal complex protein 2	Sycp2	83820	1,04	up
5982495	7248683	1494132	synaptonemal complex protein 2	Sycp2	83820	1,04	up
6703329	7248683	1494121	synaptonemal complex protein 2	Sycp2	83820	1,04	up
6550080	7248683	1494145	synaptonemal complex protein 2	Sycp2	83820	1,03	down
5732512	7248683	1494127	synaptonemal complex protein 2	Sycp2	83820	1,03	up
5801630	7248683	1494119	synaptonemal complex protein 2	Sycp2	83820	1,03	up
6184378	7248683	1494131	synaptonemal complex protein 2	Sycp2	83820	1,02	up
6123550	7248683	1494122	synaptonemal complex protein 2	Sycp2	83820	1,02	up
6163152	7248683	1494113	synaptonemal complex protein 2	Sycp2	83820	1,01	up
6370348	7248683	1494141	synaptonemal complex protein 2	Sycp2	83820	1,00	up
6683481	7248683	1494134	synaptonemal complex protein 2	Sycp2	83820	1,00	up
5847182	7082667	1085385	synaptonemal complex protein SC65	Sc65	59101	2,60	down
5835255	7082667	1085383	synaptonemal complex protein SC65	Sc65	59101	1,85	down
5974134	7082667	1085380	synaptonemal complex protein SC65	Sc65	59101	1,46	up
6669633	7082667	1085381	synaptonemal complex protein SC65	Sc65	59101	1,20	down
5781808	7082667	1085382	synaptonemal complex protein SC65	Sc65	59101	1,20	down
5881871	7082667	1085379	synaptonemal complex protein SC65	Sc65	59101	1,12	up
6557478	7082667	1085386	synaptonemal complex protein SC65	Sc65	59101	1,05	up
5669920	7082667	1085384	synaptonemal complex protein SC65	Sc65	59101	1,02	up
5643598	7078060	1075273	synaptosomal-associated protein, 47	Snap47	303183	2,16	down
5804639	7078060	1075271	synaptosomal-associated protein, 47	Snap47	303183	1,38	down
6548394	7078060	1075272	synaptosomal-associated protein, 47	Snap47	303183	1,12	up
6730804	7078060	1075270	synaptosomal-associated protein, 47	Snap47	303183	1,11	down
6706114	7078060	1075274	synaptosomal-associated protein, 47	Snap47	303183	1,10	up
6239994	7078060	1075274	synaptosomal-associated protein, 47	Snap47	303183	1,09	up
6331866	7078060	1075275	synaptosomal-associated protein, 47	Snap47	303183	1,00	up
5792944	7324760	1683054	synaptotagmin I	Syt1	25716	2,05	down
6260178	7324760	1683099	synaptotagmin I	Syt1	25716	1,64	down
5757254	7324760	1683081	synaptotagmin I	Syt1	25716	1,64	down
6451288	7324760	1683070	synaptotagmin I	Syt1	25716	1,33	down
6294382	7324760	1683069	synaptotagmin I	Syt1	25716	1,27	up
5873976	7324760	1683087	synaptotagmin I	Syt1	25716	1,22	down
5845065	7324760	1683032	synaptotagmin I	Syt1	25716	1,21	up
6229945	7324760	1683093	synaptotagmin I	Syt1	25716	1,21	down
5656998	7324760	1683035	synaptotagmin I	Syt1	25716	1,21	down
6699105	7324760	1683068	synaptotagmin I	Syt1	25716	1,11	down
6432383	7324760	1683033	synaptotagmin I	Syt1	25716	1,09	down
5994826	7324760	1683099	synaptotagmin I	Syt1	25716	1,08	up
6364909	7324760	1683032	synaptotagmin I	Syt1	25716	1,07	up
5618059	7324760	1683071	synaptotagmin I	Syt1	25716	1,02	up
6485830	7324760	1683033	synaptotagmin I	Syt1	25716	1,02	up
6110424	7324760	1683035	synaptotagmin I	Syt1	25716	1,01	down
6126328	7105320	1140885	synaptotagmin II	Syt2	24805	2,20	down
6017145	7105320	1140887	synaptotagmin II	Syt2	24805	1,55	up
6057038	7105320	1140882	synaptotagmin II	Syt2	24805	1,36	down
6442671	7105320	1140888	synaptotagmin II	Syt2	24805	1,22	down
6555890	7105320	1140883	synaptotagmin II	Syt2	24805	1,22	down
6094558	7105320	1140882	synaptotagmin II	Syt2	24805	1,11	up
6448898	7105320	1140884	synaptotagmin II	Syt2	24805	1,07	down
6518176	7105320	1140880	synaptotagmin II	Syt2	24805	1,04	down
6386401	7105320	1140886	synaptotagmin II	Syt2	24805	1,04	up
6525306	7105320	1140881	synaptotagmin II	Syt2	24805	1,03	up
6515009	7031293	963515	synaptotagmin III	Syt3	25731	2,05	up
6075255	7031293	963510	synaptotagmin III	Syt3	25731	1,71	up
6303841	7031293	963513	synaptotagmin III	Syt3	25731	1,71	up

6219356	7031293	963516	synaptotagmin III	Syt3	25731	1,71	down
6422275	7031293	963519	synaptotagmin III	Syt3	25731	1,68	up
6538110	7031293	963512	synaptotagmin III	Syt3	25731	1,49	down
6230861	7031293	963518	synaptotagmin III	Syt3	25731	1,47	down
5985770	7031293	963517	synaptotagmin III	Syt3	25731	1,46	down
5846194	7031293	963520	synaptotagmin III	Syt3	25731	1,44	down
6206469	7031293	963513	synaptotagmin III	Syt3	25731	1,36	up
5839214	7031293	963515	synaptotagmin III	Syt3	25731	1,31	down
6701941	7031293	963514	synaptotagmin III	Syt3	25731	1,18	up
6187260	7031293	963513	synaptotagmin III	Syt3	25731	1,17	up
6455799	7031293	963511	synaptotagmin III	Syt3	25731	1,00	down
5645585	7230224	1447825	synaptotagmin XIII	Syt13	80977	2,48	up
6494296	7230224	1447826	synaptotagmin XIII	Syt13	80977	1,36	up
6333856	7230224	1447830	synaptotagmin XIII	Syt13	80977	1,26	down
5989554	7230224	1447827	synaptotagmin XIII	Syt13	80977	1,17	down
6720520	7230224	1447829	synaptotagmin XIII	Syt13	80977	1,14	down
5871139	7230224	1447826	synaptotagmin XIII	Syt13	80977	1,09	down
5749586	7230224	1447825	synaptotagmin XIII	Syt13	80977	1,06	up
5757998	7230224	1447830	synaptotagmin XIII	Syt13	80977	1,03	down
5707156	7230224	1447828	synaptotagmin XIII	Syt13	80977	1,01	down
6205695	7296103	1611393	syndecan 1	Sdc1	25216	2,12	down
5850135	7296103	1611394	syndecan 1	Sdc1	25216	1,39	down
6465449	7296103	1611396	syndecan 1	Sdc1	25216	1,38	up
6373323	7296103	1611395	syndecan 1	Sdc1	25216	1,31	up
6185733	7296103	1611396	syndecan 1	Sdc1	25216	1,29	up
6388036	7296103	1611393	syndecan 1	Sdc1	25216	1,10	up
5787345	7296103	1611392	syndecan 1	Sdc1	25216	1,08	up
6403516	7296103	1611391	syndecan 1	Sdc1	25216	1,08	up
6653276	7296103	1611392	syndecan 1	Sdc1	25216	1,07	down
6342733	7296103	1611396	syndecan 1	Sdc1	25216	1,02	down
5772719	7057600	1026071	syntaxin 1B	Stx1b	24923	2,24	down
6394331	7057600	1026062	syntaxin 1B	Stx1b	24923	1,91	up
6052904	7057600	1026068	syntaxin 1B	Stx1b	24923	1,70	down
6424361	7057600	1026058	syntaxin 1B	Stx1b	24923	1,52	up
5621383	7057600	1026060	syntaxin 1B	Stx1b	24923	1,46	up
5806818	7057600	1026060	syntaxin 1B	Stx1b	24923	1,43	up
6020637	7057600	1026069	syntaxin 1B	Stx1b	24923	1,37	down
6337824	7057600	1026061	syntaxin 1B	Stx1b	24923	1,23	up
6476612	7057600	1026070	syntaxin 1B	Stx1b	24923	1,22	up
6421194	7057600	1026059	syntaxin 1B	Stx1b	24923	1,19	up
5835572	7057600	1026058	syntaxin 1B	Stx1b	24923	1,12	down
6668406	7057600	1026064	syntaxin 1B	Stx1b	24923	1,08	down
5658872	7057600	1026067	syntaxin 1B	Stx1b	24923	1,06	down
6400077	7057600	1026066	syntaxin 1B	Stx1b	24923	1,02	down
6328437	7057600	1026063	syntaxin 1B	Stx1b	24923	1,00	up
6698824	7057600	1026065	syntaxin 1B	Stx1b	24923	1,00	up
5684300	7044070	995764	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	2,97	up
6480969	7044070	995764	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,85	up
5658993	7044070	995762	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,63	up
6553524	7044070	995764	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,52	up
5709359	7044070	995745	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,46	down
6652756	7044070	995737	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,39	up
5624458	7044070	995761	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,38	up
5668421	7044070	995740	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,37	up
5924798	7044070	995759	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,36	down
5696471	7044070	995741	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,32	up
5765927	7044070	995757	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,23	up

6352606	7044070	995751	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,21	up
6034202	7044070	995748	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,18	down
6624711	7044070	995741	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,17	up
5921443	7044070	995764	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,14	down
5727567	7044070	995750	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,14	up
5950320	7044070	995764	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,14	down
6401487	7044070	995743	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,14	down
5931390	7044070	995741	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,13	down
6444535	7044070	995738	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,12	up
6319100	7044070	995744	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,10	up
6667157	7044070	995763	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,10	up
6410383	7044070	995739	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,10	up
6716644	7044070	995754	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,09	up
6671574	7044070	995760	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,09	up
6421174	7044070	995749	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,08	down
6675358	7044070	995742	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,08	up
6309035	7044070	995747	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,05	down
5924206	7044070	995737	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,05	down
5933898	7044070	995760	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,05	down
6113960	7044070	995753	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,05	down
6635811	7044070	995752	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,04	down
5750608	7044070	995755	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,04	down
6483414	7044070	995756	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,03	down
6376172	7044070	995755	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,03	up
6542672	7044070	995758	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,02	down
6502823	7044070	995760	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,02	down
5632724	7044070	995749	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,02	up
6116905	7044070	995746	syntaxin binding protein 5 (tomosyn)	Stxbp5	81022	1,00	up
6344148	7272110	1553056	syntrophin, gamma 1	Sntg1	500394	2,13	down
5632498	7272110	1553051	syntrophin, gamma 1	Sntg1	500394	1,32	up
6711022	7272110	1553084	syntrophin, gamma 1	Sntg1	500394	1,19	down
6398323	7272110	1553063	syntrophin, gamma 1	Sntg1	500394	1,15	up
5752533	7272110	1553084	syntrophin, gamma 1	Sntg1	500394	1,15	up
6530098	7272110	1553084	syntrophin, gamma 1	Sntg1	500394	1,14	down
6083973	7272110	1553058	syntrophin, gamma 1	Sntg1	500394	1,08	down
5641272	7272110	1553047	syntrophin, gamma 1	Sntg1	500394	1,08	down
5920232	7272110	1553051	syntrophin, gamma 1	Sntg1	500394	1,06	up
6270383	7272110	1553057	syntrophin, gamma 1	Sntg1	500394	1,06	down
6547094	7272110	1553059	syntrophin, gamma 1	Sntg1	500394	1,05	down
6351419	7265309	1535585	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	2,38	up
5984868	7265309	1535588	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,56	down
6451646	7265309	1535588	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,37	down
6311854	7265309	1535586	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,36	up
6081424	7265309	1535583	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,16	down
5661181	7265309	1535583	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,09	up
6653622	7265309	1535587	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,08	down
6088862	7265309	1535584	synuclein, alpha (non A4 component of amyloid precursor)	Snca	29219	1,04	down
6302395	7199454	1374484	tachykinin receptor 3	Tacr3	24808	2,02	down
5737986	7199454	1374488	tachykinin receptor 3	Tacr3	24808	1,58	down
6219725	7199454	1374484	tachykinin receptor 3	Tacr3	24808	1,42	up
5882244	7199454	1374487	tachykinin receptor 3	Tacr3	24808	1,41	up
5713029	7199454	1374487	tachykinin receptor 3	Tacr3	24808	1,37	up
5765619	7199454	1374486	tachykinin receptor 3	Tacr3	24808	1,31	down
6002131	7199454	1374483	tachykinin receptor 3	Tacr3	24808	1,29	up
6742113	7199454	1374483	tachykinin receptor 3	Tacr3	24808	1,13	down
6405506	7199454	1374485	tachykinin receptor 3	Tacr3	24808	1,04	up
6665725	7376073	1811729	TAFI RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf1	317256	1,69	up

5889768	7070461	1057379	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,82	down
6101128	7070461	1057379	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,55	down
6728988	7070461	1057372	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,48	down
6687688	7070461	1057367	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,44	up
6223920	7070461	1057375	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,34	down
5807497	7070461	1057373	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,24	down
6094413	7070461	1057368	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,21	down
6723004	7070461	1057366	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,20	up
6267226	7070461	1057363	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,19	up
6630090	7070461	1057376	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,16	down
6369883	7070461	1057374	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,16	up
5688977	7070461	1057365	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,16	up
6400422	7070461	1057370	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,14	up
6153527	7070461	1057371	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,12	up
5642695	7070461	1057364	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,11	up
6298027	7070461	1057378	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,09	down
5827714	7070461	1057361	TAF15 RNA polymerase II, TATA box binding protein (TBP)-associated factor	Taf15	287571	1,02	down
6456227	7060195	1031967	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	2,81	up
5976992	7060195	1031974	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,90	down
6708918	7060195	1031961	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,85	down
6267510	7060195	1031969	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,72	up
5834253	7060195	1031964	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,44	down
6538554	7060195	1031966	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,30	up
5679554	7060195	1031963	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,23	up
6142287	7060195	1031961	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,20	down
5955868	7060195	1031961	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,19	down
6369199	7060195	1031970	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,14	up
5815983	7060195	1031971	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,11	up
6240223	7060195	1031968	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,11	down
5850082	7060195	1031962	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,03	down
6052676	7060195	1031965	TAF6-like RNA polymerase II, p300/CBP-associated factor (PCAF)-associated factor	Taf6l	309194	1,01	down
5632161	7146245	1241337	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	2,16	down
5870040	7146245	1241369	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,38	up
5647188	7146245	1241341	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,38	up
6060382	7146245	1241367	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,37	up
6352863	7146245	1241349	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,33	down
6180088	7146245	1241375	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,32	up
6687546	7146245	1241368	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,31	up
6587068	7146245	1241359	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,25	up
5883608	7146245	1241354	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,23	up
6053305	7146245	1241364	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,19	down
6457849	7146245	1241370	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,19	down
6580025	7146245	1241338	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,18	up
6688229	7146245	1241358	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,16	up
6556964	7146245	1241353	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,13	up
5855453	7146245	1241365	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,11	down
5735660	7146245	1241357	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,11	up
6577335	7146245	1241343	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,11	down
5847473	7146245	1241371	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,10	down
5874519	7146245	1241372	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,09	up
5763022	7146245	1241337	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,08	down
5636915	7146245	1241360	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,08	down
6733512	7146245	1241356	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,07	down
6029628	7146245	1241337	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,06	down
6360698	7146245	1241361	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,05	down
5631388	7146245	1241376	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,05	up
6724457	7146245	1241341	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,05	up

5809916	7146245	1241348	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,04	down
6680137	7146245	1241363	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,04	up
6255803	7146245	1241355	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,03	down
5767210	7146245	1241366	tankyrase, TRF1-interacting ankyrin-related ADP-ribose polymerase	Tnks	290794	1,03	down
5839017	7057365	1025710	TAO kinase 2	Taok2	64666	3,09	up
6197038	7057365	1025696	TAO kinase 2	Taok2	64666	2,09	down
6436259	7057365	1025696	TAO kinase 2	Taok2	64666	1,44	down
5703558	7057365	1025696	TAO kinase 2	Taok2	64666	1,33	down
6153709	7057365	1025708	TAO kinase 2	Taok2	64666	1,24	down
6585674	7057365	1025711	TAO kinase 2	Taok2	64666	1,19	down
5675421	7057365	1025701	TAO kinase 2	Taok2	64666	1,17	up
6496229	7057365	1025703	TAO kinase 2	Taok2	64666	1,17	down
6292712	7057365	1025698	TAO kinase 2	Taok2	64666	1,15	up
6701597	7057365	1025696	TAO kinase 2	Taok2	64666	1,11	down
6096832	7057365	1025696	TAO kinase 2	Taok2	64666	1,11	up
5650489	7057365	1025710	TAO kinase 2	Taok2	64666	1,10	up
6364543	7057365	1025702	TAO kinase 2	Taok2	64666	1,10	up
6520033	7057365	1025696	TAO kinase 2	Taok2	64666	1,10	down
6507826	7057365	1025696	TAO kinase 2	Taok2	64666	1,09	down
5885815	7057365	1025696	TAO kinase 2	Taok2	64666	1,08	up
6608256	7057365	1025700	TAO kinase 2	Taok2	64666	1,08	up
6426183	7057365	1025696	TAO kinase 2	Taok2	64666	1,07	up
5951514	7057365	1025696	TAO kinase 2	Taok2	64666	1,05	down
6024406	7057365	1025705	TAO kinase 2	Taok2	64666	1,04	down
6684516	7057365	1025697	TAO kinase 2	Taok2	64666	1,03	down
6143908	7057365	1025704	TAO kinase 2	Taok2	64666	1,02	down
5717104	7057365	1025700	TAO kinase 2	Taok2	64666	1,02	up
6026280	7057365	1025706	TAO kinase 2	Taok2	64666	1,02	up
6452384	7057365	1025700	TAO kinase 2	Taok2	64666	1,02	up
6262324	7057365	1025707	TAO kinase 2	Taok2	64666	1,02	down
6234653	7057365	1025709	TAO kinase 2	Taok2	64666	1,02	down
5683009	7057365	1025696	TAO kinase 2	Taok2	64666	1,01	down
5819985	7057365	1025699	TAO kinase 2	Taok2	64666	1,01	up
5969037	7269637	1546244	TAP binding protein-like	Tapbpl	297602	5,16	down
6500547	7269637	1546244	TAP binding protein-like	Tapbpl	297602	2,99	down
6627381	7269637	1546242	TAP binding protein-like	Tapbpl	297602	2,09	up
6396412	7269637	1546240	TAP binding protein-like	Tapbpl	297602	1,96	up
6638851	7269637	1546237	TAP binding protein-like	Tapbpl	297602	1,83	up
6291763	7269637	1546238	TAP binding protein-like	Tapbpl	297602	1,78	up
6738829	7269637	1546244	TAP binding protein-like	Tapbpl	297602	1,74	down
5706447	7269637	1546241	TAP binding protein-like	Tapbpl	297602	1,38	up
6598106	7269637	1546239	TAP binding protein-like	Tapbpl	297602	1,23	up
6538593	7269637	1546237	TAP binding protein-like	Tapbpl	297602	1,06	up
5982239	7186130	1340572	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	2,06	up
5715079	7186130	1340560	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,84	down
6585256	7186130	1340559	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,50	down
6379763	7186130	1340563	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,39	down
5983443	7186130	1340573	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,39	down
5637228	7186130	1340562	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,35	up
6122704	7186130	1340563	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,34	up
5624083	7186130	1340564	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,24	up
5867054	7186130	1340566	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,22	up
5730583	7186130	1340560	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,21	down
5621275	7186130	1340566	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,18	up
5672705	7186130	1340573	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,13	down
6479137	7186130	1340569	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,12	down
6565535	7186130	1340568	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,09	down

5899547	7186130	1340560	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,07	down
6558739	7186130	1340567	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,06	up
6059625	7186130	1340565	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,04	down
5621591	7186130	1340570	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,04	up
5748965	7186130	1340571	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,04	down
6364848	7186130	1340561	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,03	down
5635014	7186130	1340573	TATA box binding protein (Tbp)-associated factor, RNA polymerase I, C	Taf1c	361420	1,02	up
5661115	7371253	1799592	TBC1 domain family, member 16	Tbc1d16	303734	2,38	down
5831074	7371253	1799574	TBC1 domain family, member 16	Tbc1d16	303734	1,50	down
6419400	7371253	1799562	TBC1 domain family, member 16	Tbc1d16	303734	1,46	down
5923786	7371253	1799567	TBC1 domain family, member 16	Tbc1d16	303734	1,37	up
5751721	7371253	1799568	TBC1 domain family, member 16	Tbc1d16	303734	1,37	up
5696430	7371253	1799570	TBC1 domain family, member 16	Tbc1d16	303734	1,36	up
6587670	7371253	1799571	TBC1 domain family, member 16	Tbc1d16	303734	1,17	down
5934100	7371253	1799572	TBC1 domain family, member 16	Tbc1d16	303734	1,11	down
6228417	7371253	1799593	TBC1 domain family, member 16	Tbc1d16	303734	1,05	up
5893527	7371253	1799594	TBC1 domain family, member 16	Tbc1d16	303734	1,03	down
6330199	7371253	1799575	TBC1 domain family, member 16	Tbc1d16	303734	1,01	down
6452059	7371253	1799564	TBC1 domain family, member 16	Tbc1d16	303734	1,00	down
6603268	7351568	1748847	TBC1 domain family, member 5	Tbc1d5	501088	2,50	up
6317607	7351568	1748776	TBC1 domain family, member 5	Tbc1d5	501088	1,65	down
6244826	7351568	1748797	TBC1 domain family, member 5	Tbc1d5	501088	1,29	down
6022613	7351568	1748773	TBC1 domain family, member 5	Tbc1d5	501088	1,28	down
5984556	7351568	1748812	TBC1 domain family, member 5	Tbc1d5	501088	1,24	up
5761983	7351568	1748836	TBC1 domain family, member 5	Tbc1d5	501088	1,17	down
6103108	7351568	1748843	TBC1 domain family, member 5	Tbc1d5	501088	1,15	down
5901936	7351568	1748809	TBC1 domain family, member 5	Tbc1d5	501088	1,14	up
5901318	7351568	1748799	TBC1 domain family, member 5	Tbc1d5	501088	1,14	down
6008512	7351568	1748837	TBC1 domain family, member 5	Tbc1d5	501088	1,13	up
6086932	7351568	1748800	TBC1 domain family, member 5	Tbc1d5	501088	1,13	down
6407774	7351568	1748853	TBC1 domain family, member 5	Tbc1d5	501088	1,12	up
5981019	7351568	1748823	TBC1 domain family, member 5	Tbc1d5	501088	1,12	up
6490646	7351568	1748812	TBC1 domain family, member 5	Tbc1d5	501088	1,11	up
6540260	7351568	1748798	TBC1 domain family, member 5	Tbc1d5	501088	1,11	down
5956994	7351568	1748790	TBC1 domain family, member 5	Tbc1d5	501088	1,10	down
6038946	7351568	1748852	TBC1 domain family, member 5	Tbc1d5	501088	1,09	up
6666112	7351568	1748854	TBC1 domain family, member 5	Tbc1d5	501088	1,09	down
6600206	7351568	1748855	TBC1 domain family, member 5	Tbc1d5	501088	1,09	up
6409067	7351568	1748796	TBC1 domain family, member 5	Tbc1d5	501088	1,09	down
6560511	7351568	1748810	TBC1 domain family, member 5	Tbc1d5	501088	1,08	down
6134825	7351568	1748827	TBC1 domain family, member 5	Tbc1d5	501088	1,08	up
5897013	7351568	1748807	TBC1 domain family, member 5	Tbc1d5	501088	1,03	down
6061774	7351568	1748811	TBC1 domain family, member 5	Tbc1d5	501088	1,01	up
6732584	7082041	1084019	TBK1 binding protein 1	Tbkbp1	266764	2,77	down
6245821	7082041	1084018	TBK1 binding protein 1	Tbkbp1	266764	2,61	down
5843980	7082041	1084009	TBK1 binding protein 1	Tbkbp1	266764	2,59	down
6212298	7082041	1084017	TBK1 binding protein 1	Tbkbp1	266764	2,50	up
6262768	7082041	1084018	TBK1 binding protein 1	Tbkbp1	266764	2,31	down
6026099	7082041	1084017	TBK1 binding protein 1	Tbkbp1	266764	2,07	up
6421691	7082041	1084016	TBK1 binding protein 1	Tbkbp1	266764	1,94	up
6449577	7082041	1084010	TBK1 binding protein 1	Tbkbp1	266764	1,93	up
5649319	7082041	1084011	TBK1 binding protein 1	Tbkbp1	266764	1,53	down
5950676	7082041	1084015	TBK1 binding protein 1	Tbkbp1	266764	1,51	up
6036870	7082041	1084018	TBK1 binding protein 1	Tbkbp1	266764	1,49	down
6228764	7082041	1084013	TBK1 binding protein 1	Tbkbp1	266764	1,49	up
5905817	7082041	1084014	TBK1 binding protein 1	Tbkbp1	266764	1,31	up
5739030	7082041	1084009	TBK1 binding protein 1	Tbkbp1	266764	1,27	up

6592498	7082041	1084012	TBK1 binding protein 1	Tbkbp1	266764	1,10	down
6205606	7082041	1084011	TBK1 binding protein 1	Tbkbp1	266764	1,01	down
6442442	7089762	1102988	T-box 1	Tbx1	360737	3,47	down
6273576	7089762	1102995	T-box 1	Tbx1	360737	1,66	down
6011060	7089762	1102984	T-box 1	Tbx1	360737	1,63	up
6737739	7089762	1102990	T-box 1	Tbx1	360737	1,45	up
6229933	7089762	1102994	T-box 1	Tbx1	360737	1,43	down
6100655	7089762	1102993	T-box 1	Tbx1	360737	1,40	up
6303127	7089762	1102989	T-box 1	Tbx1	360737	1,31	down
6410151	7089762	1102992	T-box 1	Tbx1	360737	1,20	down
5706999	7089762	1102996	T-box 1	Tbx1	360737	1,06	up
6418681	7089762	1102986	T-box 1	Tbx1	360737	1,05	up
5717285	7089762	1102988	T-box 1	Tbx1	360737	1,00	up
6451407	7089762	1102996	T-box 1	Tbx1	360737	1,00	up
6421004	7343279	1728124	T-box 20	Tbx20	315497	2,30	down
5638075	7343279	1728127	T-box 20	Tbx20	315497	1,37	up
5848487	7343279	1728127	T-box 20	Tbx20	315497	1,22	up
5641115	7343279	1728116	T-box 20	Tbx20	315497	1,13	down
6428754	7343279	1728122	T-box 20	Tbx20	315497	1,11	up
6477277	7343279	1728120	T-box 20	Tbx20	315497	1,10	down
6351121	7343279	1728116	T-box 20	Tbx20	315497	1,09	up
5718734	7343279	1728127	T-box 20	Tbx20	315497	1,05	down
6667570	7343279	1728121	T-box 20	Tbx20	315497	1,03	down
6442129	7343279	1728117	T-box 20	Tbx20	315497	1,03	down
6742470	7376398	1812487	T-box 22	Tbx22	302369	2,03	down
6330998	7376398	1812494	T-box 22	Tbx22	302369	1,44	up
6726558	7376398	1812492	T-box 22	Tbx22	302369	1,31	down
6082217	7376398	1812493	T-box 22	Tbx22	302369	1,29	down
6401032	7376398	1812496	T-box 22	Tbx22	302369	1,21	down
6640792	7376398	1812497	T-box 22	Tbx22	302369	1,13	up
6190500	7376398	1812497	T-box 22	Tbx22	302369	1,11	down
6439572	7376398	1812489	T-box 22	Tbx22	302369	1,10	down
6172339	7376398	1812488	T-box 22	Tbx22	302369	1,10	down
5900126	7376398	1812495	T-box 22	Tbx22	302369	1,04	down
6693380	7376398	1812497	T-box 22	Tbx22	302369	1,03	down
6667106	7376398	1812496	T-box 22	Tbx22	302369	1,01	down
5944880	7376398	1812496	T-box 22	Tbx22	302369	1,00	up
6092561	7036871	977873	T-box 6	Tbx6	365371	2,09	up
5749180	7036871	977874	T-box 6	Tbx6	365371	1,98	down
6211375	7036871	977877	T-box 6	Tbx6	365371	1,61	down
5692482	7036871	977877	T-box 6	Tbx6	365371	1,24	down
6441894	7036871	977875	T-box 6	Tbx6	365371	1,21	up
6528168	7036871	977880	T-box 6	Tbx6	365371	1,17	down
6460937	7036871	977873	T-box 6	Tbx6	365371	1,13	up
5702767	7036871	977879	T-box 6	Tbx6	365371	1,08	down
5618535	7036871	977876	T-box 6	Tbx6	365371	1,04	up
6070508	7036871	977873	T-box 6	Tbx6	365371	1,04	down
6368360	7036871	977878	T-box 6	Tbx6	365371	1,02	up
6162602	7348487	1741271	T-box18	Tbx18	315870	2,19	down
6097845	7348487	1741271	T-box18	Tbx18	315870	1,55	down
6524087	7348487	1741272	T-box18	Tbx18	315870	1,49	down
6415659	7348487	1741259	T-box18	Tbx18	315870	1,46	up
6186026	7348487	1741259	T-box18	Tbx18	315870	1,44	up
6573331	7348487	1741263	T-box18	Tbx18	315870	1,44	down
6144613	7348487	1741269	T-box18	Tbx18	315870	1,30	up
6702996	7348487	1741269	T-box18	Tbx18	315870	1,27	up
6529367	7348487	1741271	T-box18	Tbx18	315870	1,16	down

5653894	7348487	1741269	T-box18	Tbx18	315870	1,12	down
6142422	7348487	1741261	T-box18	Tbx18	315870	1,10	up
6220265	7348487	1741264	T-box18	Tbx18	315870	1,08	up
6611408	7348487	1741259	T-box18	Tbx18	315870	1,05	up
6239315	7348487	1741266	T-box18	Tbx18	315870	1,04	up
6067415	7348487	1741259	T-box18	Tbx18	315870	1,02	up
6278572	7348487	1741265	T-box18	Tbx18	315870	1,01	up
6647963	7348487	1741272	T-box18	Tbx18	315870	1,01	down
6253298	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	3,97	up
6452738	7278575	1569558	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,79	down
6183145	7278575	1569557	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,77	up
6256322	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,67	down
6073193	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,35	down
6619390	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,30	down
5782733	7278575	1569561	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,23	down
5891062	7278575	1569557	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,23	up
6421301	7278575	1569563	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,20	up
6745582	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,10	up
6710652	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,09	up
6481510	7278575	1569555	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,08	down
6037856	7278575	1569559	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,05	down
5694379	7278575	1569563	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,01	up
5786975	7278575	1569562	T-cell acute lymphocytic leukemia 1	Tal1	313507	1,01	up
6739465	7086672	1094395	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,40	down
6522367	7086672	1094395	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,37	down
5929652	7086672	1094371	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,36	up
6470812	7086672	1094383	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,33	up
6456788	7086672	1094394	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,32	down
6465526	7086672	1094364	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,32	up
5698441	7086672	1094350	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,29	up
6207467	7086672	1094373	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,28	up
5981873	7086672	1094358	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,26	up
5723784	7086672	1094388	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,25	down
6273040	7086672	1094362	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,25	down
5786833	7086672	1094355	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,22	up
6569628	7086672	1094392	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,20	down
5671955	7086672	1094369	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,16	up
6258811	7086672	1094350	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,16	up
6238402	7086672	1094382	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,09	up
6600525	7086672	1094361	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,08	up
6152717	7086672	1094366	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,08	down
6317850	7086672	1094385	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,07	down
6064372	7086672	1094376	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,07	down
5858745	7086672	1094390	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,06	down
6218355	7086672	1094381	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,05	down
6410130	7086672	1094389	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,05	down
6050972	7086672	1094356	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,05	up
6398208	7086672	1094380	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,02	down
6086530	7086672	1094384	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,02	down
5640301	7086672	1094368	T-cell lymphoma invasion and metastasis 1	Tiam1	304109	1,00	up
5898969	7031473	963873	TEA domain family member 2	Tead2	308582	2,32	up
6619187	7031473	963876	TEA domain family member 2	Tead2	308582	1,68	up
6539340	7031473	963865	TEA domain family member 2	Tead2	308582	1,45	down
6676914	7031473	963874	TEA domain family member 2	Tead2	308582	1,42	up
6182191	7031473	963864	TEA domain family member 2	Tead2	308582	1,30	up
5841890	7031473	963877	TEA domain family member 2	Tead2	308582	1,27	down
6016279	7031473	963875	TEA domain family member 2	Tead2	308582	1,24	down

5877653	7031473	963866	TEA domain family member 2	Tead2	308582	1,24	up
5672611	7031473	963868	TEA domain family member 2	Tead2	308582	1,22	up
5681737	7031473	963872	TEA domain family member 2	Tead2	308582	1,21	up
6314786	7031473	963869	TEA domain family member 2	Tead2	308582	1,13	up
5831705	7031473	963877	TEA domain family member 2	Tead2	308582	1,12	down
6044022	7031473	963867	TEA domain family member 2	Tead2	308582	1,08	down
6096937	7031473	963873	TEA domain family member 2	Tead2	308582	1,03	down
6369418	7031473	963870	TEA domain family member 2	Tead2	308582	1,02	down
6349841	7118157	1172510	tec protein tyrosine kinase	Tec	84492	2,79	down
6109897	7118157	1172518	tec protein tyrosine kinase	Tec	84492	2,59	up
6139440	7118157	1172508	tec protein tyrosine kinase	Tec	84492	2,17	up
6172707	7118157	1172517	tec protein tyrosine kinase	Tec	84492	1,70	up
6023225	7118157	1172506	tec protein tyrosine kinase	Tec	84492	1,67	up
6231114	7118157	1172521	tec protein tyrosine kinase	Tec	84492	1,61	up
5729850	7118157	1172520	tec protein tyrosine kinase	Tec	84492	1,42	up
6012146	7118157	1172525	tec protein tyrosine kinase	Tec	84492	1,40	down
6346234	7118157	1172497	tec protein tyrosine kinase	Tec	84492	1,35	down
6320358	7118157	1172522	tec protein tyrosine kinase	Tec	84492	1,33	up
5797172	7118157	1172499	tec protein tyrosine kinase	Tec	84492	1,28	up
6529975	7118157	1172516	tec protein tyrosine kinase	Tec	84492	1,26	down
6165349	7118157	1172496	tec protein tyrosine kinase	Tec	84492	1,25	down
6240841	7118157	1172524	tec protein tyrosine kinase	Tec	84492	1,23	up
5713048	7118157	1172510	tec protein tyrosine kinase	Tec	84492	1,21	up
6088361	7118157	1172507	tec protein tyrosine kinase	Tec	84492	1,20	up
5892219	7118157	1172514	tec protein tyrosine kinase	Tec	84492	1,14	down
6492723	7118157	1172515	tec protein tyrosine kinase	Tec	84492	1,13	up
6158993	7118157	1172511	tec protein tyrosine kinase	Tec	84492	1,11	down
6555497	7118157	1172505	tec protein tyrosine kinase	Tec	84492	1,07	down
5647660	7118157	1172513	tec protein tyrosine kinase	Tec	84492	1,02	down
5799636	7106824	1144281	tenascin R	Tnr	25567	2,39	up
6322901	7106824	1144271	tenascin R	Tnr	25567	1,99	down
6511356	7106824	1144291	tenascin R	Tnr	25567	1,71	up
5943007	7106824	1144287	tenascin R	Tnr	25567	1,71	down
5779153	7106824	1144279	tenascin R	Tnr	25567	1,69	up
6021249	7106824	1144290	tenascin R	Tnr	25567	1,67	down
5951623	7106824	1144292	tenascin R	Tnr	25567	1,52	down
6340318	7106824	1144271	tenascin R	Tnr	25567	1,47	up
6001298	7106824	1144284	tenascin R	Tnr	25567	1,44	down
5687030	7106824	1144274	tenascin R	Tnr	25567	1,39	down
6341309	7106824	1144278	tenascin R	Tnr	25567	1,35	down
5812885	7106824	1144278	tenascin R	Tnr	25567	1,33	down
6317705	7106824	1144271	tenascin R	Tnr	25567	1,31	down
6669443	7106824	1144273	tenascin R	Tnr	25567	1,30	down
5801212	7106824	1144286	tenascin R	Tnr	25567	1,30	up
6592021	7106824	1144272	tenascin R	Tnr	25567	1,29	down
6382206	7106824	1144285	tenascin R	Tnr	25567	1,18	down
6740058	7106824	1144288	tenascin R	Tnr	25567	1,13	down
6638405	7106824	1144283	tenascin R	Tnr	25567	1,12	up
6270522	7106824	1144293	tenascin R	Tnr	25567	1,11	up
6217821	7106824	1144282	tenascin R	Tnr	25567	1,08	down
6348083	7106824	1144275	tenascin R	Tnr	25567	1,08	up
5660142	7106824	1144280	tenascin R	Tnr	25567	1,08	up
6238673	7106824	1144287	tenascin R	Tnr	25567	1,06	up
5780385	7106824	1144276	tenascin R	Tnr	25567	1,04	down
6534711	7106824	1144289	tenascin R	Tnr	25567	1,03	up
6274136	7106824	1144277	tenascin R	Tnr	25567	1,03	up
5913746	7363674	1778397	tensin 1	Tns1	301509	1,88	down

5695518	7363674	1778397	tensin 1	Tns1	301509	1,63	up
5636090	7363674	1778439	tensin 1	Tns1	301509	1,59	down
5932876	7363674	1778399	tensin 1	Tns1	301509	1,56	down
6578664	7363674	1778445	tensin 1	Tns1	301509	1,34	down
5758769	7363674	1778397	tensin 1	Tns1	301509	1,32	down
6667742	7363674	1778397	tensin 1	Tns1	301509	1,23	up
6063462	7363674	1778400	tensin 1	Tns1	301509	1,23	up
6418430	7363674	1778398	tensin 1	Tns1	301509	1,19	down
6321077	7363674	1778397	tensin 1	Tns1	301509	1,17	down
6550782	7363674	1778446	tensin 1	Tns1	301509	1,10	up
5669326	7363674	1778397	tensin 1	Tns1	301509	1,08	down
6388767	7363674	1778402	tensin 1	Tns1	301509	1,08	down
6263473	7363674	1778399	tensin 1	Tns1	301509	1,07	down
6228983	7363674	1778397	tensin 1	Tns1	301509	1,06	down
6054723	7363674	1778401	tensin 1	Tns1	301509	1,05	up
6476217	7320998	1674724	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,74	up
6054123	7320998	1674721	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,65	up
5797699	7320998	1674716	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,59	down
5927501	7320998	1674718	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,54	up
6528502	7320998	1674738	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,50	down
6025377	7320998	1674729	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,46	down
5996644	7320998	1674727	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,42	up
5866242	7320998	1674733	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,42	up
6350029	7320998	1674738	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,38	up
5661470	7320998	1674715	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,37	up
6362618	7320998	1674712	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,36	down
5979098	7320998	1674719	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,36	up
6347469	7320998	1674736	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,34	up
5911015	7320998	1674726	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,33	up
6546368	7320998	1674734	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,31	up
6603036	7320998	1674720	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,29	up
5671078	7320998	1674725	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,29	up
6746211	7320998	1674733	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,27	up
6370740	7320998	1674735	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,26	down
5963432	7320998	1674714	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,25	down
5891369	7320998	1674737	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,24	up
6401640	7320998	1674735	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,22	up
6486953	7320998	1674728	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,17	up
6578879	7320998	1674713	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,15	up
5638147	7320998	1674732	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,10	up
6614844	7320998	1674717	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,09	down
6532954	7320998	1674723	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,08	down
6561101	7320998	1674731	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,07	up
5821663	7320998	1674729	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,04	down
6180625	7320998	1674730	tensin like C1 domain containing phosphatase (tensin 2)	Tenc1	315326	1,04	down
5729494	7138263	1221733	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	2,02	up
5689883	7138263	1221730	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,72	up
6707039	7138263	1221729	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,70	up
5773165	7138263	1221725	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,39	up
6642800	7138263	1221724	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,38	down
5932581	7138263	1221728	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,26	down
6156103	7138263	1221729	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,25	up
5679201	7138263	1221731	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,10	down
5987463	7138263	1221732	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,10	up
6728648	7138263	1221727	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,08	down
6108925	7138263	1221726	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,05	down
5885655	7138263	1221725	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,02	up

5632916	7138263	1221727	TERF1 (TRF1)-interacting nuclear factor 2	Tinf2	290232	1,00	up
5873822	7070836	1058322	testis expressed 14	Tex14	287603	1,25	down
5937496	7349791	1744517	testis expressed 264	Tex264	300988	3,10	down
5907948	7349791	1744511	testis expressed 264	Tex264	300988	1,89	down
6010126	7349791	1744515	testis expressed 264	Tex264	300988	1,46	up
6626547	7349791	1744513	testis expressed 264	Tex264	300988	1,29	up
6073401	7349791	1744514	testis expressed 264	Tex264	300988	1,28	up
6568238	7349791	1744515	testis expressed 264	Tex264	300988	1,10	down
6515381	7349791	1744516	testis expressed 264	Tex264	300988	1,07	up
6406621	7349791	1744511	testis expressed 264	Tex264	300988	1,03	down
5619808	7349791	1744512	testis expressed 264	Tex264	300988	1,01	down
6161909	7347427	1738682	testis expressed gene 9	Tex9	300822	2,19	down
5708314	7347427	1738684	testis expressed gene 9	Tex9	300822	1,56	down
5810196	7347427	1738671	testis expressed gene 9	Tex9	300822	1,43	down
5912911	7347427	1738686	testis expressed gene 9	Tex9	300822	1,36	up
6658965	7347427	1738672	testis expressed gene 9	Tex9	300822	1,31	up
6652969	7347427	1738678	testis expressed gene 9	Tex9	300822	1,29	up
6480057	7347427	1738686	testis expressed gene 9	Tex9	300822	1,23	up
6693854	7347427	1738679	testis expressed gene 9	Tex9	300822	1,19	down
6620665	7347427	1738686	testis expressed gene 9	Tex9	300822	1,17	up
6540966	7347427	1738676	testis expressed gene 9	Tex9	300822	1,12	down
5641611	7347427	1738686	testis expressed gene 9	Tex9	300822	1,08	down
6482542	7347427	1738671	testis expressed gene 9	Tex9	300822	1,02	up
5657307	7347427	1738683	testis expressed gene 9	Tex9	300822	1,02	down
6346850	7347427	1738677	testis expressed gene 9	Tex9	300822	1,01	down
6594612	7263248	1530611	testis specific, 14	Tsga14	500069	2,33	down
6002160	7263248	1530608	testis specific, 14	Tsga14	500069	1,95	down
6048657	7263248	1530603	testis specific, 14	Tsga14	500069	1,90	down
6271522	7263248	1530602	testis specific, 14	Tsga14	500069	1,71	up
6743439	7263248	1530606	testis specific, 14	Tsga14	500069	1,63	down
6365683	7263248	1530612	testis specific, 14	Tsga14	500069	1,54	up
6237384	7263248	1530604	testis specific, 14	Tsga14	500069	1,50	down
6595078	7263248	1530613	testis specific, 14	Tsga14	500069	1,49	up
5620727	7263248	1530602	testis specific, 14	Tsga14	500069	1,37	up
5927903	7263248	1530602	testis specific, 14	Tsga14	500069	1,22	down
6481515	7263248	1530602	testis specific, 14	Tsga14	500069	1,12	up
5769181	7263248	1530608	testis specific, 14	Tsga14	500069	1,09	down
6547164	7263248	1530602	testis specific, 14	Tsga14	500069	1,06	down
6241054	7263248	1530609	testis specific, 14	Tsga14	500069	1,02	down
5840520	7263248	1530602	testis specific, 14	Tsga14	500069	1,02	down
6675697	7266544	1538334	tet oncogene family member 3	Tet3	680576	1,19	down
5771273	7266544	1538339	tet oncogene family member 3	Tet3	680576	1,14	up
5945467	7266544	1538340	tet oncogene family member 3	Tet3	680576	1,12	down
6161226	7266544	1538342	tet oncogene family member 3	Tet3	680576	1,07	down
6124840	7266544	1538350	tet oncogene family member 3 /// hypothetical protein LOC680588	Tet3 /// LOC680588	680576 /// 680588	1,63	up
6338463	7266544	1538351	tet oncogene family member 3 /// hypothetical protein LOC680588	Tet3 /// LOC680588	680576 /// 680588	1,20	down
5946597	7266544	1538346	tet oncogene family member 3 /// hypothetical protein LOC680588	Tet3 /// LOC680588	680576 /// 680588	1,07	up
6211511	7197536	1369203	tetraspanin 2	Tspan2	64521	2,93	up
5952140	7197536	1369206	tetraspanin 2	Tspan2	64521	2,35	up
5660620	7197536	1369209	tetraspanin 2	Tspan2	64521	2,22	down
5842228	7197536	1369208	tetraspanin 2	Tspan2	64521	1,68	down
5827188	7197536	1369201	tetraspanin 2	Tspan2	64521	1,45	down
6726350	7197536	1369200	tetraspanin 2	Tspan2	64521	1,30	down
5731310	7197536	1369207	tetraspanin 2	Tspan2	64521	1,30	up
6245983	7197536	1369204	tetraspanin 2	Tspan2	64521	1,16	up
6497581	7197536	1369209	tetraspanin 2	Tspan2	64521	1,13	down
6123970	7197536	1369202	tetraspanin 2	Tspan2	64521	1,10	up

6379630	7197536	1369205	tetraspanin 2	Tspan2	64521	1,04	down
5932653	7383501	1828205	tetraspanin 6	Tspan6	302313	1,46	down
6077890	7383501	1828200	tetraspanin 6	Tspan6	302313	1,36	up
6103700	7383501	1828204	tetraspanin 6	Tspan6	302313	1,12	down
6135162	7383501	1828202	tetraspanin 6	Tspan6	302313	1,10	down
6232563	7383501	1828203	tetraspanin 6	Tspan6	302313	1,09	down
5891249	7383501	1828201	tetraspanin 6	Tspan6	302313	1,09	down
6468235	7383501	1828207	tetraspanin 6	Tspan6	302313	1,06	down
6393114	7383501	1828206	tetraspanin 6	Tspan6	302313	1,04	up
6426317	7076581	1072206	tetratricopeptide repeat domain 1	Ttc1	287208	2,10	down
6440466	7076581	1072204	tetratricopeptide repeat domain 1	Ttc1	287208	1,64	up
6527924	7076581	1072201	tetratricopeptide repeat domain 1	Ttc1	287208	1,41	down
6448577	7076581	1072199	tetratricopeptide repeat domain 1	Ttc1	287208	1,32	up
5628804	7076581	1072203	tetratricopeptide repeat domain 1	Ttc1	287208	1,21	down
6024196	7076581	1072206	tetratricopeptide repeat domain 1	Ttc1	287208	1,17	down
6062440	7076581	1072205	tetratricopeptide repeat domain 1	Ttc1	287208	1,14	down
6279152	7076581	1072202	tetratricopeptide repeat domain 1	Ttc1	287208	1,11	up
6306902	7076581	1072200	tetratricopeptide repeat domain 1	Ttc1	287208	1,03	up
6004943	7239752	1473198	tetratricopeptide repeat domain 21B	Ttc21b	295654	1,73	up
6617691	7239752	1473154	tetratricopeptide repeat domain 21B	Ttc21b	295654	1,02	up
6006320	7032618	967309	tetratricopeptide repeat domain 23	Ttc23	308708	2,18	down
6407691	7032618	967332	tetratricopeptide repeat domain 23	Ttc23	308708	1,38	up
6698700	7032618	967306	tetratricopeptide repeat domain 23	Ttc23	308708	1,31	up
6557713	7032618	967326	tetratricopeptide repeat domain 23	Ttc23	308708	1,24	down
5839689	7032618	967331	tetratricopeptide repeat domain 23	Ttc23	308708	1,22	down
6216512	7032618	967314	tetratricopeptide repeat domain 23	Ttc23	308708	1,17	down
5853520	7032618	967311	tetratricopeptide repeat domain 23	Ttc23	308708	1,17	up
6059635	7032618	967319	tetratricopeptide repeat domain 23	Ttc23	308708	1,13	down
6285489	7032618	967308	tetratricopeptide repeat domain 23	Ttc23	308708	1,10	up
6333298	7032618	967323	tetratricopeptide repeat domain 23	Ttc23	308708	1,09	down
6668232	7032618	967306	tetratricopeptide repeat domain 23	Ttc23	308708	1,09	up
6597763	7032618	967314	tetratricopeptide repeat domain 23	Ttc23	308708	1,03	down
5665369	7032618	967310	tetratricopeptide repeat domain 23	Ttc23	308708	1,02	down
6527412	7032618	967332	tetratricopeptide repeat domain 23	Ttc23	308708	1,02	up
6009764	7303612	1631281	tetratricopeptide repeat domain 27	Ttc27	298782	2,23	down
6166865	7303612	1631262	tetratricopeptide repeat domain 27	Ttc27	298782	2,10	up
6187214	7303612	1631298	tetratricopeptide repeat domain 27	Ttc27	298782	1,60	up
6343295	7303612	1631278	tetratricopeptide repeat domain 27	Ttc27	298782	1,51	down
6317834	7303612	1631265	tetratricopeptide repeat domain 27	Ttc27	298782	1,45	up
6660627	7303612	1631277	tetratricopeptide repeat domain 27	Ttc27	298782	1,45	up
6570762	7303612	1631300	tetratricopeptide repeat domain 27	Ttc27	298782	1,39	down
6583912	7303612	1631268	tetratricopeptide repeat domain 27	Ttc27	298782	1,38	up
6432471	7303612	1631301	tetratricopeptide repeat domain 27	Ttc27	298782	1,26	up
5976915	7303612	1631269	tetratricopeptide repeat domain 27	Ttc27	298782	1,25	down
5795204	7303612	1631299	tetratricopeptide repeat domain 27	Ttc27	298782	1,20	up
5945877	7303612	1631297	tetratricopeptide repeat domain 27	Ttc27	298782	1,17	down
5893260	7303612	1631302	tetratricopeptide repeat domain 27	Ttc27	298782	1,15	up
5809920	7303612	1631289	tetratricopeptide repeat domain 27	Ttc27	298782	1,14	down
6264258	7303612	1631276	tetratricopeptide repeat domain 27	Ttc27	298782	1,13	up
6466906	7303612	1631288	tetratricopeptide repeat domain 27	Ttc27	298782	1,13	down
6165724	7303612	1631287	tetratricopeptide repeat domain 27	Ttc27	298782	1,11	down
5962990	7303612	1631300	tetratricopeptide repeat domain 27	Ttc27	298782	1,09	down
5755246	7303612	1631269	tetratricopeptide repeat domain 27	Ttc27	298782	1,09	up
6106944	7303612	1631304	tetratricopeptide repeat domain 27	Ttc27	298782	1,08	down
6359943	7303612	1631296	tetratricopeptide repeat domain 27	Ttc27	298782	1,03	down
6350260	7303612	1631303	tetratricopeptide repeat domain 27	Ttc27	298782	1,02	up
6272879	7303612	1631262	tetratricopeptide repeat domain 27	Ttc27	298782	1,02	down

5962868	7190317	1350503	tetratricopeptide repeat domain 33	Ttc33	294774	1,49	up
5941279	7190317	1350512	tetratricopeptide repeat domain 33	Ttc33	294774	1,37	down
6046244	7190317	1350511	tetratricopeptide repeat domain 33	Ttc33	294774	1,30	up
6592760	7190317	1350503	tetratricopeptide repeat domain 33	Ttc33	294774	1,26	down
6159746	7190317	1350508	tetratricopeptide repeat domain 33	Ttc33	294774	1,13	down
6531378	7190317	1350512	tetratricopeptide repeat domain 33	Ttc33	294774	1,08	down
6466485	7190317	1350505	tetratricopeptide repeat domain 33	Ttc33	294774	1,07	up
6741757	7316589	1663890	tetratricopeptide repeat domain 35	Ttc35	362905	1,32	down
5741779	7316589	1663879	tetratricopeptide repeat domain 35	Ttc35	362905	1,31	up
6097836	7316589	1663889	tetratricopeptide repeat domain 35	Ttc35	362905	1,30	up
6472616	7316589	1663878	tetratricopeptide repeat domain 35	Ttc35	362905	1,27	up
6066220	7316589	1663880	tetratricopeptide repeat domain 35	Ttc35	362905	1,17	up
5921278	7316589	1663883	tetratricopeptide repeat domain 35	Ttc35	362905	1,11	up
6021114	7316589	1663886	tetratricopeptide repeat domain 35	Ttc35	362905	1,08	down
6604028	7316589	1663881	tetratricopeptide repeat domain 35	Ttc35	362905	1,07	down
6487761	7316589	1663884	tetratricopeptide repeat domain 35	Ttc35	362905	1,07	up
6667706	7316589	1663876	tetratricopeptide repeat domain 35	Ttc35	362905	1,06	up
6274317	7316589	1663882	tetratricopeptide repeat domain 35	Ttc35	362905	1,00	up
5876351	7316589	1663885	tetratricopeptide repeat domain 35	Ttc35	362905	1,00	down
5720366	7344837	1732415	tetratricopeptide repeat domain 36	Ttc36	300676	2,92	down
5978833	7344837	1732412	tetratricopeptide repeat domain 36	Ttc36	300676	1,52	up
6397823	7344837	1732415	tetratricopeptide repeat domain 36	Ttc36	300676	1,46	down
6180693	7344837	1732414	tetratricopeptide repeat domain 36	Ttc36	300676	1,19	down
6310428	7344837	1732413	tetratricopeptide repeat domain 36	Ttc36	300676	1,14	down
6131605	7278314	1568897	tetratricopeptide repeat domain 39A	Ttc39a	298366	2,05	up
6122015	7278314	1568893	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,70	down
6209717	7278314	1568909	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,37	down
6324180	7278314	1568903	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,37	up
6187563	7278314	1568894	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,36	up
5913007	7278314	1568900	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,34	up
6186886	7278314	1568895	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,33	down
6044681	7278314	1568893	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,24	up
6347612	7278314	1568911	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,20	down
6483504	7278314	1568914	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,19	up
6103699	7278314	1568898	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,16	down
5871047	7278314	1568896	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,16	down
6193002	7278314	1568910	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,16	down
6508060	7278314	1568906	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,14	up
6414465	7278314	1568904	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,13	up
6584180	7278314	1568912	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,10	up
6126743	7278314	1568913	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,09	down
6631234	7278314	1568891	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,09	down
6367973	7278314	1568902	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,06	up
6220331	7278314	1568914	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,04	up
6632591	7278314	1568905	tetratricopeptide repeat domain 39A	Ttc39a	298366	1,02	down
6096713	7288095	1592091	tetratricopeptide repeat domain 39B	Ttc39b	298186	2,29	down
6003460	7288095	1592082	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,75	up
5852797	7288095	1592047	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,31	up
5636809	7288095	1592058	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,25	down
6036445	7288095	1592055	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,23	up
5815871	7288095	1592064	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,20	up
5767907	7288095	1592054	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,20	up
6041789	7288095	1592059	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,18	down
6737205	7288095	1592044	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,17	up
5726020	7288095	1592044	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,16	up
6164935	7288095	1592091	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,16	down
5955703	7288095	1592056	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,15	up

6459218	7288095	1592053	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,15	up
6075527	7288095	1592057	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,12	up
6485046	7288095	1592050	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,08	up
6220899	7288095	1592068	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,07	down
6410538	7288095	1592065	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,06	up
6732548	7288095	1592049	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,06	down
5865183	7288095	1592060	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,06	up
6590272	7288095	1592051	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,04	up
6223022	7288095	1592063	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,03	down
6619451	7288095	1592046	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,03	up
5646640	7288095	1592052	tetratricopeptide repeat domain 39B	Ttc39b	298186	1,01	down
6426585	7300906	1624052	tetratricopeptide repeat domain 8	Ttc8	299246	2,90	up
5671049	7300906	1624056	tetratricopeptide repeat domain 8	Ttc8	299246	1,92	down
5762222	7300906	1624045	tetratricopeptide repeat domain 8	Ttc8	299246	1,92	up
6371253	7300906	1624045	tetratricopeptide repeat domain 8	Ttc8	299246	1,75	up
6410876	7300906	1624061	tetratricopeptide repeat domain 8	Ttc8	299246	1,41	down
6518817	7300906	1624064	tetratricopeptide repeat domain 8	Ttc8	299246	1,40	up
6368547	7300906	1624055	tetratricopeptide repeat domain 8	Ttc8	299246	1,32	down
6746100	7300906	1624050	tetratricopeptide repeat domain 8	Ttc8	299246	1,30	up
6249953	7300906	1624062	tetratricopeptide repeat domain 8	Ttc8	299246	1,29	down
6549070	7300906	1624060	tetratricopeptide repeat domain 8	Ttc8	299246	1,23	up
6088844	7300906	1624052	tetratricopeptide repeat domain 8	Ttc8	299246	1,21	up
6096946	7300906	1624053	tetratricopeptide repeat domain 8	Ttc8	299246	1,20	down
6428939	7300906	1624064	tetratricopeptide repeat domain 8	Ttc8	299246	1,19	down
6563710	7300906	1624057	tetratricopeptide repeat domain 8	Ttc8	299246	1,18	down
5968527	7300906	1624051	tetratricopeptide repeat domain 8	Ttc8	299246	1,16	up
6321385	7300906	1624063	tetratricopeptide repeat domain 8	Ttc8	299246	1,11	down
6471963	7300906	1624050	tetratricopeptide repeat domain 8	Ttc8	299246	1,02	down
5853335	7300906	1624054	tetratricopeptide repeat domain 8	Ttc8	299246	1,00	up
5720823	7227811	1441994	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	2,23	down
6111559	7227811	1441999	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	2,19	down
5782473	7227811	1442009	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	2,13	down
6327563	7227811	1442007	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,64	down
6595357	7227811	1442000	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,55	up
6177356	7227811	1442001	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,47	down
6253061	7227811	1442013	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,46	up
5841808	7227811	1442004	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,43	down
5974867	7227811	1441995	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,43	up
6637132	7227811	1441998	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,40	down
5637668	7227811	1442006	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,37	up
6658167	7227811	1442008	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,35	down
6534986	7227811	1441997	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,27	up
5803772	7227811	1442012	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,26	up
6236824	7227811	1442014	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,21	down
5783906	7227811	1441993	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,20	down
6245647	7227811	1442009	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,17	down
6505909	7227811	1442010	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,16	up
6374351	7227811	1442015	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,16	down
6226959	7227811	1442002	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,16	up
5979116	7227811	1441999	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,15	up
6112304	7227811	1441996	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,14	up
5994358	7227811	1441991	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,10	down
5732286	7227811	1442016	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,09	down
5670967	7227811	1442003	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,07	down
6352435	7227811	1441993	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,07	up
5954641	7227811	1442011	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,06	down
6201599	7227811	1442005	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,04	down

6654260	7227811	1442006	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,03	down
5795857	7227811	1442016	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,03	down
6013966	7227811	1441992	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,01	down
5879595	7227811	1442013	tetratricopeptide repeat, ankyrin repeat and coiled-coil containing 1	Tanc1	311055	1,01	down
5745533	7366702	1785386	TGFB-induced factor homeobox 1	Tgif1	316742	2,09	down
5994835	7366702	1785385	TGFB-induced factor homeobox 1	Tgif1	316742	1,70	up
6350427	7366702	1785383	TGFB-induced factor homeobox 1	Tgif1	316742	1,21	up
5675819	7366702	1785384	TGFB-induced factor homeobox 1	Tgif1	316742	1,16	down
5797168	7365561	1782704	THAP domain containing 4	Thap4	363291	2,36	down
6138783	7365561	1782706	THAP domain containing 4	Thap4	363291	1,49	up
6553679	7365561	1782705	THAP domain containing 4	Thap4	363291	1,35	up
6216862	7365561	1782701	THAP domain containing 4	Thap4	363291	1,14	down
6468462	7365561	1782700	THAP domain containing 4	Thap4	363291	1,12	up
6272143	7365561	1782702	THAP domain containing 4	Thap4	363291	1,02	up
6493313	7365561	1782703	THAP domain containing 4	Thap4	363291	1,01	down
5850057	7323355	1679380	thioredoxin reductase 1	Txnrd1	58819	2,03	down
6711514	7323355	1679375	thioredoxin reductase 1	Txnrd1	58819	1,41	up
6160122	7323355	1679377	thioredoxin reductase 1	Txnrd1	58819	1,37	up
5855695	7323355	1679374	thioredoxin reductase 1	Txnrd1	58819	1,34	up
6282443	7323355	1679376	thioredoxin reductase 1	Txnrd1	58819	1,28	down
5669942	7323355	1679369	thioredoxin reductase 1	Txnrd1	58819	1,25	up
5747914	7323355	1679379	thioredoxin reductase 1	Txnrd1	58819	1,22	down
6081873	7323355	1679368	thioredoxin reductase 1	Txnrd1	58819	1,19	up
6500677	7323355	1679372	thioredoxin reductase 1	Txnrd1	58819	1,16	up
6006286	7323355	1679364	thioredoxin reductase 1	Txnrd1	58819	1,11	up
5798513	7323355	1679366	thioredoxin reductase 1	Txnrd1	58819	1,11	down
6238742	7323355	1679367	thioredoxin reductase 1	Txnrd1	58819	1,10	down
6124299	7323355	1679370	thioredoxin reductase 1	Txnrd1	58819	1,09	down
6008865	7323355	1679373	thioredoxin reductase 1	Txnrd1	58819	1,08	down
5930984	7323355	1679371	thioredoxin reductase 1	Txnrd1	58819	1,05	down
5650098	7323355	1679365	thioredoxin reductase 1	Txnrd1	58819	1,05	up
5959043	7323355	1679378	thioredoxin reductase 1	Txnrd1	58819	1,04	up
6010763	7323355	1679377	thioredoxin reductase 1	Txnrd1	58819	1,03	down
6404128	7075083	1068542	THO complex 6 homolog (Drosophila)	Thoc6	79227	2,44	down
6223225	7075083	1068533	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,45	down
5995864	7075083	1068537	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,45	up
6366610	7075083	1068539	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,39	down
5727668	7075083	1068545	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,37	up
5672066	7075083	1068545	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,32	up
6493440	7075083	1068546	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,21	down
5908072	7075083	1068546	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,20	up
6441197	7075083	1068544	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,17	up
5848157	7075083	1068541	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,16	up
6328044	7075083	1068543	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,15	up
6034194	7075083	1068540	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,13	up
5670445	7075083	1068534	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,10	down
6740343	7075083	1068535	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,07	down
6745105	7075083	1068536	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,02	up
5874911	7075083	1068538	THO complex 6 homolog (Drosophila)	Thoc6	79227	1,00	down
6392078	7384904	1831595	three prime repair exonuclease 2	Trex2	309275	2,44	down
5934851	7384904	1831594	three prime repair exonuclease 2	Trex2	309275	1,51	up
5888123	7384904	1831594	three prime repair exonuclease 2	Trex2	309275	1,26	down
5910026	7384904	1831594	three prime repair exonuclease 2	Trex2	309275	1,24	down
6737899	7384904	1831593	three prime repair exonuclease 2	Trex2	309275	1,10	up
5837558	7032513	966959	threonyl-tRNA synthetase-like 2	Tarsl2	308701	2,57	up
5635834	7032513	966959	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,77	up
5989013	7032513	966947	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,49	up

6439267	7032513	966947	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,45	up
5819190	7032513	966950	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,44	down
6341627	7032513	966949	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,33	down
6242556	7032513	966947	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,30	up
6046793	7032513	966952	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,22	down
5966614	7032513	966954	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,17	up
6466631	7032513	966955	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,14	up
5751367	7032513	966949	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,12	up
6375656	7032513	966953	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,05	down
5745700	7032513	966951	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,05	down
6639955	7032513	966948	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,04	down
6370487	7032513	966958	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,02	down
5666949	7032513	966956	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,01	up
6120350	7032513	966957	threonyl-tRNA synthetase-like 2	Tarsl2	308701	1,00	down
6463484	7152981	1257716	thrombospondin, type I, domain containing 1	Thsd1	364630	2,29	down
5797652	7152981	1257714	thrombospondin, type I, domain containing 1	Thsd1	364630	2,16	up
6565567	7152981	1257714	thrombospondin, type I, domain containing 1	Thsd1	364630	1,43	up
5683310	7152981	1257710	thrombospondin, type I, domain containing 1	Thsd1	364630	1,31	up
6695017	7152981	1257712	thrombospondin, type I, domain containing 1	Thsd1	364630	1,29	down
6086484	7152981	1257709	thrombospondin, type I, domain containing 1	Thsd1	364630	1,28	down
6564266	7152981	1257710	thrombospondin, type I, domain containing 1	Thsd1	364630	1,21	up
6585090	7152981	1257715	thrombospondin, type I, domain containing 1	Thsd1	364630	1,15	up
5786266	7152981	1257710	thrombospondin, type I, domain containing 1	Thsd1	364630	1,09	down
5770161	7152981	1257711	thrombospondin, type I, domain containing 1	Thsd1	364630	1,09	down
5986165	7321965	1676529	thromboxane A2 receptor	Tbxa2r	24816	2,16	down
5883739	7321965	1676528	thromboxane A2 receptor	Tbxa2r	24816	1,13	up
6300301	7321965	1676528	thromboxane A2 receptor	Tbxa2r	24816	1,11	down
5903886	7321965	1676530	thromboxane A2 receptor	Tbxa2r	24816	1,04	up
6162096	7321965	1676529	thromboxane A2 receptor	Tbxa2r	24816	1,03	up
6243101	7321965	1676530	thromboxane A2 receptor	Tbxa2r	24816	1,02	up
6245279	7321965	1676531	thromboxane A2 receptor	Tbxa2r	24816	1,01	down
6670456	7302887	1629163	THUMP domain containing 2	Thumpd2	313851	2,68	up
5623086	7302887	1629160	THUMP domain containing 2	Thumpd2	313851	2,61	down
5719197	7302887	1629158	THUMP domain containing 2	Thumpd2	313851	1,36	up
6014904	7302887	1629162	THUMP domain containing 2	Thumpd2	313851	1,35	down
5747672	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,32	up
6363550	7302887	1629161	THUMP domain containing 2	Thumpd2	313851	1,25	up
5653530	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,24	up
6629714	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,18	up
5710322	7302887	1629159	THUMP domain containing 2	Thumpd2	313851	1,12	down
6118683	7302887	1629156	THUMP domain containing 2	Thumpd2	313851	1,06	up
6703079	7302887	1629157	THUMP domain containing 2	Thumpd2	313851	1,03	down
5666951	7302887	1629156	THUMP domain containing 2	Thumpd2	313851	1,02	up
5906056	7302887	1629163	THUMP domain containing 2	Thumpd2	313851	1,01	up
6668782	7302887	1629155	THUMP domain containing 2	Thumpd2	313851	1,00	down
6508312	7257337	1515979	THUMP domain containing 3	Thumpd3	500288	1,66	up
5640325	7257337	1515982	THUMP domain containing 3	Thumpd3	500288	1,56	up
5919162	7257337	1515981	THUMP domain containing 3	Thumpd3	500288	1,54	up
6141111	7257337	1515982	THUMP domain containing 3	Thumpd3	500288	1,36	up
6048474	7257337	1515978	THUMP domain containing 3	Thumpd3	500288	1,33	up
6391970	7257337	1515973	THUMP domain containing 3	Thumpd3	500288	1,33	up
6645871	7257337	1515981	THUMP domain containing 3	Thumpd3	500288	1,32	up
6116796	7257337	1515973	THUMP domain containing 3	Thumpd3	500288	1,30	down
6386338	7257337	1515974	THUMP domain containing 3	Thumpd3	500288	1,29	down
5861731	7257337	1515980	THUMP domain containing 3	Thumpd3	500288	1,18	down
5983831	7257337	1515975	THUMP domain containing 3	Thumpd3	500288	1,11	up
6445810	7257337	1515973	THUMP domain containing 3	Thumpd3	500288	1,06	up

5764518	7257337	1515976	THUMP domain containing 3	Thumpd3	500288	1,06	down
6526603	7369031	1793018	thyroid hormone receptor interactor 10	Trip10	116717	2,36	down
6546826	7369031	1793005	thyroid hormone receptor interactor 10	Trip10	116717	2,31	up
6163714	7369031	1793015	thyroid hormone receptor interactor 10	Trip10	116717	2,27	up
5873778	7369031	1793010	thyroid hormone receptor interactor 10	Trip10	116717	2,01	up
5854212	7369031	1793008	thyroid hormone receptor interactor 10	Trip10	116717	1,98	down
6399559	7369031	1793014	thyroid hormone receptor interactor 10	Trip10	116717	1,80	up
6483409	7369031	1793009	thyroid hormone receptor interactor 10	Trip10	116717	1,56	up
6508763	7369031	1793006	thyroid hormone receptor interactor 10	Trip10	116717	1,31	up
6116346	7369031	1793003	thyroid hormone receptor interactor 10	Trip10	116717	1,24	down
5984121	7369031	1793016	thyroid hormone receptor interactor 10	Trip10	116717	1,21	up
6439168	7369031	1793017	thyroid hormone receptor interactor 10	Trip10	116717	1,13	down
6303605	7369031	1793018	thyroid hormone receptor interactor 10	Trip10	116717	1,11	down
6048375	7369031	1793018	thyroid hormone receptor interactor 10	Trip10	116717	1,11	down
5776778	7369031	1793007	thyroid hormone receptor interactor 10	Trip10	116717	1,07	up
6465206	7369031	1793012	thyroid hormone receptor interactor 10	Trip10	116717	1,06	down
5765108	7346885	1737319	thyroid hormone receptor interactor 4	Trip4	315769	2,14	down
6524945	7346885	1737313	thyroid hormone receptor interactor 4	Trip4	315769	1,68	up
6267753	7346885	1737312	thyroid hormone receptor interactor 4	Trip4	315769	1,49	up
6292913	7346885	1737318	thyroid hormone receptor interactor 4	Trip4	315769	1,39	down
6458637	7346885	1737302	thyroid hormone receptor interactor 4	Trip4	315769	1,31	down
6292770	7346885	1737318	thyroid hormone receptor interactor 4	Trip4	315769	1,29	up
5692458	7346885	1737301	thyroid hormone receptor interactor 4	Trip4	315769	1,29	up
6200426	7346885	1737310	thyroid hormone receptor interactor 4	Trip4	315769	1,23	up
6594990	7346885	1737322	thyroid hormone receptor interactor 4	Trip4	315769	1,22	up
6634647	7346885	1737315	thyroid hormone receptor interactor 4	Trip4	315769	1,20	up
6690181	7346885	1737320	thyroid hormone receptor interactor 4	Trip4	315769	1,20	down
6455347	7346885	1737311	thyroid hormone receptor interactor 4	Trip4	315769	1,18	down
6567119	7346885	1737321	thyroid hormone receptor interactor 4	Trip4	315769	1,17	up
6710241	7346885	1737316	thyroid hormone receptor interactor 4	Trip4	315769	1,17	down
6613947	7346885	1737314	thyroid hormone receptor interactor 4	Trip4	315769	1,15	up
6714697	7346885	1737323	thyroid hormone receptor interactor 4	Trip4	315769	1,09	up
5821585	7346885	1737306	thyroid hormone receptor interactor 4	Trip4	315769	1,09	up
5726107	7346885	1737315	thyroid hormone receptor interactor 4	Trip4	315769	1,08	up
6623296	7346885	1737301	thyroid hormone receptor interactor 4	Trip4	315769	1,07	down
5674831	7346885	1737317	thyroid hormone receptor interactor 4	Trip4	315769	1,00	up
5993958	7346885	1737308	thyroid hormone receptor interactor 4	Trip4	315769	1,00	up
5989263	7300596	1623395	thyroid stimulating hormone receptor	Tshr	25360	2,11	down
6438551	7300596	1623401	thyroid stimulating hormone receptor	Tshr	25360	1,31	down
6173596	7300596	1623393	thyroid stimulating hormone receptor	Tshr	25360	1,23	up
6207665	7300596	1623393	thyroid stimulating hormone receptor	Tshr	25360	1,19	down
6237362	7300596	1623399	thyroid stimulating hormone receptor	Tshr	25360	1,12	up
6550090	7300596	1623398	thyroid stimulating hormone receptor	Tshr	25360	1,12	up
6030775	7300596	1623400	thyroid stimulating hormone receptor	Tshr	25360	1,10	up
6718765	7300596	1623394	thyroid stimulating hormone receptor	Tshr	25360	1,03	down
6151137	7300596	1623396	thyroid stimulating hormone receptor	Tshr	25360	1,02	down
5985938	7300596	1623402	thyroid stimulating hormone receptor	Tshr	25360	1,01	up
5802036	7300596	1623397	thyroid stimulating hormone receptor	Tshr	25360	1,01	down
6429276	7300596	1623403	thyroid stimulating hormone receptor	Tshr	25360	1,01	down
5760579	7352046	1750028	tight junction associated protein 1	Tjap1	316233	1,76	down
5898022	7352046	1750035	tight junction associated protein 1	Tjap1	316233	1,46	down
6024569	7352046	1750028	tight junction associated protein 1	Tjap1	316233	1,39	down
5685171	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,37	up
6651703	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,35	up
5780713	7352046	1750031	tight junction associated protein 1	Tjap1	316233	1,33	down
5682320	7352046	1750038	tight junction associated protein 1	Tjap1	316233	1,26	up
5961630	7352046	1750034	tight junction associated protein 1	Tjap1	316233	1,24	up

5825377	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,20	down
6262909	7352046	1750043	tight junction associated protein 1	Tjap1	316233	1,20	down
5906549	7352046	1750044	tight junction associated protein 1	Tjap1	316233	1,19	up
6014048	7352046	1750041	tight junction associated protein 1	Tjap1	316233	1,15	down
6417323	7352046	1750042	tight junction associated protein 1	Tjap1	316233	1,14	down
6040406	7352046	1750037	tight junction associated protein 1	Tjap1	316233	1,12	down
5843654	7352046	1750040	tight junction associated protein 1	Tjap1	316233	1,11	up
5646220	7052338	1014650	tight junction protein 1	Tjp1	292994	1,46	up
6632030	7052338	1014648	tight junction protein 1	Tjp1	292994	1,38	up
5855928	7052338	1014652	tight junction protein 1	Tjp1	292994	1,35	up
5819784	7052338	1014651	tight junction protein 1	Tjp1	292994	1,28	up
5716826	7052338	1014655	tight junction protein 1	Tjp1	292994	1,28	up
5779601	7052338	1014640	tight junction protein 1	Tjp1	292994	1,27	down
6186444	7052338	1014656	tight junction protein 1	Tjp1	292994	1,27	up
5638816	7052338	1014654	tight junction protein 1	Tjp1	292994	1,25	up
6354325	7052338	1014644	tight junction protein 1	Tjp1	292994	1,23	up
6408378	7052338	1014638	tight junction protein 1	Tjp1	292994	1,23	down
6136892	7052338	1014633	tight junction protein 1	Tjp1	292994	1,22	up
5890897	7052338	1014642	tight junction protein 1	Tjp1	292994	1,20	up
5752491	7052338	1014629	tight junction protein 1	Tjp1	292994	1,19	down
5629818	7052338	1014646	tight junction protein 1	Tjp1	292994	1,18	down
5991569	7052338	1014642	tight junction protein 1	Tjp1	292994	1,17	up
6287041	7052338	1014645	tight junction protein 1	Tjp1	292994	1,17	up
5639643	7052338	1014658	tight junction protein 1	Tjp1	292994	1,13	up
6662803	7052338	1014661	tight junction protein 1	Tjp1	292994	1,12	down
6268221	7052338	1014639	tight junction protein 1	Tjp1	292994	1,11	down
6330902	7052338	1014660	tight junction protein 1	Tjp1	292994	1,10	down
5689123	7052338	1014647	tight junction protein 1	Tjp1	292994	1,09	up
5624154	7052338	1014636	tight junction protein 1	Tjp1	292994	1,09	down
6695930	7052338	1014650	tight junction protein 1	Tjp1	292994	1,09	up
6575786	7052338	1014634	tight junction protein 1	Tjp1	292994	1,08	up
5695299	7052338	1014658	tight junction protein 1	Tjp1	292994	1,07	up
6593637	7052338	1014635	tight junction protein 1	Tjp1	292994	1,07	down
5628500	7052338	1014659	tight junction protein 1	Tjp1	292994	1,06	down
6315196	7052338	1014636	tight junction protein 1	Tjp1	292994	1,05	down
5910605	7052338	1014641	tight junction protein 1	Tjp1	292994	1,05	up
6704426	7052338	1014653	tight junction protein 1	Tjp1	292994	1,05	up
5650820	7052338	1014630	tight junction protein 1	Tjp1	292994	1,04	down
6700000	7052338	1014643	tight junction protein 1	Tjp1	292994	1,03	down
6726102	7052338	1014642	tight junction protein 1	Tjp1	292994	1,01	down
6625086	7312338	1652787	tight junction protein 3	Tjp3	314640	4,06	down
5815074	7312338	1652767	tight junction protein 3	Tjp3	314640	2,64	down
5632277	7312338	1652786	tight junction protein 3	Tjp3	314640	2,27	down
6633768	7312338	1652774	tight junction protein 3	Tjp3	314640	1,88	up
6629346	7312338	1652784	tight junction protein 3	Tjp3	314640	1,64	down
6318792	7312338	1652770	tight junction protein 3	Tjp3	314640	1,58	up
6091241	7312338	1652778	tight junction protein 3	Tjp3	314640	1,54	up
5795516	7312338	1652768	tight junction protein 3	Tjp3	314640	1,53	down
6396142	7312338	1652785	tight junction protein 3	Tjp3	314640	1,49	down
6511882	7312338	1652771	tight junction protein 3	Tjp3	314640	1,38	up
5781638	7312338	1652782	tight junction protein 3	Tjp3	314640	1,33	up
6521168	7312338	1652773	tight junction protein 3	Tjp3	314640	1,29	up
6041431	7312338	1652777	tight junction protein 3	Tjp3	314640	1,28	down
6181707	7312338	1652777	tight junction protein 3	Tjp3	314640	1,26	up
6289615	7312338	1652776	tight junction protein 3	Tjp3	314640	1,25	down
6047931	7312338	1652780	tight junction protein 3	Tjp3	314640	1,24	down
6403398	7312338	1652783	tight junction protein 3	Tjp3	314640	1,16	up

6189499	7312338	1652775	tight junction protein 3	Tjp3	314640	1,16	up
6247807	7312338	1652771	tight junction protein 3	Tjp3	314640	1,15	down
5697605	7312338	1652781	tight junction protein 3	Tjp3	314640	1,12	up
6557028	7312338	1652769	tight junction protein 3	Tjp3	314640	1,07	down
6423656	7312338	1652779	tight junction protein 3	Tjp3	314640	1,06	down
6126103	7311776	1651639	timeless homolog (Drosophila)	Timeless	83508	2,04	down
6582326	7311776	1651644	timeless homolog (Drosophila)	Timeless	83508	1,53	down
6696463	7311776	1651627	timeless homolog (Drosophila)	Timeless	83508	1,50	up
5950752	7311776	1651627	timeless homolog (Drosophila)	Timeless	83508	1,44	down
5695399	7311776	1651650	timeless homolog (Drosophila)	Timeless	83508	1,44	down
6616640	7311776	1651632	timeless homolog (Drosophila)	Timeless	83508	1,43	down
5799190	7311776	1651646	timeless homolog (Drosophila)	Timeless	83508	1,31	down
6011983	7311776	1651648	timeless homolog (Drosophila)	Timeless	83508	1,30	down
5802743	7311776	1651645	timeless homolog (Drosophila)	Timeless	83508	1,28	up
6030301	7311776	1651628	timeless homolog (Drosophila)	Timeless	83508	1,25	down
5805025	7311776	1651633	timeless homolog (Drosophila)	Timeless	83508	1,23	up
6148682	7311776	1651641	timeless homolog (Drosophila)	Timeless	83508	1,22	down
6335794	7311776	1651646	timeless homolog (Drosophila)	Timeless	83508	1,18	up
6061028	7311776	1651629	timeless homolog (Drosophila)	Timeless	83508	1,16	down
6131178	7311776	1651647	timeless homolog (Drosophila)	Timeless	83508	1,15	down
6603578	7311776	1651634	timeless homolog (Drosophila)	Timeless	83508	1,14	up
5719813	7311776	1651638	timeless homolog (Drosophila)	Timeless	83508	1,12	up
5934335	7311776	1651630	timeless homolog (Drosophila)	Timeless	83508	1,11	down
6232562	7311776	1651643	timeless homolog (Drosophila)	Timeless	83508	1,10	up
5620336	7311776	1651642	timeless homolog (Drosophila)	Timeless	83508	1,08	down
5740555	7311776	1651640	timeless homolog (Drosophila)	Timeless	83508	1,08	up
6474801	7311776	1651636	timeless homolog (Drosophila)	Timeless	83508	1,08	down
6650895	7311776	1651644	timeless homolog (Drosophila)	Timeless	83508	1,07	up
6379999	7311776	1651642	timeless homolog (Drosophila)	Timeless	83508	1,05	down
5772883	7311776	1651645	timeless homolog (Drosophila)	Timeless	83508	1,05	up
5977413	7311776	1651650	timeless homolog (Drosophila)	Timeless	83508	1,05	up
5929178	7311776	1651637	timeless homolog (Drosophila)	Timeless	83508	1,04	up
6064741	7311776	1651635	timeless homolog (Drosophila)	Timeless	83508	1,04	down
6165802	7311776	1651631	timeless homolog (Drosophila)	Timeless	83508	1,03	down
6000874	7311776	1651649	timeless homolog (Drosophila)	Timeless	83508	1,01	down
5878975	7311776	1651626	timeless homolog (Drosophila)	Timeless	83508	1,01	down
6164744	7379138	1818924	TIMP metalloproteinase inhibitor 1	Timp1	116510	5,16	down
6395478	7379138	1818925	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,32	up
6315878	7379138	1818927	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,26	up
5716973	7379138	1818928	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,24	down
6144215	7379138	1818929	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,23	up
5739506	7379138	1818929	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,19	down
6742490	7379138	1818926	TIMP metalloproteinase inhibitor 1	Timp1	116510	1,19	up
6157429	7240569	1475305	titin	Ttn	84015	1,65	up
6574069	7240569	1475423	titin	Ttn	84015	1,64	down
6162425	7240569	1475442	titin	Ttn	84015	1,55	down
6309845	7240569	1475307	titin	Ttn	84015	1,52	down
6463813	7240569	1475426	titin	Ttn	84015	1,51	up
6072039	7240569	1475467	titin	Ttn	84015	1,50	down
6731225	7240569	1475412	titin	Ttn	84015	1,49	down
6061335	7240569	1475477	titin	Ttn	84015	1,47	up
5757974	7240569	1475306	titin	Ttn	84015	1,45	up
6451737	7240569	1475398	titin	Ttn	84015	1,45	down
5637734	7240569	1475441	titin	Ttn	84015	1,42	down
6546184	7240569	1475422	titin	Ttn	84015	1,42	up
6118324	7240569	1475431	titin	Ttn	84015	1,40	down
6073009	7240569	1475391	titin	Ttn	84015	1,38	up

6730367	7240569	1475436	titin	Ttn	84015	1,37	up
6269475	7240569	1475410	titin	Ttn	84015	1,35	down
6645369	7240569	1475308	titin	Ttn	84015	1,34	down
6095602	7240569	1475425	titin	Ttn	84015	1,31	down
6236639	7240569	1475431	titin	Ttn	84015	1,29	down
5723280	7240569	1475408	titin	Ttn	84015	1,28	up
6632703	7240569	1475475	titin	Ttn	84015	1,24	up
6043164	7240569	1475435	titin	Ttn	84015	1,24	up
6693152	7240569	1475465	titin	Ttn	84015	1,23	down
6155294	7240569	1475340	titin	Ttn	84015	1,22	down
6738689	7240569	1475418	titin	Ttn	84015	1,21	up
5883593	7240569	1475417	titin	Ttn	84015	1,21	up
6271050	7240569	1475427	titin	Ttn	84015	1,21	down
5831786	7240569	1475309	titin	Ttn	84015	1,19	down
6101607	7240569	1475432	titin	Ttn	84015	1,19	up
6406930	7240569	1475422	titin	Ttn	84015	1,16	up
6438825	7240569	1475465	titin	Ttn	84015	1,15	down
5671996	7240569	1475428	titin	Ttn	84015	1,14	up
6187035	7240569	1475421	titin	Ttn	84015	1,14	up
5976243	7240569	1475406	titin	Ttn	84015	1,14	up
6718484	7240569	1475467	titin	Ttn	84015	1,14	up
6206245	7240569	1475439	titin	Ttn	84015	1,11	up
5963114	7240569	1475434	titin	Ttn	84015	1,11	down
5769298	7240569	1475414	titin	Ttn	84015	1,10	down
6534420	7240569	1475304	titin	Ttn	84015	1,10	up
6013623	7240569	1475415	titin	Ttn	84015	1,10	up
6621625	7240569	1475429	titin	Ttn	84015	1,09	down
5852833	7240569	1475409	titin	Ttn	84015	1,08	up
6187370	7240569	1475411	titin	Ttn	84015	1,08	down
6284581	7240569	1475436	titin	Ttn	84015	1,08	down
6700074	7240569	1475407	titin	Ttn	84015	1,07	up
6269080	7240569	1475426	titin	Ttn	84015	1,07	down
5834926	7240569	1475424	titin	Ttn	84015	1,07	up
5773398	7240569	1475413	titin	Ttn	84015	1,07	down
6566338	7240569	1475430	titin	Ttn	84015	1,07	up
5642040	7240569	1475428	titin	Ttn	84015	1,06	down
5883814	7240569	1475416	titin	Ttn	84015	1,06	down
5788584	7240569	1475392	titin	Ttn	84015	1,06	up
6639810	7240569	1475438	titin	Ttn	84015	1,05	up
6010526	7240569	1475426	titin	Ttn	84015	1,05	down
6372851	7240569	1475433	titin	Ttn	84015	1,05	down
6645344	7240569	1475430	titin	Ttn	84015	1,04	up
5952371	7240569	1475419	titin	Ttn	84015	1,03	down
6168060	7240569	1475373	titin	Ttn	84015	1,03	down
6223146	7240569	1475374	titin	Ttn	84015	1,02	down
6431157	7240569	1475437	titin	Ttn	84015	1,01	down
6425827	7240569	1475440	titin	Ttn	84015	1,01	down
5810768	7240569	1475310	titin	Ttn	84015	1,00	down
6476522	7080069	1079627	TLC domain containing 1	Tlcd1	287472	2,00	down
6709894	7080069	1079623	TLC domain containing 1	Tlcd1	287472	1,26	down
6611068	7080069	1079627	TLC domain containing 1	Tlcd1	287472	1,22	up
6427123	7080069	1079625	TLC domain containing 1	Tlcd1	287472	1,16	up
6169322	7080069	1079626	TLC domain containing 1	Tlcd1	287472	1,12	up
5802821	7080069	1079624	TLC domain containing 1	Tlcd1	287472	1,04	down
6576581	7215947	1412919	TNNI3 interacting kinase	Tnni3k	295531	2,45	down
6589226	7215947	1412917	TNNI3 interacting kinase	Tnni3k	295531	1,69	down
6022234	7215947	1412922	TNNI3 interacting kinase	Tnni3k	295531	1,67	up

6314383	7215947	1412931	TNNI3 interacting kinase	Tnni3k	295531	1,39	up
5847305	7215947	1412937	TNNI3 interacting kinase	Tnni3k	295531	1,29	up
6442594	7215947	1412932	TNNI3 interacting kinase	Tnni3k	295531	1,26	down
6214541	7215947	1412933	TNNI3 interacting kinase	Tnni3k	295531	1,23	down
5628235	7215947	1412925	TNNI3 interacting kinase	Tnni3k	295531	1,18	up
6454791	7215947	1412929	TNNI3 interacting kinase	Tnni3k	295531	1,18	down
5742455	7215947	1412920	TNNI3 interacting kinase	Tnni3k	295531	1,13	down
5679115	7215947	1412934	TNNI3 interacting kinase	Tnni3k	295531	1,13	down
5859608	7215947	1412923	TNNI3 interacting kinase	Tnni3k	295531	1,12	up
6181850	7215947	1412927	TNNI3 interacting kinase	Tnni3k	295531	1,10	up
5884890	7215947	1412924	TNNI3 interacting kinase	Tnni3k	295531	1,10	down
6105674	7215947	1412921	TNNI3 interacting kinase	Tnni3k	295531	1,09	up
6433829	7215947	1412928	TNNI3 interacting kinase	Tnni3k	295531	1,09	up
6521681	7215947	1412918	TNNI3 interacting kinase	Tnni3k	295531	1,09	down
6241496	7215947	1412936	TNNI3 interacting kinase	Tnni3k	295531	1,08	down
6081617	7215947	1412930	TNNI3 interacting kinase	Tnni3k	295531	1,04	up
6254664	7215947	1412935	TNNI3 interacting kinase	Tnni3k	295531	1,04	up
6325267	7215947	1412926	TNNI3 interacting kinase	Tnni3k	295531	1,03	up
5910904	7118598	1173761	toll-like receptor 6	Tlr6	305353	2,10	up
5690222	7118598	1173761	toll-like receptor 6	Tlr6	305353	1,14	down
6544847	7118598	1173761	toll-like receptor 6	Tlr6	305353	1,11	down
5779130	7118598	1173761	toll-like receptor 6	Tlr6	305353	1,01	up
6468804	7175355	1313236	toll-like receptor adaptor molecule 2	Ticam2	364867	2,61	up
5796353	7175355	1313233	toll-like receptor adaptor molecule 2	Ticam2	364867	2,49	up
5935704	7175355	1313232	toll-like receptor adaptor molecule 2	Ticam2	364867	1,66	up
5972960	7175355	1313231	toll-like receptor adaptor molecule 2	Ticam2	364867	1,60	up
5908134	7175355	1313230	toll-like receptor adaptor molecule 2	Ticam2	364867	1,55	up
6203080	7175355	1313237	toll-like receptor adaptor molecule 2	Ticam2	364867	1,54	up
6555498	7175355	1313237	toll-like receptor adaptor molecule 2	Ticam2	364867	1,41	up
5679118	7144782	1237791	tolloid-like 1	Tll1	678743	2,76	up
6313109	7144782	1237790	tolloid-like 1	Tll1	678743	1,94	up
6056566	7144782	1237779	tolloid-like 1	Tll1	678743	1,58	up
6174014	7144782	1237785	tolloid-like 1	Tll1	678743	1,54	up
6376101	7144782	1237792	tolloid-like 1	Tll1	678743	1,53	up
6237148	7144782	1237781	tolloid-like 1	Tll1	678743	1,44	up
6384390	7144782	1237795	tolloid-like 1	Tll1	678743	1,39	up
5891689	7144782	1237795	tolloid-like 1	Tll1	678743	1,38	down
6355764	7144782	1237794	tolloid-like 1	Tll1	678743	1,37	up
6058071	7144782	1237770	tolloid-like 1	Tll1	678743	1,36	down
6576934	7144782	1237785	tolloid-like 1	Tll1	678743	1,35	down
6003931	7144782	1237769	tolloid-like 1	Tll1	678743	1,26	up
6579588	7144782	1237793	tolloid-like 1	Tll1	678743	1,25	up
6159184	7144782	1237786	tolloid-like 1	Tll1	678743	1,24	down
6325793	7144782	1237772	tolloid-like 1	Tll1	678743	1,22	up
6165470	7144782	1237782	tolloid-like 1	Tll1	678743	1,21	up
5710689	7144782	1237759	tolloid-like 1	Tll1	678743	1,20	up
6539848	7144782	1237768	tolloid-like 1	Tll1	678743	1,20	up
6541596	7144782	1237781	tolloid-like 1	Tll1	678743	1,18	up
5617725	7144782	1237771	tolloid-like 1	Tll1	678743	1,14	down
5763985	7144782	1237773	tolloid-like 1	Tll1	678743	1,08	down
6092073	7144782	1237779	tolloid-like 1	Tll1	678743	1,08	down
6720716	7144782	1237775	tolloid-like 1	Tll1	678743	1,07	up
6729010	7144782	1237776	tolloid-like 1	Tll1	678743	1,03	down
6126580	7144782	1237788	tolloid-like 1	Tll1	678743	1,02	down
6097360	7144782	1237785	tolloid-like 1	Tll1	678743	1,01	down
6230616	7050641	1010962	tonin	Ton	24841	2,06	down
5938627	7050641	1010960	tonin	Ton	24841	1,40	up

5866231	7050641	1010958	tonin	Ton	24841	1,30	down
6020894	7050641	1010958	tonin	Ton	24841	1,22	down
6699917	7050641	1010959	tonin	Ton	24841	1,20	up
5894341	7050641	1010962	tonin	Ton	24841	1,09	up
5864607	7050641	1010957	tonin	Ton	24841	1,04	down
6656038	7328991	1693200	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	2,21	up
6481374	7328991	1693201	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,67	up
6115349	7328991	1693209	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,63	down
5725860	7328991	1693197	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,46	down
5649296	7328991	1693195	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,44	down
6356410	7328991	1693199	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,43	up
6586888	7328991	1693202	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,33	down
6045424	7328991	1693205	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,32	up
5833216	7328991	1693196	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,22	up
6536461	7328991	1693203	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,19	down
6377065	7328991	1693198	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,14	up
6378733	7328991	1693207	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,10	down
5778025	7328991	1693205	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,07	down
6453440	7328991	1693206	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,07	down
5865256	7328991	1693208	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,06	up
6360364	7328991	1693204	topoisomerase (DNA) I, mitochondrial	Top1mt	300029	1,03	down
6387258	7226288	1438046	torsin family 2, member A	Tor2a	362112	1,51	down
6406762	7226288	1438045	torsin family 2, member A	Tor2a	362112	1,13	up
6310125	7226288	1438044	torsin family 2, member A	Tor2a	362112	1,08	down
6690140	7226288	1438043	torsin family 2, member A	Tor2a	362112	1,08	up
5899108	7226288	1438042	torsin family 2, member A /// peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)	Tor2a /// Ptrh1	362112 /// 362113	2,03	up
5946258	7226288	1438040	torsin family 2, member A /// peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)	Tor2a /// Ptrh1	362112 /// 362113	1,26	down
6352292	7226288	1438041	torsin family 2, member A /// peptidyl-tRNA hydrolase 1 homolog (S. cerevisiae)	Tor2a /// Ptrh1	362112 /// 362113	1,20	up
6493661	7219605	1422078	Traf3 interacting protein 2	Traf3ip2	361857	2,53	down
5742321	7219605	1422073	Traf3 interacting protein 2	Traf3ip2	361857	2,44	up
6008345	7219605	1422063	Traf3 interacting protein 2	Traf3ip2	361857	1,88	up
6203094	7219605	1422078	Traf3 interacting protein 2	Traf3ip2	361857	1,80	down
6251332	7219605	1422070	Traf3 interacting protein 2	Traf3ip2	361857	1,59	up
5635424	7219605	1422063	Traf3 interacting protein 2	Traf3ip2	361857	1,57	up
6216119	7219605	1422077	Traf3 interacting protein 2	Traf3ip2	361857	1,34	down
6672019	7219605	1422069	Traf3 interacting protein 2	Traf3ip2	361857	1,25	up
6414727	7219605	1422053	Traf3 interacting protein 2	Traf3ip2	361857	1,20	down
5864016	7219605	1422073	Traf3 interacting protein 2	Traf3ip2	361857	1,17	down
5981350	7219605	1422057	Traf3 interacting protein 2	Traf3ip2	361857	1,12	up
5757840	7219605	1422057	Traf3 interacting protein 2	Traf3ip2	361857	1,05	up
6121859	7219605	1422066	Traf3 interacting protein 2	Traf3ip2	361857	1,03	down
6038423	7219605	1422062	Traf3 interacting protein 2	Traf3ip2	361857	1,01	down
6684023	7344745	1732280	trafficking protein particle complex 4	Trappc4	367073	2,93	down
6361780	7344745	1732280	trafficking protein particle complex 4	Trappc4	367073	1,63	down
6637580	7344745	1732279	trafficking protein particle complex 4	Trappc4	367073	1,50	up
6301956	7344745	1732280	trafficking protein particle complex 4	Trappc4	367073	1,18	up
6642706	7344745	1732277	trafficking protein particle complex 4	Trappc4	367073	1,06	up
6707269	7344745	1732278	trafficking protein particle complex 4	Trappc4	367073	1,03	down
6456221	7344745	1732276	trafficking protein particle complex 4	Trappc4	367073	1,03	up
5799676	7344745	1732275	trafficking protein particle complex 4	Trappc4	367073	1,00	up
6504756	7029442	959559	trafficking protein particle complex 6A	Trappc6a	680465	2,06	up
6451807	7029442	959555	trafficking protein particle complex 6A	Trappc6a	680465	1,89	down
6256237	7029442	959557	trafficking protein particle complex 6A	Trappc6a	680465	1,48	down
6073540	7029442	959558	trafficking protein particle complex 6A	Trappc6a	680465	1,28	up
6336816	7029442	959559	trafficking protein particle complex 6A	Trappc6a	680465	1,13	down
6245002	7029442	959554	trafficking protein particle complex 6A	Trappc6a	680465	1,08	up
6039077	7029442	959556	trafficking protein particle complex 6A	Trappc6a	680465	1,07	down

6017212	7362580	1775774	trafficking protein, kinesin binding 2	Trak2	171086	2,08	up
5620093	7362580	1775786	trafficking protein, kinesin binding 2	Trak2	171086	1,69	up
6480101	7362580	1775788	trafficking protein, kinesin binding 2	Trak2	171086	1,68	down
6416982	7362580	1775776	trafficking protein, kinesin binding 2	Trak2	171086	1,58	down
6206735	7362580	1775781	trafficking protein, kinesin binding 2	Trak2	171086	1,54	down
6502809	7362580	1775778	trafficking protein, kinesin binding 2	Trak2	171086	1,34	down
5726939	7362580	1775771	trafficking protein, kinesin binding 2	Trak2	171086	1,34	down
6299613	7362580	1775789	trafficking protein, kinesin binding 2	Trak2	171086	1,28	up
6438159	7362580	1775785	trafficking protein, kinesin binding 2	Trak2	171086	1,25	down
5881538	7362580	1775780	trafficking protein, kinesin binding 2	Trak2	171086	1,25	up
5861428	7362580	1775783	trafficking protein, kinesin binding 2	Trak2	171086	1,22	up
6714589	7362580	1775779	trafficking protein, kinesin binding 2	Trak2	171086	1,18	down
6010675	7362580	1775774	trafficking protein, kinesin binding 2	Trak2	171086	1,17	down
6189334	7362580	1775776	trafficking protein, kinesin binding 2	Trak2	171086	1,15	up
5889706	7362580	1775777	trafficking protein, kinesin binding 2	Trak2	171086	1,14	down
5956913	7362580	1775771	trafficking protein, kinesin binding 2	Trak2	171086	1,11	up
5912395	7362580	1775787	trafficking protein, kinesin binding 2	Trak2	171086	1,09	up
6416411	7362580	1775772	trafficking protein, kinesin binding 2	Trak2	171086	1,08	down
5769445	7362580	1775782	trafficking protein, kinesin binding 2	Trak2	171086	1,04	down
6262819	7362580	1775773	trafficking protein, kinesin binding 2	Trak2	171086	1,04	down
5695038	7362580	1775775	trafficking protein, kinesin binding 2	Trak2	171086	1,03	down
5772514	7362580	1775784	trafficking protein, kinesin binding 2	Trak2	171086	1,01	up
6241203	7283156	1580624	transcription elongation factor A (SII) 1	Tcea1	362479	1,57	up
6217389	7283156	1580615	transcription elongation factor A (SII) 1	Tcea1	362479	1,56	down
6424384	7283156	1580618	transcription elongation factor A (SII) 1	Tcea1	362479	1,52	up
5742995	7283156	1580617	transcription elongation factor A (SII) 1	Tcea1	362479	1,32	up
5746987	7283156	1580625	transcription elongation factor A (SII) 1	Tcea1	362479	1,23	down
6659566	7283156	1580626	transcription elongation factor A (SII) 1	Tcea1	362479	1,19	down
5718853	7283156	1580614	transcription elongation factor A (SII) 1	Tcea1	362479	1,12	down
6729913	7283156	1580623	transcription elongation factor A (SII) 1	Tcea1	362479	1,08	up
6683103	7283156	1580626	transcription elongation factor A (SII) 1	Tcea1	362479	1,05	up
6418579	7283156	1580620	transcription elongation factor A (SII) 1	Tcea1	362479	1,05	up
6638537	7283156	1580621	transcription elongation factor A (SII) 1	Tcea1	362479	1,00	up
6741052	7283156	1580616	transcription elongation factor A (SII) 1	Tcea1	362479	1,00	down
5956537	7235808	1462947	transcription factor AP-2, gamma	Tcfap2c	362280	2,05	up
6225641	7235808	1462949	transcription factor AP-2, gamma	Tcfap2c	362280	1,84	down
6319586	7235808	1462951	transcription factor AP-2, gamma	Tcfap2c	362280	1,27	up
6360511	7235808	1462950	transcription factor AP-2, gamma	Tcfap2c	362280	1,13	up
6493731	7235808	1462947	transcription factor AP-2, gamma	Tcfap2c	362280	1,10	down
5939207	7235808	1462952	transcription factor AP-2, gamma	Tcfap2c	362280	1,08	down
5880311	7235808	1462947	transcription factor AP-2, gamma	Tcfap2c	362280	1,04	down
5741636	7235808	1462949	transcription factor AP-2, gamma	Tcfap2c	362280	1,00	up
6083645	7235808	1462948	transcription factor AP-2, gamma	Tcfap2c	362280	1,00	up
6409592	7235808	1462946	transcription factor AP-2, gamma	Tcfap2c	362280	1,00	up
6164770	7359426	1768353	transcription factor EB	Tfeb	316214	2,00	down
6231486	7359426	1768355	transcription factor EB	Tfeb	316214	1,78	up
6560960	7359426	1768359	transcription factor EB	Tfeb	316214	1,42	up
5731961	7359426	1768353	transcription factor EB	Tfeb	316214	1,39	up
5882265	7359426	1768358	transcription factor EB	Tfeb	316214	1,38	up
6286960	7359426	1768355	transcription factor EB	Tfeb	316214	1,33	up
6137715	7359426	1768362	transcription factor EB	Tfeb	316214	1,30	down
6476467	7359426	1768360	transcription factor EB	Tfeb	316214	1,21	up
6424206	7359426	1768363	transcription factor EB	Tfeb	316214	1,19	down
6395428	7359426	1768364	transcription factor EB	Tfeb	316214	1,15	down
6218975	7359426	1768357	transcription factor EB	Tfeb	316214	1,06	down
5740464	7359426	1768362	transcription factor EB	Tfeb	316214	1,06	down
6350131	7359426	1768353	transcription factor EB	Tfeb	316214	1,04	down

6031972	7359426	1768353	transcription factor EB	Tfeb	316214	1,03	up
5980634	7359426	1768361	transcription factor EB	Tfeb	316214	1,01	up
6176798	7359426	1768362	transcription factor EB	Tfeb	316214	1,00	down
6652741	7080793	1081110	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	2,86	down
6707434	7080793	1081114	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,94	down
5979244	7080793	1081113	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,66	down
5908942	7080793	1081111	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,49	down
6477452	7080793	1081112	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,47	up
5690094	7080793	1081118	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,37	down
6458765	7080793	1081116	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,36	up
6549299	7080793	1081122	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,31	up
6272377	7080793	1081108	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,31	down
6459118	7080793	1081115	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,27	up
5649159	7080793	1081124	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,21	down
6338681	7080793	1081117	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,15	down
6296704	7080793	1081109	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,12	up
6562687	7080793	1081123	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,09	down
5872590	7080793	1081112	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,08	up
5671823	7080793	1081120	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,06	down
6134373	7080793	1081119	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,05	down
6701710	7080793	1081121	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,04	down
6539264	7080793	1081120	transcriptional adaptor 2 (ADA2 homolog, yeast)-like	Tada2l	360581	1,03	up
6262138	7094158	1112984	transferrin receptor	Tfrc	64678	3,07	down
6067776	7094158	1112983	transferrin receptor	Tfrc	64678	1,58	up
6245662	7094158	1112980	transferrin receptor	Tfrc	64678	1,28	up
6143381	7094158	1112976	transferrin receptor	Tfrc	64678	1,19	up
6345050	7094158	1112976	transferrin receptor	Tfrc	64678	1,16	down
5787004	7094158	1112967	transferrin receptor	Tfrc	64678	1,16	down
6487838	7094158	1112966	transferrin receptor	Tfrc	64678	1,14	up
5750427	7094158	1112977	transferrin receptor	Tfrc	64678	1,14	down
6592763	7094158	1112979	transferrin receptor	Tfrc	64678	1,13	down
6687990	7094158	1112978	transferrin receptor	Tfrc	64678	1,11	down
5709075	7094158	1112965	transferrin receptor	Tfrc	64678	1,06	up
6197333	7094158	1112969	transferrin receptor	Tfrc	64678	1,06	up
5826456	7094158	1112965	transferrin receptor	Tfrc	64678	1,06	down
6285408	7094158	1112968	transferrin receptor	Tfrc	64678	1,05	up
6432117	7094158	1112971	transferrin receptor	Tfrc	64678	1,04	up
6371980	7094158	1112972	transferrin receptor	Tfrc	64678	1,03	down
6073866	7094158	1112975	transferrin receptor	Tfrc	64678	1,02	up
6709269	7094158	1112973	transferrin receptor	Tfrc	64678	1,02	down
6681836	7094158	1112974	transferrin receptor	Tfrc	64678	1,01	down
5708094	7097240	1120364	transferrin receptor 2	Tfr2	288562	2,33	up
5651491	7097240	1120364	transferrin receptor 2	Tfr2	288562	1,63	up
5991339	7097240	1120363	transferrin receptor 2	Tfr2	288562	1,62	down
6516888	7097240	1120356	transferrin receptor 2	Tfr2	288562	1,59	down
6468965	7097240	1120365	transferrin receptor 2	Tfr2	288562	1,53	down
5830208	7097240	1120368	transferrin receptor 2	Tfr2	288562	1,42	up
5831829	7097240	1120359	transferrin receptor 2	Tfr2	288562	1,29	up
5681004	7097240	1120364	transferrin receptor 2	Tfr2	288562	1,28	up
5659917	7097240	1120357	transferrin receptor 2	Tfr2	288562	1,19	down
6120774	7097240	1120367	transferrin receptor 2	Tfr2	288562	1,13	down
6080884	7097240	1120361	transferrin receptor 2	Tfr2	288562	1,10	down
6694904	7097240	1120371	transferrin receptor 2	Tfr2	288562	1,10	down
5825016	7097240	1120369	transferrin receptor 2	Tfr2	288562	1,09	up
6301274	7097240	1120358	transferrin receptor 2	Tfr2	288562	1,09	down
5631259	7097240	1120370	transferrin receptor 2	Tfr2	288562	1,08	up
5661000	7097240	1120355	transferrin receptor 2	Tfr2	288562	1,06	down

5686507	7097240	1120368	transferrin receptor 2	Tfr2	288562	1,05	up
6185655	7097240	1120371	transferrin receptor 2	Tfr2	288562	1,04	down
6344380	7097240	1120360	transferrin receptor 2	Tfr2	288562	1,02	up
5964610	7097240	1120365	transferrin receptor 2	Tfr2	288562	1,02	up
6104951	7097240	1120362	transferrin receptor 2	Tfr2	288562	1,02	down
6646859	7037235	978579	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,74	down
6062968	7037235	978577	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,55	up
6316958	7037235	978582	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,49	up
5694983	7037235	978578	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,28	down
5687677	7037235	978578	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,24	down
6315619	7037235	978580	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,15	down
6328914	7037235	978581	transforming growth factor beta 1 induced transcript 1	Tgfb1i1	84574	1,07	up
5923647	7115195	1165151	transforming growth factor, beta 2	Tgfb2	81809	2,62	down
6253792	7115195	1165150	transforming growth factor, beta 2	Tgfb2	81809	1,66	down
6111596	7115195	1165145	transforming growth factor, beta 2	Tgfb2	81809	1,54	down
6104289	7115195	1165150	transforming growth factor, beta 2	Tgfb2	81809	1,53	down
5955561	7115195	1165145	transforming growth factor, beta 2	Tgfb2	81809	1,41	up
6350412	7115195	1165147	transforming growth factor, beta 2	Tgfb2	81809	1,37	up
6697051	7115195	1165146	transforming growth factor, beta 2	Tgfb2	81809	1,25	up
6742922	7115195	1165152	transforming growth factor, beta 2	Tgfb2	81809	1,24	up
5770630	7115195	1165149	transforming growth factor, beta 2	Tgfb2	81809	1,07	up
6700234	7115195	1165148	transforming growth factor, beta 2	Tgfb2	81809	1,06	down
5816133	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	2,41	down
6302021	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,41	up
5756549	7146933	1243058	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,37	down
6319942	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,36	up
5655778	7146933	1243057	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,35	down
6315627	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,31	down
6498908	7146933	1243053	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,29	down
5864212	7146933	1243056	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,27	up
6517600	7146933	1243046	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,26	up
6371164	7146933	1243051	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,22	down
6557655	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,22	up
5776339	7146933	1243054	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,21	up
6591786	7146933	1243052	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,20	down
6139879	7146933	1243048	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,17	down
5907223	7146933	1243050	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,17	up
6660173	7146933	1243045	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,16	up
5974888	7146933	1243059	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,16	up
6489035	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,15	up
6263612	7146933	1243055	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,12	up
6674692	7146933	1243044	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,10	down
6674175	7146933	1243045	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,09	down
6325763	7146933	1243049	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,06	up
6313755	7146933	1243047	transforming, acidic coiled-coil containing protein 1	Tacc1	306562	1,02	up
5822347	7087986	1098090	transgelin 3	Tagln3	63837	2,13	up
6122377	7087986	1098094	transgelin 3	Tagln3	63837	1,69	down
5674059	7087986	1098095	transgelin 3	Tagln3	63837	1,23	down
6192444	7087986	1098092	transgelin 3	Tagln3	63837	1,22	down
6538925	7087986	1098093	transgelin 3	Tagln3	63837	1,22	up
6297376	7087986	1098094	transgelin 3	Tagln3	63837	1,10	up
5819346	7087986	1098091	transgelin 3	Tagln3	63837	1,06	down
6597787	7247301	1490758	transglutaminase 2, C polypeptide	Tgm2	56083	2,33	up
6378490	7247301	1490749	transglutaminase 2, C polypeptide	Tgm2	56083	1,80	up
6274199	7247301	1490757	transglutaminase 2, C polypeptide	Tgm2	56083	1,31	up
6669585	7247301	1490755	transglutaminase 2, C polypeptide	Tgm2	56083	1,30	down
6425997	7247301	1490756	transglutaminase 2, C polypeptide	Tgm2	56083	1,24	down

6439068	7247301	1490760	transglutaminase 2, C polypeptide	Tgm2	56083	1,23	down
6638561	7247301	1490751	transglutaminase 2, C polypeptide	Tgm2	56083	1,23	down
5621433	7247301	1490750	transglutaminase 2, C polypeptide	Tgm2	56083	1,17	up
6257274	7247301	1490754	transglutaminase 2, C polypeptide	Tgm2	56083	1,16	up
6005725	7247301	1490753	transglutaminase 2, C polypeptide	Tgm2	56083	1,10	down
6089904	7247301	1490752	transglutaminase 2, C polypeptide	Tgm2	56083	1,09	down
6026742	7247301	1490761	transglutaminase 2, C polypeptide	Tgm2	56083	1,09	up
5687047	7247301	1490759	transglutaminase 2, C polypeptide	Tgm2	56083	1,07	down
6041281	7232534	1454140	transglutaminase 3, E polypeptide	Tgm3	366189	2,10	down
6471779	7232534	1454134	transglutaminase 3, E polypeptide	Tgm3	366189	1,34	down
6307694	7232534	1454131	transglutaminase 3, E polypeptide	Tgm3	366189	1,33	up
5865455	7232534	1454137	transglutaminase 3, E polypeptide	Tgm3	366189	1,32	down
6547555	7232534	1454132	transglutaminase 3, E polypeptide	Tgm3	366189	1,20	down
5847301	7232534	1454138	transglutaminase 3, E polypeptide	Tgm3	366189	1,19	down
6363019	7232534	1454133	transglutaminase 3, E polypeptide	Tgm3	366189	1,18	up
6340730	7232534	1454129	transglutaminase 3, E polypeptide	Tgm3	366189	1,12	up
6484283	7232534	1454140	transglutaminase 3, E polypeptide	Tgm3	366189	1,06	up
5704308	7232534	1454127	transglutaminase 3, E polypeptide	Tgm3	366189	1,04	up
6049239	7232534	1454139	transglutaminase 3, E polypeptide	Tgm3	366189	1,04	up
6425206	7232534	1454134	transglutaminase 3, E polypeptide	Tgm3	366189	1,03	down
6560540	7232534	1454136	transglutaminase 3, E polypeptide	Tgm3	366189	1,00	up
6080533	7232534	1454135	transglutaminase 3, E polypeptide	Tgm3	366189	1,00	up
5618433	7232534	1454130	transglutaminase 3, E polypeptide	Tgm3	366189	1,00	up
6224660	7271760	1552030	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	2,36	up
5641651	7271760	1552039	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	2,16	down
6142153	7271760	1552044	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,79	down
6309115	7271760	1552032	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,65	up
6031322	7271760	1552040	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,55	down
6108951	7271760	1552042	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,55	up
6186134	7271760	1552040	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,55	up
5822383	7271760	1552037	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,46	down
6025220	7271760	1552054	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,44	up
5805217	7271760	1552053	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,37	up
6079450	7271760	1552056	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,37	up
6501847	7271760	1552056	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,33	down
5759370	7271760	1552034	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,31	down
6426082	7271760	1552036	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,28	down
6308300	7271760	1552036	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,27	up
5788086	7271760	1552048	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,27	up
6711854	7271760	1552043	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,26	up
6404689	7271760	1552052	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,26	down
6318124	7271760	1552035	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,26	up
6051695	7271760	1552031	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,25	down
6025887	7271760	1552047	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,18	up
5807836	7271760	1552046	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,17	up
6598816	7271760	1552051	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,17	down
6707152	7271760	1552038	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,16	down
6384457	7271760	1552045	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,10	up
6383862	7271760	1552048	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,09	down
6605349	7271760	1552049	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,09	down
5658255	7271760	1552041	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,08	down
6436420	7271760	1552050	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,06	down
6607635	7271760	1552033	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,06	up
6104936	7271760	1552055	transient receptor potential cation channel, subfamily A, member 1	Trpa1	312896	1,00	down
6622118	7332774	1702141	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	2,03	down
6191263	7332774	1702147	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,45	up
6383962	7332774	1702149	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,33	down

6522346	7332774	1702142	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,27	up
5721298	7332774	1702152	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,26	up
5696558	7332774	1702144	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,22	down
6726535	7332774	1702143	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,19	down
6144320	7332774	1702145	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,16	up
5703960	7332774	1702148	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,13	up
5707921	7332774	1702146	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,10	down
6641859	7332774	1702151	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,06	up
5957088	7332774	1702153	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,01	up
5753831	7332774	1702150	transient receptor potential cation channel, subfamily C, member 6	Trpc6	89823	1,00	down
6321669	7217594	1417025	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	2,41	down
6163241	7217594	1417044	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	2,24	down
5952423	7217594	1417035	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,59	up
6006852	7217594	1417022	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,54	up
6305254	7217594	1417036	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,53	down
5681561	7217594	1417013	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,52	up
5802246	7217594	1417015	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,46	down
5921179	7217594	1417020	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,44	up
6062512	7217594	1417019	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,34	up
6039863	7217594	1417017	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,30	down
6287047	7217594	1417032	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,29	up
6256079	7217594	1417040	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,28	down
5882988	7217594	1417043	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,27	up
6154811	7217594	1417023	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,26	down
5832945	7217594	1417018	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,24	up
5776448	7217594	1417016	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,22	up
5687583	7217594	1417037	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,18	up
6333232	7217594	1417021	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,15	down
6065250	7217594	1417026	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,13	up
6102884	7217594	1417041	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,11	down
6424785	7217594	1417039	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,10	down
6389351	7217594	1417029	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,07	up
6582129	7217594	1417030	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,07	down
6209128	7217594	1417027	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,06	up
6172665	7217594	1417031	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,06	down
5872922	7217594	1417034	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,05	up
6179093	7217594	1417038	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,04	up
6616507	7217594	1417033	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,02	down
6671717	7217594	1417024	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,01	down
6191146	7217594	1417042	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,01	down
6622950	7217594	1417044	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,01	up
6101313	7217594	1417028	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,01	up
6382703	7217594	1417014	transient receptor potential cation channel, subfamily M, member 2	Trpm2	294329	1,00	down
5804894	7050943	1011672	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	2,34	up
5740401	7050943	1011673	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,51	down
6322837	7050943	1011671	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,48	up
6660605	7050943	1011667	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,47	up
6418442	7050943	1011666	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,44	up
5797641	7050943	1011665	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,26	down
6516521	7050943	1011668	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,25	up
6141163	7050943	1011665	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,16	up
5746061	7050943	1011668	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,08	down
6322074	7050943	1011669	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,06	up
6182238	7050943	1011670	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,01	up
6686433	7050943	1011664	transient receptor potential cation channel, subfamily M, member 4	Trpm4	171143	1,00	down
6596634	7378602	1817714	transketolase-like 1	Tktl1	689374	2,03	down
6465192	7378602	1817715	transketolase-like 1	Tktl1	689374	1,69	up

5827462	7378602	1817722	transketolase-like 1	Tkt1l	689374	1,44	up
6123548	7378602	1817712	transketolase-like 1	Tkt1l	689374	1,27	up
5717439	7378602	1817713	transketolase-like 1	Tkt1l	689374	1,22	up
6006031	7378602	1817721	transketolase-like 1	Tkt1l	689374	1,20	up
6129939	7378602	1817711	transketolase-like 1	Tkt1l	689374	1,20	up
6103320	7378602	1817709	transketolase-like 1	Tkt1l	689374	1,10	up
6635195	7378602	1817718	transketolase-like 1	Tkt1l	689374	1,05	down
5830917	7378602	1817722	transketolase-like 1	Tkt1l	689374	1,04	down
5773223	7378602	1817720	transketolase-like 1	Tkt1l	689374	1,04	up
5972891	7378602	1817708	transketolase-like 1	Tkt1l	689374	1,03	down
6121108	7378602	1817717	transketolase-like 1	Tkt1l	689374	1,02	up
6346147	7378602	1817710	transketolase-like 1	Tkt1l	689374	1,01	up
6304538	7378602	1817722	transketolase-like 1	Tkt1l	689374	1,01	up
6476553	7378602	1817719	transketolase-like 1	Tkt1l	689374	1,01	up
6015609	7111442	1155805	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	2,52	up
5903292	7111442	1155804	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,80	down
6687994	7111442	1155803	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,60	down
5869243	7111442	1155801	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,29	down
5802080	7111442	1155806	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,13	up
6739399	7111442	1155802	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,12	up
6689217	7111442	1155804	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,11	down
6505130	7111442	1155800	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,07	up
6396053	7111442	1155803	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,06	up
6121741	7111442	1155804	translocase of inner mitochondrial membrane 17 homolog A (yeast)	Timm17a	54311	1,05	up
6247095	7247672	1491751	translocase of outer mitochondrial membrane 34	Tomm34	311621	2,72	up
6492722	7247672	1491753	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,55	down
6116580	7247672	1491752	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,53	down
6663791	7247672	1491755	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,18	up
6549049	7247672	1491754	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,17	up
6455992	7247672	1491750	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,10	up
6622128	7247672	1491750	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,10	down
6512816	7247672	1491756	translocase of outer mitochondrial membrane 34	Tomm34	311621	1,07	up
6577545	7113985	1162238	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,73	down
5699533	7113985	1162233	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,57	down
6681108	7113985	1162236	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,35	down
6258354	7113985	1162234	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,30	down
6362172	7113985	1162239	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,24	up
6325333	7113985	1162237	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,18	down
6513473	7113985	1162232	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,05	down
5923297	7113985	1162235	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,03	up
6404218	7113985	1162240	translocase of outer mitochondrial membrane 40 homolog B (yeast)	Tomm40b	304971	1,01	up
6698420	7194285	1361471	transmembrane 4 L six family member 4	Tm4sf4	116467	2,92	up
6191950	7194285	1361468	transmembrane 4 L six family member 4	Tm4sf4	116467	1,28	up
5728771	7194285	1361467	transmembrane 4 L six family member 4	Tm4sf4	116467	1,26	down
6674707	7194285	1361469	transmembrane 4 L six family member 4	Tm4sf4	116467	1,11	down
6337432	7194285	1361471	transmembrane 4 L six family member 4	Tm4sf4	116467	1,08	down
5888323	7194285	1361470	transmembrane 4 L six family member 4	Tm4sf4	116467	1,04	down
6017996	7234040	1458482	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,51	up
6116582	7234040	1458505	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,41	down
6230682	7234040	1458485	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,39	up
6524370	7234040	1458482	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,36	up
6528496	7234040	1458500	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,18	down
6094262	7234040	1458488	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,16	down
5952302	7234040	1458485	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,16	down
5783589	7234040	1458491	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,15	up
6450833	7234040	1458493	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,15	up
6471703	7234040	1458487	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,14	up

6002380	7234040	1458489	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,13	down
6191963	7234040	1458495	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,13	down
6730344	7234040	1458504	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,10	down
6543748	7234040	1458503	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,08	up
5991743	7234040	1458492	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,07	up
6663249	7234040	1458500	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,07	down
6505971	7234040	1458502	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,06	down
5726734	7234040	1458505	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,05	down
6170597	7234040	1458494	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,04	up
5799415	7234040	1458496	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,03	down
6609863	7234040	1458486	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,03	up
6143653	7234040	1458497	transmembrane 9 superfamily protein member 4	Tm9sf4	296279	1,01	down
6075938	7268694	1544224	transmembrane and coiled-coil domain family 1	Tmcc1	312654	1,15	down
5894791	7268694	1544223	transmembrane and coiled-coil domain family 1	Tmcc1	312654	1,12	down
6545476	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,65	up
6505845	7313905	1656838	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,48	down
6049931	7313905	1656858	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,41	up
5947085	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,33	down
5808546	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,27	up
6326752	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,19	up
6368808	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,14	up
5992204	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,09	up
6194461	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,04	down
5787350	7313905	1656856	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,03	up
5940057	7313905	1656861	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,03	down
6168795	7313905	1656858	transmembrane and coiled-coil domain family 3	Tmcc3	314751	1,00	up
5883350	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	3,25	up
6287672	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	2,71	up
5932562	7153571	1259031	transmembrane and coiled-coil domains 3	Tmco3	306607	1,48	down
5801022	7153571	1259034	transmembrane and coiled-coil domains 3	Tmco3	306607	1,42	down
6673540	7153571	1259030	transmembrane and coiled-coil domains 3	Tmco3	306607	1,41	down
5999265	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	1,38	up
5823327	7153571	1259028	transmembrane and coiled-coil domains 3	Tmco3	306607	1,36	down
5683337	7153571	1259037	transmembrane and coiled-coil domains 3	Tmco3	306607	1,32	down
5763550	7153571	1259037	transmembrane and coiled-coil domains 3	Tmco3	306607	1,32	down
6559768	7153571	1259027	transmembrane and coiled-coil domains 3	Tmco3	306607	1,23	down
6143549	7153571	1259021	transmembrane and coiled-coil domains 3	Tmco3	306607	1,22	up
5666598	7153571	1259019	transmembrane and coiled-coil domains 3	Tmco3	306607	1,18	up
6257704	7153571	1259037	transmembrane and coiled-coil domains 3	Tmco3	306607	1,14	down
6365707	7153571	1259035	transmembrane and coiled-coil domains 3	Tmco3	306607	1,13	down
6196177	7153571	1259023	transmembrane and coiled-coil domains 3	Tmco3	306607	1,11	down
6216350	7153571	1259029	transmembrane and coiled-coil domains 3	Tmco3	306607	1,10	up
6278880	7153571	1259021	transmembrane and coiled-coil domains 3	Tmco3	306607	1,09	up
6433534	7153571	1259034	transmembrane and coiled-coil domains 3	Tmco3	306607	1,04	down
6395858	7153571	1259036	transmembrane and coiled-coil domains 3	Tmco3	306607	1,03	up
6371474	7280959	1575052	transmembrane and coiled-coil domains 4	Tmco4	500573	3,00	up
5628908	7280959	1575044	transmembrane and coiled-coil domains 4	Tmco4	500573	2,36	up
6433548	7280959	1575047	transmembrane and coiled-coil domains 4	Tmco4	500573	1,96	up
5795031	7280959	1575048	transmembrane and coiled-coil domains 4	Tmco4	500573	1,50	down
5979771	7280959	1575045	transmembrane and coiled-coil domains 4	Tmco4	500573	1,37	up
6114856	7280959	1575042	transmembrane and coiled-coil domains 4	Tmco4	500573	1,28	down
6341887	7280959	1575043	transmembrane and coiled-coil domains 4	Tmco4	500573	1,24	up
5951754	7280959	1575051	transmembrane and coiled-coil domains 4	Tmco4	500573	1,24	down
5620667	7280959	1575049	transmembrane and coiled-coil domains 4	Tmco4	500573	1,18	up
6636900	7280959	1575052	transmembrane and coiled-coil domains 4	Tmco4	500573	1,13	up
5820917	7280959	1575053	transmembrane and coiled-coil domains 4	Tmco4	500573	1,11	up
6034469	7280959	1575050	transmembrane and coiled-coil domains 4	Tmco4	500573	1,09	down

6153262	7280959	1575040	transmembrane and coiled-coil domains 4	Tmco4	500573	1,02	down
6546798	7142416	1231819	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	3,46	up
5925113	7142416	1231792	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	2,98	up
6062459	7142416	1231795	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	2,24	down
6563175	7142416	1231798	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,84	down
6041586	7142416	1231813	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,60	down
6175573	7142416	1231794	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,59	down
5928275	7142416	1231811	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,52	down
5883320	7142416	1231802	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,51	down
6199014	7142416	1231813	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,48	up
6122791	7142416	1231797	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,47	down
6561099	7142416	1231796	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,45	down
5983145	7142416	1231809	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,40	down
6102273	7142416	1231792	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,38	down
6555028	7142416	1231790	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,37	down
6287648	7142416	1231786	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,31	down
6052180	7142416	1231786	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,26	down
6478393	7142416	1231791	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,26	down
6045861	7142416	1231793	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,22	up
5652886	7142416	1231786	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,14	down
5626832	7142416	1231810	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,14	down
5905198	7142416	1231800	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,11	down
6331004	7142416	1231787	transmembrane and tetratricopeptide repeat containing 4	Tmtc4	290501	1,04	up
6589439	7363718	1778530	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	4,28	down
6408046	7363718	1778530	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	3,36	down
6057698	7363718	1778529	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	3,03	down
5811030	7363718	1778519	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	2,30	down
5852888	7363718	1778528	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,59	down
5986376	7363718	1778520	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,55	down
6214631	7363718	1778524	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,37	up
6028721	7363718	1778522	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,26	up
5825247	7363718	1778527	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,22	up
5639650	7363718	1778525	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,16	up
6405140	7363718	1778526	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,15	up
6559553	7363718	1778523	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,07	up
6672638	7363718	1778521	transmembrane BAX inhibitor motif containing 1	Tmbim1	316516	1,01	up
5895043	7315441	1660626	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	2,28	down
5855357	7315441	1660633	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,91	down
5748621	7315441	1660631	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,38	up
6209102	7315441	1660629	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,30	down
6577900	7315441	1660630	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,29	up
5854595	7315441	1660632	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,27	up
6419524	7315441	1660627	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,24	up
6570420	7315441	1660628	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,22	up
6134528	7315441	1660626	transmembrane BAX inhibitor motif containing 4	Tmbim4	362884	1,11	down
6262150	7175355	1313241	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,66	down
5991993	7175355	1313240	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,55	down
6614908	7175355	1313240	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,45	down
6522373	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,31	down
5960996	7175355	1313243	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,29	down
6377215	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,21	down
5622465	7175355	1313243	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,19	down
6390336	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,18	down
6722274	7175355	1313244	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,12	down
6557265	7175355	1313239	transmembrane emp24 protein transport domain containing 7	Tmed7	252889	1,05	down
5806680	7117416	1170685	transmembrane protease, serine 11b	Tmprss11b	365265	3,65	down
6303852	7117416	1170686	transmembrane protease, serine 11b	Tmprss11b	365265	1,25	down

6236495	7117416	1170691	transmembrane protease, serine 11b	Tmprss11b	365265	1,21	up
6452079	7117416	1170693	transmembrane protease, serine 11b	Tmprss11b	365265	1,19	up
6473813	7117416	1170690	transmembrane protease, serine 11b	Tmprss11b	365265	1,18	down
5665100	7117416	1170692	transmembrane protease, serine 11b	Tmprss11b	365265	1,08	down
6289946	7117416	1170689	transmembrane protease, serine 11b	Tmprss11b	365265	1,08	down
6252523	7117416	1170687	transmembrane protease, serine 11b	Tmprss11b	365265	1,02	down
6527641	7117416	1170694	transmembrane protease, serine 11b	Tmprss11b	365265	1,01	up
6146375	7117416	1170688	transmembrane protease, serine 11b	Tmprss11b	365265	1,00	up
5761645	7092195	1108365	transmembrane protease, serine 2	Tmprss2	156435	2,61	up
5848329	7092195	1108359	transmembrane protease, serine 2	Tmprss2	156435	1,32	down
5732243	7092195	1108353	transmembrane protease, serine 2	Tmprss2	156435	1,28	down
5879067	7092195	1108357	transmembrane protease, serine 2	Tmprss2	156435	1,27	up
6671181	7092195	1108353	transmembrane protease, serine 2	Tmprss2	156435	1,26	up
6398895	7092195	1108353	transmembrane protease, serine 2	Tmprss2	156435	1,24	down
5914291	7092195	1108364	transmembrane protease, serine 2	Tmprss2	156435	1,22	up
6507385	7092195	1108362	transmembrane protease, serine 2	Tmprss2	156435	1,22	up
6113535	7092195	1108356	transmembrane protease, serine 2	Tmprss2	156435	1,22	down
6336065	7092195	1108361	transmembrane protease, serine 2	Tmprss2	156435	1,19	down
6538033	7092195	1108354	transmembrane protease, serine 2	Tmprss2	156435	1,12	up
6591818	7092195	1108358	transmembrane protease, serine 2	Tmprss2	156435	1,09	down
5760181	7092195	1108352	transmembrane protease, serine 2	Tmprss2	156435	1,08	up
6164656	7092195	1108365	transmembrane protease, serine 2	Tmprss2	156435	1,06	down
5682961	7092195	1108363	transmembrane protease, serine 2	Tmprss2	156435	1,03	up
6386978	7092195	1108358	transmembrane protease, serine 2	Tmprss2	156435	1,03	down
5650871	7092195	1108355	transmembrane protease, serine 2	Tmprss2	156435	1,01	up
6316974	7092195	1108360	transmembrane protease, serine 2	Tmprss2	156435	1,01	down
6322683	7221420	1426260	transmembrane protease, serine 3	Tmprss3	309665	3,26	up
6288494	7221420	1426255	transmembrane protease, serine 3	Tmprss3	309665	1,71	up
6670543	7221420	1426248	transmembrane protease, serine 3	Tmprss3	309665	1,69	down
5767198	7221420	1426254	transmembrane protease, serine 3	Tmprss3	309665	1,53	down
5812230	7221420	1426259	transmembrane protease, serine 3	Tmprss3	309665	1,52	up
6277946	7221420	1426244	transmembrane protease, serine 3	Tmprss3	309665	1,47	down
6287384	7221420	1426256	transmembrane protease, serine 3	Tmprss3	309665	1,39	up
5978820	7221420	1426250	transmembrane protease, serine 3	Tmprss3	309665	1,36	down
6112991	7221420	1426243	transmembrane protease, serine 3	Tmprss3	309665	1,22	up
5799582	7221420	1426252	transmembrane protease, serine 3	Tmprss3	309665	1,22	up
6038279	7221420	1426245	transmembrane protease, serine 3	Tmprss3	309665	1,17	down
6128890	7221420	1426258	transmembrane protease, serine 3	Tmprss3	309665	1,11	down
6541661	7221420	1426246	transmembrane protease, serine 3	Tmprss3	309665	1,11	down
5879590	7221420	1426245	transmembrane protease, serine 3	Tmprss3	309665	1,11	down
6382187	7221420	1426261	transmembrane protease, serine 3	Tmprss3	309665	1,08	up
6242902	7221420	1426253	transmembrane protease, serine 3	Tmprss3	309665	1,05	down
6374453	7335930	1709339	transmembrane protease, serine 5	Tmprss5	266681	2,47	down
6102984	7335930	1709338	transmembrane protease, serine 5	Tmprss5	266681	2,03	up
5831132	7335930	1709332	transmembrane protease, serine 5	Tmprss5	266681	1,88	up
6544369	7335930	1709341	transmembrane protease, serine 5	Tmprss5	266681	1,76	down
6683421	7335930	1709336	transmembrane protease, serine 5	Tmprss5	266681	1,18	up
6540576	7335930	1709342	transmembrane protease, serine 5	Tmprss5	266681	1,16	up
6546046	7335930	1709340	transmembrane protease, serine 5	Tmprss5	266681	1,14	down
5938017	7335930	1709333	transmembrane protease, serine 5	Tmprss5	266681	1,10	down
5786403	7335930	1709335	transmembrane protease, serine 5	Tmprss5	266681	1,08	up
6372603	7335930	1709337	transmembrane protease, serine 5	Tmprss5	266681	1,05	up
6176712	7335930	1709334	transmembrane protease, serine 5	Tmprss5	266681	1,04	up
5642292	7335930	1709343	transmembrane protease, serine 5	Tmprss5	266681	1,03	down
6533958	7335930	1709332	transmembrane protease, serine 5	Tmprss5	266681	1,03	up
5817364	7335930	1709331	transmembrane protease, serine 5	Tmprss5	266681	1,02	up
5916754	7072336	1061670	transmembrane protein 106A	Tmem106a	287722	2,40	down

5799871	7072336	1061675	transmembrane protein 106A	Tmem106a	287722	1,74	up
5762339	7072336	1061670	transmembrane protein 106A	Tmem106a	287722	1,60	down
5872983	7072336	1061676	transmembrane protein 106A	Tmem106a	287722	1,55	up
5956341	7072336	1061672	transmembrane protein 106A	Tmem106a	287722	1,47	up
6529970	7072336	1061677	transmembrane protein 106A	Tmem106a	287722	1,25	up
6027341	7072336	1061671	transmembrane protein 106A	Tmem106a	287722	1,20	down
6722501	7072336	1061673	transmembrane protein 106A	Tmem106a	287722	1,19	up
6633924	7072336	1061678	transmembrane protein 106A	Tmem106a	287722	1,17	down
5859839	7072336	1061674	transmembrane protein 106A	Tmem106a	287722	1,05	down
5742281	7072336	1061678	transmembrane protein 106A	Tmem106a	287722	1,04	up
6568073	7262292	1528381	transmembrane protein 106B	Tmem106b	312132	2,17	down
5680453	7262292	1528387	transmembrane protein 106B	Tmem106b	312132	1,22	down
5678664	7262292	1528386	transmembrane protein 106B	Tmem106b	312132	1,18	up
6573391	7262292	1528383	transmembrane protein 106B	Tmem106b	312132	1,15	up
6736593	7262292	1528389	transmembrane protein 106B	Tmem106b	312132	1,10	up
6267573	7262292	1528385	transmembrane protein 106B	Tmem106b	312132	1,08	up
5644198	7262292	1528388	transmembrane protein 106B	Tmem106b	312132	1,07	down
5650681	7262292	1528389	transmembrane protein 106B	Tmem106b	312132	1,06	up
5626036	7262292	1528382	transmembrane protein 106B	Tmem106b	312132	1,04	down
5953776	7262292	1528384	transmembrane protein 106B	Tmem106b	312132	1,03	up
6280208	7143155	1233934	transmembrane protein 110	Tmem110	361110	2,60	up
5829576	7143155	1233932	transmembrane protein 110	Tmem110	361110	1,64	up
5871960	7143155	1233929	transmembrane protein 110	Tmem110	361110	1,31	up
5811700	7143155	1233933	transmembrane protein 110	Tmem110	361110	1,31	down
6697667	7143155	1233931	transmembrane protein 110	Tmem110	361110	1,26	up
6702748	7143155	1233930	transmembrane protein 110	Tmem110	361110	1,17	up
6276561	7143155	1233927	transmembrane protein 110	Tmem110	361110	1,15	down
5685880	7143155	1233928	transmembrane protein 110	Tmem110	361110	1,13	down
5896973	7143155	1233927	transmembrane protein 110	Tmem110	361110	1,12	down
5872806	7143155	1233930	transmembrane protein 110	Tmem110	361110	1,05	down
6162977	7102369	1133430	transmembrane protein 116	Tmem116	690442	2,14	up
5717855	7102369	1133429	transmembrane protein 116	Tmem116	690442	1,84	down
6418283	7102369	1133421	transmembrane protein 116	Tmem116	690442	1,36	up
6363197	7102369	1133416	transmembrane protein 116	Tmem116	690442	1,32	up
5627755	7102369	1133416	transmembrane protein 116	Tmem116	690442	1,25	up
6220305	7102369	1133418	transmembrane protein 116	Tmem116	690442	1,12	down
6460621	7102369	1133423	transmembrane protein 116	Tmem116	690442	1,12	up
6600870	7102369	1133420	transmembrane protein 116	Tmem116	690442	1,02	down
6559258	7102369	1133432	transmembrane protein 116	Tmem116	690442	1,02	down
6489539	7102369	1133417	transmembrane protein 116	Tmem116	690442	1,01	down
6643809	7102369	1133425	transmembrane protein 116	Tmem116	690442	1,01	up
6614257	7097504	1121003	transmembrane protein 120A	Tmem120a	288591	2,70	down
6081310	7097504	1120991	transmembrane protein 120A	Tmem120a	288591	2,03	down
6550849	7097504	1120991	transmembrane protein 120A	Tmem120a	288591	1,63	down
6138697	7097504	1121000	transmembrane protein 120A	Tmem120a	288591	1,36	up
5942899	7097504	1120998	transmembrane protein 120A	Tmem120a	288591	1,36	up
6236906	7097504	1120996	transmembrane protein 120A	Tmem120a	288591	1,29	up
6316693	7097504	1120999	transmembrane protein 120A	Tmem120a	288591	1,22	up
6583328	7097504	1120993	transmembrane protein 120A	Tmem120a	288591	1,19	up
6074915	7097504	1120992	transmembrane protein 120A	Tmem120a	288591	1,16	up
6466198	7097504	1120995	transmembrane protein 120A	Tmem120a	288591	1,14	up
6163817	7097504	1121001	transmembrane protein 120A	Tmem120a	288591	1,08	up
5694924	7097504	1120994	transmembrane protein 120A	Tmem120a	288591	1,07	up
5630961	7097504	1120991	transmembrane protein 120A	Tmem120a	288591	1,07	down
6009306	7097504	1120991	transmembrane protein 120A	Tmem120a	288591	1,07	up
6292897	7097504	1120997	transmembrane protein 120A	Tmem120a	288591	1,07	down
5924151	7097504	1121002	transmembrane protein 120A	Tmem120a	288591	1,04	down

5918428	7059702	1030772	transmembrane protein 151A	Tmem151a	309158	4,11	up
5912969	7059702	1030773	transmembrane protein 151A	Tmem151a	309158	2,52	up
5793794	7059702	1030772	transmembrane protein 151A	Tmem151a	309158	1,02	down
5933316	7195673	1364854	transmembrane protein 154	Tmem154	361972	2,19	up
6627011	7195673	1364851	transmembrane protein 154	Tmem154	361972	1,89	up
6381317	7195673	1364847	transmembrane protein 154	Tmem154	361972	1,18	down
5900078	7195673	1364853	transmembrane protein 154	Tmem154	361972	1,09	down
6676053	7195673	1364852	transmembrane protein 154	Tmem154	361972	1,09	down
6316156	7195673	1364843	transmembrane protein 154	Tmem154	361972	1,05	up
6523202	7195673	1364843	transmembrane protein 154	Tmem154	361972	1,05	down
6570680	7195673	1364847	transmembrane protein 154	Tmem154	361972	1,00	down
6093655	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,37	up
6170173	7380452	1821680	transmembrane protein 164	Tmem164	367763	1,26	up
6473244	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,19	up
6470055	7380452	1821685	transmembrane protein 164	Tmem164	367763	1,17	down
6528362	7380452	1821702	transmembrane protein 164	Tmem164	367763	1,16	down
6450885	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,16	up
5870128	7380452	1821679	transmembrane protein 164	Tmem164	367763	1,08	up
5885811	7380452	1821692	transmembrane protein 164	Tmem164	367763	1,03	down
6595498	7380452	1821688	transmembrane protein 164	Tmem164	367763	1,02	down
6736737	7124803	1188796	transmembrane protein 165	Tmem165	364137	1,49	up
6201646	7124803	1188793	transmembrane protein 165	Tmem165	364137	1,31	down
5807808	7124803	1188794	transmembrane protein 165	Tmem165	364137	1,15	up
6209241	7124803	1188795	transmembrane protein 165	Tmem165	364137	1,14	down
6548830	7124803	1188790	transmembrane protein 165	Tmem165	364137	1,11	up
6588596	7124803	1188796	transmembrane protein 165	Tmem165	364137	1,07	up
6142198	7124803	1188791	transmembrane protein 165	Tmem165	364137	1,01	up
6717487	7262334	1528465	transmembrane protein 168	Tmem168	312135	2,37	down
5680945	7262334	1528464	transmembrane protein 168	Tmem168	312135	1,65	up
6485461	7262334	1528462	transmembrane protein 168	Tmem168	312135	1,49	up
6312980	7262334	1528462	transmembrane protein 168	Tmem168	312135	1,31	down
6741142	7262334	1528460	transmembrane protein 168	Tmem168	312135	1,12	up
6417478	7262334	1528464	transmembrane protein 168	Tmem168	312135	1,12	up
6131739	7262334	1528461	transmembrane protein 168	Tmem168	312135	1,07	down
6479875	7262334	1528464	transmembrane protein 168	Tmem168	312135	1,03	up
6516568	7262334	1528463	transmembrane protein 168	Tmem168	312135	1,03	up
6043412	7121718	1181480	transmembrane protein 17	Tmem17	360985	2,13	up
6304926	7121718	1181476	transmembrane protein 17	Tmem17	360985	1,92	down
6228115	7121718	1181476	transmembrane protein 17	Tmem17	360985	1,81	down
6015865	7121718	1181477	transmembrane protein 17	Tmem17	360985	1,42	down
6606419	7121718	1181481	transmembrane protein 17	Tmem17	360985	1,14	up
5756095	7121718	1181479	transmembrane protein 17	Tmem17	360985	1,13	up
6126626	7121718	1181478	transmembrane protein 17	Tmem17	360985	1,05	down
6601327	7060195	1031959	transmembrane protein 179B	Tmem179b	690263	1,48	down
5978889	7060195	1031960	transmembrane protein 179B	Tmem179b	690263	1,31	down
5672288	7060195	1031959	transmembrane protein 179B	Tmem179b	690263	1,24	down
6381449	7060195	1031961	transmembrane protein 179B	Tmem179b	690263	1,08	up
5951412	7180346	1325764	transmembrane protein 184C	Tmem184c	291946	2,40	up
6346781	7180346	1325763	transmembrane protein 184C	Tmem184c	291946	2,32	up
6395482	7180346	1325772	transmembrane protein 184C	Tmem184c	291946	2,19	down
6308211	7180346	1325774	transmembrane protein 184C	Tmem184c	291946	1,59	up
6177014	7180346	1325766	transmembrane protein 184C	Tmem184c	291946	1,50	down
6428400	7180346	1325764	transmembrane protein 184C	Tmem184c	291946	1,48	up
6576918	7180346	1325763	transmembrane protein 184C	Tmem184c	291946	1,44	up
6130241	7180346	1325774	transmembrane protein 184C	Tmem184c	291946	1,42	up
6119764	7180346	1325767	transmembrane protein 184C	Tmem184c	291946	1,34	up
6619778	7180346	1325774	transmembrane protein 184C	Tmem184c	291946	1,33	down

5757239	7180346	1325765	transmembrane protein 184C	Tmem184c	291946	1,21	down
5960675	7180346	1325773	transmembrane protein 184C	Tmem184c	291946	1,19	down
5687184	7180346	1325770	transmembrane protein 184C	Tmem184c	291946	1,19	down
6354128	7180346	1325769	transmembrane protein 184C	Tmem184c	291946	1,13	up
5719484	7180346	1325768	transmembrane protein 184C	Tmem184c	291946	1,12	down
6617247	7180346	1325771	transmembrane protein 184C	Tmem184c	291946	1,03	down
6548922	7180346	1325765	transmembrane protein 184C	Tmem184c	291946	1,02	down
5944306	7263238	1530591	transmembrane protein 209	Tmem209	312200	2,04	down
6021617	7263238	1530583	transmembrane protein 209	Tmem209	312200	1,62	down
5861840	7263238	1530587	transmembrane protein 209	Tmem209	312200	1,45	up
5838600	7263238	1530582	transmembrane protein 209	Tmem209	312200	1,42	up
5803745	7263238	1530585	transmembrane protein 209	Tmem209	312200	1,41	up
6378988	7263238	1530580	transmembrane protein 209	Tmem209	312200	1,38	down
5784225	7263238	1530578	transmembrane protein 209	Tmem209	312200	1,30	up
6496219	7263238	1530579	transmembrane protein 209	Tmem209	312200	1,25	up
5785006	7263238	1530587	transmembrane protein 209	Tmem209	312200	1,25	down
5649768	7263238	1530578	transmembrane protein 209	Tmem209	312200	1,24	down
5763701	7263238	1530584	transmembrane protein 209	Tmem209	312200	1,23	up
5621524	7263238	1530586	transmembrane protein 209	Tmem209	312200	1,20	down
6511456	7263238	1530590	transmembrane protein 209	Tmem209	312200	1,19	up
6088318	7263238	1530588	transmembrane protein 209	Tmem209	312200	1,05	up
6332517	7263238	1530582	transmembrane protein 209	Tmem209	312200	1,03	down
6124201	7263238	1530589	transmembrane protein 209	Tmem209	312200	1,03	down
6140380	7263238	1530588	transmembrane protein 209	Tmem209	312200	1,03	up
6655675	7263238	1530581	transmembrane protein 209	Tmem209	312200	1,00	up
6402086	7344836	1732409	transmembrane protein 25	Tmem25	689172	2,02	down
5974178	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,79	down
6026321	7344836	1732407	transmembrane protein 25	Tmem25	689172	1,51	down
6303689	7344836	1732408	transmembrane protein 25	Tmem25	689172	1,50	down
6194705	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,43	down
6220459	7344836	1732408	transmembrane protein 25	Tmem25	689172	1,33	down
6261432	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,32	down
5753917	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,15	up
6262456	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,13	up
5800685	7344836	1732409	transmembrane protein 25	Tmem25	689172	1,09	up
5641248	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,07	down
6327437	7344836	1732411	transmembrane protein 25	Tmem25	689172	1,02	down
6083624	7376962	1813712	transmembrane protein 35	Tmem35	308134	2,52	down
5638197	7376962	1813711	transmembrane protein 35	Tmem35	308134	2,10	down
6308356	7376962	1813710	transmembrane protein 35	Tmem35	308134	1,53	up
6323937	7376962	1813710	transmembrane protein 35	Tmem35	308134	1,37	up
5818510	7376962	1813710	transmembrane protein 35	Tmem35	308134	1,16	up
6393900	7376962	1813710	transmembrane protein 35	Tmem35	308134	1,10	up
6700144	7376962	1813710	transmembrane protein 35	Tmem35	308134	1,06	up
6346161	7149498	1249779	transmembrane protein 38a	Tmem38a	306327	1,30	down
5812870	7149498	1249783	transmembrane protein 38a	Tmem38a	306327	1,24	up
6081704	7149498	1249776	transmembrane protein 38a	Tmem38a	306327	1,22	up
6701647	7149498	1249781	transmembrane protein 38a	Tmem38a	306327	1,15	down
6194257	7149498	1249777	transmembrane protein 38a	Tmem38a	306327	1,09	down
5925361	7149498	1249780	transmembrane protein 38a	Tmem38a	306327	1,01	down
5780973	7149498	1249776	transmembrane protein 38a	Tmem38a	306327	1,00	up
5693569	7278112	1568356	transmembrane protein 48	Tmem48	362557	2,17	up
5642935	7278112	1568355	transmembrane protein 48	Tmem48	362557	1,93	down
6107367	7278112	1568358	transmembrane protein 48	Tmem48	362557	1,70	up
6407304	7278112	1568355	transmembrane protein 48	Tmem48	362557	1,59	down
6254731	7278112	1568365	transmembrane protein 48	Tmem48	362557	1,58	up
5793073	7278112	1568355	transmembrane protein 48	Tmem48	362557	1,57	down

6292944	7278112	1568366	transmembrane protein 48	Tmem48	362557	1,50	down
6371937	7278112	1568357	transmembrane protein 48	Tmem48	362557	1,44	down
5819613	7278112	1568367	transmembrane protein 48	Tmem48	362557	1,30	up
5726233	7278112	1568362	transmembrane protein 48	Tmem48	362557	1,29	down
6121290	7278112	1568363	transmembrane protein 48	Tmem48	362557	1,26	down
6661414	7278112	1568361	transmembrane protein 48	Tmem48	362557	1,25	up
6612205	7278112	1568355	transmembrane protein 48	Tmem48	362557	1,24	down
6743406	7278112	1568368	transmembrane protein 48	Tmem48	362557	1,22	up
6437872	7278112	1568369	transmembrane protein 48	Tmem48	362557	1,22	down
6223493	7278112	1568359	transmembrane protein 48	Tmem48	362557	1,18	up
5894022	7278112	1568356	transmembrane protein 48	Tmem48	362557	1,17	up
5664932	7278112	1568360	transmembrane protein 48	Tmem48	362557	1,14	up
6439341	7278112	1568366	transmembrane protein 48	Tmem48	362557	1,13	down
6307344	7278112	1568355	transmembrane protein 48	Tmem48	362557	1,09	up
6689998	7278112	1568364	transmembrane protein 48	Tmem48	362557	1,06	down
6377571	7278112	1568370	transmembrane protein 48	Tmem48	362557	1,00	up
5949936	7231775	1452121	transmembrane protein 62	Tmem62	311350	2,07	down
6460052	7274964	1559837	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	4,10	up
5959106	7274964	1559841	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,56	up
6304105	7274964	1559839	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,46	down
6139351	7274964	1559838	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,41	down
6321554	7274964	1559842	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,40	up
5775743	7274964	1559840	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,27	down
5846842	7274964	1559835	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,09	down
6259438	7274964	1559844	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,06	down
5673071	7274964	1559843	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,06	up
6344758	7274964	1559836	transmembrane protein with EGF-like and two follistatin-like domains 1	Tmeff1	63845	1,02	up
6277959	7220923	1425058	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	3,14	down
6146251	7220923	1425058	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	2,03	down
6232105	7220923	1425068	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,92	up
6170893	7220923	1425059	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,33	down
5878895	7220923	1425067	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,32	down
5636449	7220923	1425065	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,31	up
6504909	7220923	1425062	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,25	up
6023947	7220923	1425060	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,19	up
6556769	7220923	1425066	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,10	up
6474899	7220923	1425063	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,10	up
5758490	7220923	1425064	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,05	up
6377398	7220923	1425061	transporter 1, ATP-binding cassette, sub-family B (MDR/TAP)	Tap1	24811	1,02	down
6352081	7220903	1425025	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	4,12	down
6608000	7220903	1425021	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	3,10	down
6102439	7220903	1425028	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,89	down
6021014	7220903	1425022	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,85	down
6644934	7220903	1425030	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,76	up
6249575	7220903	1425031	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,11	up
6112189	7220903	1425031	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	2,02	up
6022555	7220903	1425023	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,86	down
6591426	7220903	1425030	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,51	up
5847536	7220903	1425024	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,48	down
6432766	7220903	1425029	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,46	up
5794466	7220903	1425026	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,39	up
6147728	7220903	1425032	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,26	up
5713592	7220903	1425027	transporter 2, ATP-binding cassette, sub-family B (MDR/TAP)	Tap2	24812	1,01	up
5670221	7202837	1382283	transportin 1	Tnpo1	309126	1,52	down
6283754	7202837	1382298	transportin 1	Tnpo1	309126	1,23	down
5718050	7202837	1382290	transportin 1	Tnpo1	309126	1,21	down
6737449	7202837	1382300	transportin 1	Tnpo1	309126	1,17	up

6142729	7202837	1382299	transportin 1	Tnpo1	309126	1,14	up
6328338	7202837	1382282	transportin 1	Tnpo1	309126	1,14	down
5647429	7202837	1382284	transportin 1	Tnpo1	309126	1,14	down
6350814	7202837	1382292	transportin 1	Tnpo1	309126	1,11	up
6648508	7202837	1382289	transportin 1	Tnpo1	309126	1,11	up
6066520	7202837	1382286	transportin 1	Tnpo1	309126	1,10	up
6529591	7202837	1382281	transportin 1	Tnpo1	309126	1,09	down
6416715	7202837	1382302	transportin 1	Tnpo1	309126	1,08	down
6675505	7202837	1382285	transportin 1	Tnpo1	309126	1,08	down
5729156	7202837	1382281	transportin 1	Tnpo1	309126	1,07	down
6056519	7202837	1382294	transportin 1	Tnpo1	309126	1,07	down
6424462	7202837	1382293	transportin 1	Tnpo1	309126	1,07	up
6654252	7202837	1382301	transportin 1	Tnpo1	309126	1,06	down
6339860	7202837	1382303	transportin 1	Tnpo1	309126	1,06	up
6078234	7202837	1382304	transportin 1	Tnpo1	309126	1,05	up
6053708	7202837	1382296	transportin 1	Tnpo1	309126	1,03	up
6171501	7202837	1382291	transportin 1	Tnpo1	309126	1,01	down
6740969	7202837	1382297	transportin 1	Tnpo1	309126	1,01	up
5876668	7202837	1382298	transportin 1	Tnpo1	309126	1,01	up
6218392	7202837	1382295	transportin 1	Tnpo1	309126	1,00	down
6348167	7176235	1315253	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,66	down
6587262	7176235	1315257	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,45	up
6525907	7176235	1315238	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,27	up
6418756	7176235	1315244	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,08	up
6512429	7176235	1315243	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	2,07	up
6201904	7176235	1315238	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,68	up
6252055	7176235	1315253	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,56	down
5685752	7176235	1315251	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,56	down
5773376	7176235	1315263	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,51	up
5815718	7176235	1315261	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,46	up
6304421	7176235	1315253	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,44	up
6645856	7176235	1315237	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,44	down
6135866	7176235	1315240	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,43	down
5728989	7176235	1315234	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,41	down
6049442	7176235	1315251	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,38	down
6536355	7176235	1315255	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,33	down
6366110	7176235	1315235	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,30	down
5657146	7176235	1315234	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,28	down
6462545	7176235	1315246	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,27	down
5849156	7176235	1315259	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,27	up
5970612	7176235	1315247	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,21	down
6488217	7176235	1315249	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,21	up
5718546	7176235	1315265	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,17	up
6306068	7176235	1315245	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,16	down
6597871	7176235	1315240	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,14	up
5999875	7176235	1315239	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,10	up
5970434	7176235	1315248	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,09	down
6244212	7176235	1315237	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,05	down
6176320	7176235	1315234	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,04	up
6651982	7176235	1315250	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,03	up
6208537	7176235	1315258	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,01	down
5651864	7176235	1315254	Treacher Collins Franceschetti syndrome 1, homolog	Tcof1	291571	1,01	up
5782962	7221412	1426233	trefoil factor 2	Tff2	116592	2,13	down
6285472	7221412	1426231	trefoil factor 2	Tff2	116592	1,44	down
5838544	7221412	1426232	trefoil factor 2	Tff2	116592	1,35	up
6341305	7221412	1426233	trefoil factor 2	Tff2	116592	1,11	up
6132995	7221412	1426230	trefoil factor 2	Tff2	116592	1,04	down

6635767	7103017	1135171	trichoplein, keratin filament binding	Tchp	304547	2,65	down
5799836	7103017	1135173	trichoplein, keratin filament binding	Tchp	304547	2,12	down
6067260	7103017	1135157	trichoplein, keratin filament binding	Tchp	304547	1,93	down
5673283	7103017	1135160	trichoplein, keratin filament binding	Tchp	304547	1,80	down
6438881	7103017	1135172	trichoplein, keratin filament binding	Tchp	304547	1,59	down
5879172	7103017	1135168	trichoplein, keratin filament binding	Tchp	304547	1,56	up
6530598	7103017	1135171	trichoplein, keratin filament binding	Tchp	304547	1,52	up
6137166	7103017	1135167	trichoplein, keratin filament binding	Tchp	304547	1,43	down
6495651	7103017	1135170	trichoplein, keratin filament binding	Tchp	304547	1,36	down
6128432	7103017	1135157	trichoplein, keratin filament binding	Tchp	304547	1,29	down
6267022	7103017	1135164	trichoplein, keratin filament binding	Tchp	304547	1,27	up
6051128	7103017	1135159	trichoplein, keratin filament binding	Tchp	304547	1,16	down
5775080	7103017	1135162	trichoplein, keratin filament binding	Tchp	304547	1,08	up
6482831	7103017	1135163	trichoplein, keratin filament binding	Tchp	304547	1,08	down
5768575	7103017	1135161	trichoplein, keratin filament binding	Tchp	304547	1,03	down
6152487	7272299	1553564	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,41	up
5747283	7272299	1553571	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,35	down
6057064	7272299	1553560	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,33	down
5989699	7272299	1553569	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,29	up
5827619	7272299	1553573	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,25	down
5649381	7272299	1553558	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,25	down
5729163	7272299	1553565	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,16	up
5975212	7272299	1553566	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,11	up
6619536	7272299	1553573	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,11	down
5862109	7272299	1553568	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,11	down
6204188	7272299	1553558	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,06	up
6383580	7272299	1553570	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,05	up
5679152	7272299	1553562	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,04	down
6254446	7272299	1553563	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,01	up
6186263	7272299	1553561	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,00	down
6435388	7272299	1553568	trimethylguanosine synthase homolog (S. cerevisiae)	Tgs1	312947	1,00	up
6715579	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	5,88	up
6416532	7196803	1367340	trinucleotide repeat containing 4	Tnrc4	499669	1,29	down
6730988	7196803	1367338	trinucleotide repeat containing 4	Tnrc4	499669	1,23	down
5627015	7196803	1367339	trinucleotide repeat containing 4	Tnrc4	499669	1,22	down
5978364	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	1,20	down
6695509	7196803	1367329	trinucleotide repeat containing 4	Tnrc4	499669	1,19	down
5647947	7196803	1367335	trinucleotide repeat containing 4	Tnrc4	499669	1,18	down
6106186	7196803	1367337	trinucleotide repeat containing 4	Tnrc4	499669	1,18	down
6302647	7196803	1367340	trinucleotide repeat containing 4	Tnrc4	499669	1,14	down
6623865	7196803	1367341	trinucleotide repeat containing 4	Tnrc4	499669	1,12	down
5794572	7196803	1367338	trinucleotide repeat containing 4	Tnrc4	499669	1,09	up
6506792	7196803	1367336	trinucleotide repeat containing 4	Tnrc4	499669	1,05	up
6010408	7196803	1367333	trinucleotide repeat containing 4	Tnrc4	499669	1,03	up
5706193	7196803	1367344	trinucleotide repeat containing 4	Tnrc4	499669	1,02	up
6199845	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	1,01	down
6469936	7196803	1367328	trinucleotide repeat containing 4	Tnrc4	499669	1,00	down
6585127	7318691	1669168	TRIO and F-actin binding protein	Triobp	362956	2,18	down
6169004	7318691	1669166	TRIO and F-actin binding protein	Triobp	362956	1,93	up
5787884	7318691	1669168	TRIO and F-actin binding protein	Triobp	362956	1,78	down
6480900	7318691	1669165	TRIO and F-actin binding protein	Triobp	362956	1,74	up
5927187	7318691	1669162	TRIO and F-actin binding protein	Triobp	362956	1,28	up
5668856	7318691	1669161	TRIO and F-actin binding protein	Triobp	362956	1,27	down
5813702	7318691	1669167	TRIO and F-actin binding protein	Triobp	362956	1,19	up
6344798	7318691	1669164	TRIO and F-actin binding protein	Triobp	362956	1,17	up
5922179	7318691	1669163	TRIO and F-actin binding protein	Triobp	362956	1,14	up
6462082	7210263	1399733	tripartite motif protein 2	Trim2	361970	1,77	down

5789546	7210263	1399745	tripartite motif protein 2	Trim2	361970	1,71	up
5749568	7210263	1399734	tripartite motif protein 2	Trim2	361970	1,62	up
6693550	7210263	1399759	tripartite motif protein 2	Trim2	361970	1,53	down
6157531	7210263	1399733	tripartite motif protein 2	Trim2	361970	1,42	down
6568633	7210263	1399745	tripartite motif protein 2	Trim2	361970	1,40	up
5679470	7210263	1399754	tripartite motif protein 2	Trim2	361970	1,34	down
6387969	7210263	1399740	tripartite motif protein 2	Trim2	361970	1,27	down
5861243	7210263	1399737	tripartite motif protein 2	Trim2	361970	1,24	down
6061872	7210263	1399744	tripartite motif protein 2	Trim2	361970	1,17	down
6362487	7210263	1399754	tripartite motif protein 2	Trim2	361970	1,14	up
6616720	7210263	1399741	tripartite motif protein 2	Trim2	361970	1,11	up
6521849	7210263	1399751	tripartite motif protein 2	Trim2	361970	1,10	down
6529071	7210263	1399740	tripartite motif protein 2	Trim2	361970	1,06	up
5618135	7210263	1399744	tripartite motif protein 2	Trim2	361970	1,03	down
5931652	7210263	1399736	tripartite motif protein 2	Trim2	361970	1,02	up
6587101	7220358	1423886	tripartite motif-containing 26	Trim26	309586	3,29	down
6256596	7220358	1423886	tripartite motif-containing 26	Trim26	309586	1,70	down
5868318	7220358	1423885	tripartite motif-containing 26	Trim26	309586	1,66	up
6620147	7220358	1423883	tripartite motif-containing 26	Trim26	309586	1,28	down
5697414	7220358	1423884	tripartite motif-containing 26	Trim26	309586	1,25	up
6678695	7220358	1423888	tripartite motif-containing 26	Trim26	309586	1,21	up
6340273	7220358	1423883	tripartite motif-containing 26	Trim26	309586	1,16	up
5862367	7220358	1423887	tripartite motif-containing 26	Trim26	309586	1,10	down
6159888	7220358	1423889	tripartite motif-containing 26	Trim26	309586	1,08	up
6086507	7220358	1423882	tripartite motif-containing 26	Trim26	309586	1,03	down
6438136	7055438	1021563	tripartite motif-containing 3	Trim3	83616	4,79	down
5939993	7055438	1021556	tripartite motif-containing 3	Trim3	83616	1,45	up
6309274	7055438	1021555	tripartite motif-containing 3	Trim3	83616	1,33	up
6261868	7055438	1021560	tripartite motif-containing 3	Trim3	83616	1,32	down
6144785	7055438	1021563	tripartite motif-containing 3	Trim3	83616	1,30	down
5937756	7055438	1021553	tripartite motif-containing 3	Trim3	83616	1,26	up
6651144	7055438	1021561	tripartite motif-containing 3	Trim3	83616	1,24	down
6162909	7055438	1021551	tripartite motif-containing 3	Trim3	83616	1,16	down
5753195	7055438	1021562	tripartite motif-containing 3	Trim3	83616	1,09	up
6255990	7055438	1021552	tripartite motif-containing 3	Trim3	83616	1,04	up
6638263	7055438	1021562	tripartite motif-containing 3	Trim3	83616	1,04	up
5851650	7055438	1021554	tripartite motif-containing 3	Trim3	83616	1,04	down
6529526	7055438	1021557	tripartite motif-containing 3	Trim3	83616	1,03	up
6744035	7055438	1021559	tripartite motif-containing 3	Trim3	83616	1,02	down
6010888	7055438	1021558	tripartite motif-containing 3	Trim3	83616	1,02	down
6745705	7303939	1632346	tripartite motif-containing 54	Trim54	362708	2,33	down
6513549	7303939	1632341	tripartite motif-containing 54	Trim54	362708	1,47	down
5773547	7303939	1632340	tripartite motif-containing 54	Trim54	362708	1,39	up
5992911	7303939	1632346	tripartite motif-containing 54	Trim54	362708	1,27	up
6298484	7303939	1632342	tripartite motif-containing 54	Trim54	362708	1,26	down
5748665	7303939	1632344	tripartite motif-containing 54	Trim54	362708	1,24	up
6447238	7303939	1632345	tripartite motif-containing 54	Trim54	362708	1,12	up
6208703	7303939	1632346	tripartite motif-containing 54	Trim54	362708	1,04	down
6535201	7303939	1632343	tripartite motif-containing 54	Trim54	362708	1,04	up
6616962	7303939	1632339	tripartite motif-containing 54	Trim54	362708	1,02	down
6629633	7182056	1330577	tripartite motif-containing 67	Trim67	307938	1,60	up
6182060	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,56	down
6742158	7182056	1330590	tripartite motif-containing 67	Trim67	307938	1,44	up
6214365	7182056	1330588	tripartite motif-containing 67	Trim67	307938	1,39	up
6063616	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,32	down
5672333	7182056	1330591	tripartite motif-containing 67	Trim67	307938	1,21	up
5715022	7182056	1330592	tripartite motif-containing 67	Trim67	307938	1,20	down

6632098	7182056	1330584	tripartite motif-containing 67	Trim67	307938	1,19	up
5819820	7182056	1330589	tripartite motif-containing 67	Trim67	307938	1,17	down
6744687	7182056	1330587	tripartite motif-containing 67	Trim67	307938	1,05	down
6486776	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,05	down
6445940	7182056	1330578	tripartite motif-containing 67	Trim67	307938	1,03	down
5638056	7182056	1330576	tripartite motif-containing 67	Trim67	307938	1,03	down
6280606	7182056	1330583	tripartite motif-containing 67	Trim67	307938	1,02	down
6100482	7182056	1330579	tripartite motif-containing 67	Trim67	307938	1,01	down
6619670	7182056	1330586	tripartite motif-containing 67	Trim67	307938	1,00	down
6190587	7205750	1389000	triple functional domain (PTPRF interacting)	Trio	310192	1,88	down
6405748	7205750	1388978	triple functional domain (PTPRF interacting)	Trio	310192	1,87	up
6458102	7205750	1388951	triple functional domain (PTPRF interacting)	Trio	310192	1,86	down
6352956	7205750	1388947	triple functional domain (PTPRF interacting)	Trio	310192	1,72	down
6661553	7205750	1389026	triple functional domain (PTPRF interacting)	Trio	310192	1,71	up
5649691	7205750	1388987	triple functional domain (PTPRF interacting)	Trio	310192	1,54	up
5652773	7205750	1389031	triple functional domain (PTPRF interacting)	Trio	310192	1,47	up
6353186	7205750	1388972	triple functional domain (PTPRF interacting)	Trio	310192	1,47	up
6739659	7205750	1388977	triple functional domain (PTPRF interacting)	Trio	310192	1,45	up
6444747	7205750	1388971	triple functional domain (PTPRF interacting)	Trio	310192	1,42	up
6141287	7205750	1388990	triple functional domain (PTPRF interacting)	Trio	310192	1,41	up
5627171	7205750	1388915	triple functional domain (PTPRF interacting)	Trio	310192	1,38	up
5629825	7205750	1388923	triple functional domain (PTPRF interacting)	Trio	310192	1,33	up
6188224	7205750	1388989	triple functional domain (PTPRF interacting)	Trio	310192	1,33	up
6134505	7205750	1388926	triple functional domain (PTPRF interacting)	Trio	310192	1,32	down
5839471	7205750	1389020	triple functional domain (PTPRF interacting)	Trio	310192	1,32	up
5795030	7205750	1388992	triple functional domain (PTPRF interacting)	Trio	310192	1,30	up
5841416	7205750	1388993	triple functional domain (PTPRF interacting)	Trio	310192	1,30	up
6156769	7205750	1389030	triple functional domain (PTPRF interacting)	Trio	310192	1,29	up
6661027	7205750	1388999	triple functional domain (PTPRF interacting)	Trio	310192	1,28	up
5744781	7205750	1389014	triple functional domain (PTPRF interacting)	Trio	310192	1,27	up
5870608	7205750	1388938	triple functional domain (PTPRF interacting)	Trio	310192	1,26	up
5649257	7205750	1388953	triple functional domain (PTPRF interacting)	Trio	310192	1,26	down
6673622	7205750	1388939	triple functional domain (PTPRF interacting)	Trio	310192	1,25	down
6074342	7205750	1389022	triple functional domain (PTPRF interacting)	Trio	310192	1,24	up
6694296	7205750	1388936	triple functional domain (PTPRF interacting)	Trio	310192	1,21	down
6206599	7205750	1388970	triple functional domain (PTPRF interacting)	Trio	310192	1,20	up
5866616	7205750	1388946	triple functional domain (PTPRF interacting)	Trio	310192	1,19	down
6258245	7205750	1388969	triple functional domain (PTPRF interacting)	Trio	310192	1,18	up
6155749	7205750	1388914	triple functional domain (PTPRF interacting)	Trio	310192	1,16	up
6474679	7205750	1388916	triple functional domain (PTPRF interacting)	Trio	310192	1,16	down
5652097	7205750	1389029	triple functional domain (PTPRF interacting)	Trio	310192	1,15	up
6043569	7205750	1388917	triple functional domain (PTPRF interacting)	Trio	310192	1,15	up
5779722	7205750	1388927	triple functional domain (PTPRF interacting)	Trio	310192	1,12	down
5945146	7205750	1388963	triple functional domain (PTPRF interacting)	Trio	310192	1,10	up
6695585	7205750	1388984	triple functional domain (PTPRF interacting)	Trio	310192	1,08	up
6570284	7205750	1388968	triple functional domain (PTPRF interacting)	Trio	310192	1,07	up
5683510	7205750	1388986	triple functional domain (PTPRF interacting)	Trio	310192	1,07	down
6347562	7205750	1388980	triple functional domain (PTPRF interacting)	Trio	310192	1,07	up
5930760	7205750	1389034	triple functional domain (PTPRF interacting)	Trio	310192	1,05	down
6562214	7205750	1388934	triple functional domain (PTPRF interacting)	Trio	310192	1,04	up
5954700	7205750	1388951	triple functional domain (PTPRF interacting)	Trio	310192	1,04	down
5919176	7205750	1388934	triple functional domain (PTPRF interacting)	Trio	310192	1,03	up
5898389	7205750	1388945	triple functional domain (PTPRF interacting)	Trio	310192	1,02	up
5810352	7205750	1389009	triple functional domain (PTPRF interacting)	Trio	310192	1,02	down
6125911	7205750	1389035	triple functional domain (PTPRF interacting)	Trio	310192	1,01	down
6543351	7205750	1388979	triple functional domain (PTPRF interacting)	Trio	310192	1,01	down
5848975	7205750	1388918	triple functional domain (PTPRF interacting)	Trio	310192	1,01	down

5856928	7184050	1335719	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	2,89	down
6377480	7184050	1335713	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	2,01	down
6559525	7184050	1335718	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,79	down
5769791	7184050	1335712	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,59	down
5835448	7184050	1335717	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,45	down
6161314	7184050	1335728	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,35	down
6660456	7184050	1335712	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,32	down
6215761	7184050	1335726	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,29	up
6496212	7184050	1335725	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,27	up
6538786	7184050	1335714	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,26	up
6084182	7184050	1335727	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,16	down
6388523	7184050	1335721	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,14	down
6142938	7184050	1335724	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,13	up
6380346	7184050	1335723	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,11	up
6654086	7184050	1335715	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,11	up
6254952	7184050	1335720	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,05	down
5704834	7184050	1335722	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,05	up
5735050	7184050	1335716	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,03	down
6567971	7184050	1335716	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,02	down
5791627	7184050	1335716	TRM1 tRNA methyltransferase 1 homolog (S. cerevisiae)	Trmt1	288914	1,01	up
6371853	7319609	1671200	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	2,12	up
5775449	7319609	1671207	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,59	up
6498668	7319609	1671204	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,52	up
5718167	7319609	1671204	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,28	down
5790467	7319609	1671208	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,18	down
6735763	7319609	1671197	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,18	down
6566613	7319609	1671208	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,17	down
6670885	7319609	1671201	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,15	up
5636588	7319609	1671199	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,07	up
6001656	7319609	1671198	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,05	up
6386969	7319609	1671209	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,05	up
6562324	7319609	1671197	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,03	up
6234980	7319609	1671206	tRNA 5-methylaminomethyl-2-thiouridylate methyltransferase	Trmu	362976	1,01	up
6492865	7317274	1665627	tRNA methyltransferase 12 homolog (S. cerevisiae)	Trmt12	314999	2,23	down
6017081	7317274	1665627	tRNA methyltransferase 12 homolog (S. cerevisiae)	Trmt12	314999	1,01	down
6063489	7073673	1065082	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	2,65	down
6103970	7073673	1065088	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,80	up
5831626	7073673	1065091	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,58	down
6599291	7073673	1065089	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,41	up
6294180	7073673	1065084	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,41	up
5639476	7073673	1065091	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,37	down
6409352	7073673	1065089	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,36	down
5631739	7073673	1065086	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,32	up
5673726	7073673	1065083	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,29	down
6079521	7073673	1065088	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,20	up
5784970	7073673	1065087	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,20	up
5637894	7073673	1065085	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,05	up
6336869	7073673	1065090	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,05	up
5788574	7073673	1065091	tRNA splicing endonuclease 54 homolog (S. cerevisiae)	Tsen54	690308	1,04	up
6000543	7101553	1131338	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	2,23	up
5980789	7101553	1131327	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	2,06	up
5912561	7101553	1131341	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,66	up
6017743	7101553	1131338	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,44	up
5752830	7101553	1131329	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,44	down
6721309	7101553	1131320	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,38	down
6255828	7101553	1131344	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,34	down
6225865	7101553	1131330	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,25	up

6018743	7101553	1131338	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,19	up
5652655	7101553	1131346	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,18	up
6251181	7101553	1131322	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,12	down
6446532	7101553	1131340	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,10	down
5635490	7101553	1131336	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,07	down
6504707	7101553	1131339	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,05	down
6209418	7101553	1131326	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,05	down
6259382	7101553	1131332	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,04	down
6617682	7101553	1131321	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,03	down
5723556	7101553	1131320	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,03	up
6143983	7101553	1131320	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,03	down
6607691	7101553	1131335	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,02	down
6007725	7101553	1131341	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,01	down
5705561	7101553	1131345	tRNA-yW synthesizing protein 1 homolog (S. cerevisiae)	Tyw1	304423	1,01	up
6091055	7338762	1716707	trophoblast glycoprotein	Tpbg	83684	3,37	up
6563854	7338762	1716707	trophoblast glycoprotein	Tpbg	83684	1,50	down
6598444	7338762	1716706	trophoblast glycoprotein	Tpbg	83684	1,30	down
6653620	7338762	1716706	trophoblast glycoprotein	Tpbg	83684	1,19	down
5831811	7338762	1716706	trophoblast glycoprotein	Tpbg	83684	1,19	up
6383373	7338762	1716707	trophoblast glycoprotein	Tpbg	83684	1,05	down
5626855	7346991	1737553	tropomyosin 1, alpha	Tpm1	24851	2,35	down
5765851	7346991	1737551	tropomyosin 1, alpha	Tpm1	24851	1,87	down
6456859	7346991	1737552	tropomyosin 1, alpha	Tpm1	24851	1,87	down
5970162	7346991	1737540	tropomyosin 1, alpha	Tpm1	24851	1,62	down
6431196	7346991	1737547	tropomyosin 1, alpha	Tpm1	24851	1,43	up
6290492	7346991	1737539	tropomyosin 1, alpha	Tpm1	24851	1,41	up
6441836	7346991	1737541	tropomyosin 1, alpha	Tpm1	24851	1,36	down
6606554	7346991	1737550	tropomyosin 1, alpha	Tpm1	24851	1,34	down
5886362	7346991	1737543	tropomyosin 1, alpha	Tpm1	24851	1,31	up
5852778	7346991	1737541	tropomyosin 1, alpha	Tpm1	24851	1,27	down
6105695	7346991	1737550	tropomyosin 1, alpha	Tpm1	24851	1,25	up
6032871	7346991	1737549	tropomyosin 1, alpha	Tpm1	24851	1,23	up
6485754	7346991	1737546	tropomyosin 1, alpha	Tpm1	24851	1,18	down
6343884	7346991	1737548	tropomyosin 1, alpha	Tpm1	24851	1,16	up
5956247	7346991	1737538	tropomyosin 1, alpha	Tpm1	24851	1,10	up
6468003	7346991	1737545	tropomyosin 1, alpha	Tpm1	24851	1,06	down
6632718	7346991	1737544	tropomyosin 1, alpha	Tpm1	24851	1,06	up
6410500	7346991	1737542	tropomyosin 1, alpha	Tpm1	24851	1,03	up
6588435	7196361	1366436	tropomyosin 3, gamma	Tpm3	117557	2,03	up
6420686	7196361	1366442	tropomyosin 3, gamma	Tpm3	117557	1,64	down
6186235	7196361	1366445	tropomyosin 3, gamma	Tpm3	117557	1,62	up
6702652	7196361	1366444	tropomyosin 3, gamma	Tpm3	117557	1,53	down
5780217	7196361	1366437	tropomyosin 3, gamma	Tpm3	117557	1,43	down
5671480	7196361	1366440	tropomyosin 3, gamma	Tpm3	117557	1,28	up
5848541	7196361	1366446	tropomyosin 3, gamma	Tpm3	117557	1,08	up
6448688	7196361	1366439	tropomyosin 3, gamma	Tpm3	117557	1,08	up
5867743	7196361	1366438	tropomyosin 3, gamma	Tpm3	117557	1,04	down
6008122	7196361	1366437	tropomyosin 3, gamma	Tpm3	117557	1,04	down
6112649	7196361	1366444	tropomyosin 3, gamma	Tpm3	117557	1,04	up
6341586	7196361	1366443	tropomyosin 3, gamma	Tpm3	117557	1,03	up
6203554	7196361	1366441	tropomyosin 3, gamma	Tpm3	117557	1,02	down
6682243	7105453	1141144	troponin T type 2 (cardiac)	Tnnt2	24837	2,53	down
5701693	7105453	1141145	troponin T type 2 (cardiac)	Tnnt2	24837	1,73	up
6149353	7105453	1141146	troponin T type 2 (cardiac)	Tnnt2	24837	1,52	down
6574562	7105453	1141153	troponin T type 2 (cardiac)	Tnnt2	24837	1,50	up
6444192	7105453	1141147	troponin T type 2 (cardiac)	Tnnt2	24837	1,19	down
6275433	7105453	1141148	troponin T type 2 (cardiac)	Tnnt2	24837	1,12	up

6250784	7105453	1141150	troponin T type 2 (cardiac)	Tnnt2	24837	1,12	up
5902964	7105453	1141143	troponin T type 2 (cardiac)	Tnnt2	24837	1,12	up
5705178	7105453	1141142	troponin T type 2 (cardiac)	Tnnt2	24837	1,11	up
6258334	7105453	1141152	troponin T type 2 (cardiac)	Tnnt2	24837	1,07	up
6358491	7105453	1141149	troponin T type 2 (cardiac)	Tnnt2	24837	1,06	up
6155408	7105453	1141154	troponin T type 2 (cardiac)	Tnnt2	24837	1,06	down
6125575	7105453	1141155	troponin T type 2 (cardiac)	Tnnt2	24837	1,05	down
6620785	7105453	1141151	troponin T type 2 (cardiac)	Tnnt2	24837	1,02	down
5826607	7038618	982106	troponin T type 3 (skeletal, fast)	Tnnt3	24838	2,02	up
6732517	7038618	982110	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,43	down
5955400	7038618	982103	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,29	up
6517271	7038618	982107	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,22	up
6579175	7038618	982108	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,12	down
5691514	7038618	982104	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,04	up
6132181	7038618	982105	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,03	down
5848921	7038618	982109	troponin T type 3 (skeletal, fast)	Tnnt3	24838	1,02	down
5846344	7310471	1648605	tryptophanyl-tRNA synthetase	Wars	314442	2,52	down
6600835	7310471	1648614	tryptophanyl-tRNA synthetase	Wars	314442	1,98	down
6208158	7310471	1648610	tryptophanyl-tRNA synthetase	Wars	314442	1,28	up
5794729	7310471	1648609	tryptophanyl-tRNA synthetase	Wars	314442	1,25	down
6418357	7310471	1648615	tryptophanyl-tRNA synthetase	Wars	314442	1,20	up
5909556	7310471	1648615	tryptophanyl-tRNA synthetase	Wars	314442	1,16	up
5644389	7310471	1648615	tryptophanyl-tRNA synthetase	Wars	314442	1,15	down
6264683	7310471	1648608	tryptophanyl-tRNA synthetase	Wars	314442	1,09	up
6184263	7310471	1648611	tryptophanyl-tRNA synthetase	Wars	314442	1,09	up
6005564	7310471	1648612	tryptophanyl-tRNA synthetase	Wars	314442	1,07	up
6700053	7310471	1648613	tryptophanyl-tRNA synthetase	Wars	314442	1,06	up
6275237	7310471	1648607	tryptophanyl-tRNA synthetase	Wars	314442	1,06	down
5756648	7310471	1648607	tryptophanyl-tRNA synthetase	Wars	314442	1,04	up
6530870	7310471	1648606	tryptophanyl-tRNA synthetase	Wars	314442	1,04	up
5815790	7219301	1421262	TSPY-like 4	Tspyl4	309828	3,96	up
5742759	7219301	1421263	TSPY-like 4	Tspyl4	309828	1,53	down
5946680	7219301	1421262	TSPY-like 4	Tspyl4	309828	1,38	down
6277283	7219301	1421262	TSPY-like 4	Tspyl4	309828	1,29	up
6566380	7219301	1421262	TSPY-like 4	Tspyl4	309828	1,07	up
5745950	7221168	1425635	tubby like protein 1	Tulp1	309900	2,48	down
5624429	7221168	1425631	tubby like protein 1	Tulp1	309900	1,77	down
6172823	7221168	1425622	tubby like protein 1	Tulp1	309900	1,75	up
6061354	7221168	1425621	tubby like protein 1	Tulp1	309900	1,63	up
6597846	7221168	1425629	tubby like protein 1	Tulp1	309900	1,42	up
6148169	7221168	1425631	tubby like protein 1	Tulp1	309900	1,12	down
5747711	7221168	1425634	tubby like protein 1	Tulp1	309900	1,11	down
6031251	7221168	1425636	tubby like protein 1	Tulp1	309900	1,10	up
6471749	7221168	1425626	tubby like protein 1	Tulp1	309900	1,08	down
6248205	7221168	1425621	tubby like protein 1	Tulp1	309900	1,07	down
5942269	7221168	1425630	tubby like protein 1	Tulp1	309900	1,04	up
5820059	7221168	1425624	tubby like protein 1	Tulp1	309900	1,02	up
5892045	7221168	1425633	tubby like protein 1	Tulp1	309900	1,02	down
6530572	7221168	1425623	tubby like protein 1	Tulp1	309900	1,01	up
6743923	7221168	1425627	tubby like protein 1	Tulp1	309900	1,00	down
6618559	7158452	1271482	tubulin folding cofactor E	Tbce	361255	2,09	down
5676262	7158452	1271492	tubulin folding cofactor E	Tbce	361255	1,88	down
6005680	7158452	1271488	tubulin folding cofactor E	Tbce	361255	1,57	up
5687662	7158452	1271490	tubulin folding cofactor E	Tbce	361255	1,49	down
6705931	7158452	1271486	tubulin folding cofactor E	Tbce	361255	1,37	up
5634416	7158452	1271476	tubulin folding cofactor E	Tbce	361255	1,30	up
6192391	7158452	1271477	tubulin folding cofactor E	Tbce	361255	1,24	down

5966660	7158452	1271484	tubulin folding cofactor E	Tbce	361255	1,21	down
6086329	7158452	1271479	tubulin folding cofactor E	Tbce	361255	1,18	down
6726481	7158452	1271485	tubulin folding cofactor E	Tbce	361255	1,15	up
5623696	7158452	1271487	tubulin folding cofactor E	Tbce	361255	1,13	up
6563043	7158452	1271491	tubulin folding cofactor E	Tbce	361255	1,13	up
6018271	7158452	1271479	tubulin folding cofactor E	Tbce	361255	1,11	down
6235807	7158452	1271483	tubulin folding cofactor E	Tbce	361255	1,09	down
5724434	7158452	1271481	tubulin folding cofactor E	Tbce	361255	1,06	up
6398879	7158452	1271489	tubulin folding cofactor E	Tbce	361255	1,06	up
5747062	7158452	1271476	tubulin folding cofactor E	Tbce	361255	1,04	down
6457811	7158452	1271487	tubulin folding cofactor E	Tbce	361255	1,04	up
6667882	7158452	1271480	tubulin folding cofactor E	Tbce	361255	1,03	down
6179900	7158452	1271478	tubulin folding cofactor E	Tbce	361255	1,03	up
6413397	7158452	1271482	tubulin folding cofactor E	Tbce	361255	1,02	up
5926959	7232474	1453935	tubulin tyrosine ligase	Ttl	171572	2,47	up
5729463	7232474	1453935	tubulin tyrosine ligase	Ttl	171572	1,54	down
6593500	7232474	1453936	tubulin tyrosine ligase	Ttl	171572	1,29	down
5717125	7232474	1453941	tubulin tyrosine ligase	Ttl	171572	1,09	up
6737525	7232474	1453938	tubulin tyrosine ligase	Ttl	171572	1,03	down
5764481	7232474	1453940	tubulin tyrosine ligase	Ttl	171572	1,03	down
5755656	7232474	1453937	tubulin tyrosine ligase	Ttl	171572	1,03	down
5881456	7232474	1453939	tubulin tyrosine ligase	Ttl	171572	1,02	up
5695842	7237940	1468140	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	2,02	down
6071349	7237940	1468178	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,89	up
6041876	7237940	1468197	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,71	down
6548391	7237940	1468140	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,66	up
6507117	7237940	1468152	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,54	down
6360245	7237940	1468183	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,38	up
5782280	7237940	1468179	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,35	down
6476499	7237940	1468140	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,30	up
5653556	7237940	1468197	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,30	down
5778319	7237940	1468191	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,28	up
6246476	7237940	1468159	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,18	up
6525962	7237940	1468197	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,13	up
6527137	7237940	1468197	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,08	up
6673797	7237940	1468141	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,05	down
6633502	7237940	1468189	tubulin tyrosine ligase-like family, member 11	Ttll11	689746	1,01	up
6216475	7356115	1760135	tubulin tyrosine ligase-like family, member 4	Ttl4	690512	1,81	down
5778388	7200545	1376936	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	2,23	down
5874200	7200545	1376936	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	2,00	down
6740025	7200545	1376887	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,99	up
5811139	7200545	1376919	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,58	down
6681175	7200545	1376893	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,30	down
6306509	7200545	1376896	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,28	up
6093533	7200545	1376918	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,20	down
5988004	7200545	1376892	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,12	down
6166512	7200545	1376930	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,10	down
6124421	7200545	1376895	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,09	up
6241152	7200545	1376889	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,08	down
5625501	7200545	1376893	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,08	up
6486107	7200545	1376926	tubulin tyrosine ligase-like family, member 7	Ttl7	310982	1,01	down
6419714	7259835	1522356	tubulin, alpha 3A /// tubulin, alpha 3B	Tuba3a /// Tuba3b	500319 /// 500363	1,53	up
6697661	7259835	1522354	tubulin, alpha 3A /// tubulin, alpha 3B	Tuba3a /// Tuba3b	500319 /// 500363	1,20	up
6137291	7259835	1522357	tubulin, alpha 3A /// tubulin, alpha 3B	Tuba3a /// Tuba3b	500319 /// 500363	1,14	up
6746786	7259835	1522356	tubulin, alpha 3A /// tubulin, alpha 3B	Tuba3a /// Tuba3b	500319 /// 500363	1,05	up
6275400	7259835	1522354	tubulin, alpha 3B	Tuba3b	500363	2,17	down
6570372	7259835	1522356	tubulin, alpha 3B	Tuba3b	500363	1,19	up

6677897	7259835	1522358	tubulin, alpha 3B	Tuba3b	500363	1,12	down
6215401	7259835	1522355	tubulin, alpha 3B	Tuba3b	500363	1,10	down
6686573	7259835	1522357	tubulin, alpha 3B	Tuba3b	500363	1,04	up
6108391	7171549	1303546	tubulin, beta 6	Tubb6	307351	2,78	up
6094664	7171549	1303544	tubulin, beta 6	Tubb6	307351	2,31	up
6217058	7171549	1303550	tubulin, beta 6	Tubb6	307351	1,83	up
5803570	7171549	1303550	tubulin, beta 6	Tubb6	307351	1,62	up
6458498	7171549	1303549	tubulin, beta 6	Tubb6	307351	1,34	down
6642881	7171549	1303544	tubulin, beta 6	Tubb6	307351	1,25	down
5640660	7147720	1245213	tubulin, gamma complex associated protein 3	Tubgcp3	306599	2,08	down
5965880	7147720	1245222	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,64	down
5949380	7147720	1245217	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,59	down
6529347	7147720	1245202	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,44	down
6113645	7147720	1245219	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,41	up
6148883	7147720	1245214	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,41	down
6675409	7147720	1245204	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,39	up
6709443	7147720	1245236	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,34	down
5756683	7147720	1245210	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,32	down
6469107	7147720	1245202	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,30	down
5964782	7147720	1245206	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,25	up
6320980	7147720	1245224	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,23	up
6264528	7147720	1245221	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,20	up
6186792	7147720	1245209	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,20	down
5796674	7147720	1245233	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,20	up
5911171	7147720	1245237	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,15	down
6435937	7147720	1245238	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,15	up
6307662	7147720	1245233	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,09	up
5757390	7147720	1245215	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,07	up
5808843	7147720	1245228	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,07	down
6528947	7147720	1245234	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,07	down
6738434	7147720	1245226	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,06	up
6404658	7147720	1245216	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,03	down
6108930	7147720	1245210	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,01	up
6002720	7147720	1245237	tubulin, gamma complex associated protein 3	Tubgcp3	306599	1,00	up
6544771	7369712	1794817	tubulin-specific chaperone d	Tbcd	360683	2,11	up
5920456	7369712	1794846	tubulin-specific chaperone d	Tbcd	360683	1,53	down
6530352	7369712	1794824	tubulin-specific chaperone d	Tbcd	360683	1,39	down
6299880	7369712	1794844	tubulin-specific chaperone d	Tbcd	360683	1,37	down
5770152	7369712	1794821	tubulin-specific chaperone d	Tbcd	360683	1,34	down
6302331	7369712	1794822	tubulin-specific chaperone d	Tbcd	360683	1,29	up
6072363	7369712	1794819	tubulin-specific chaperone d	Tbcd	360683	1,25	up
5883697	7369712	1794837	tubulin-specific chaperone d	Tbcd	360683	1,25	down
5793817	7369712	1794836	tubulin-specific chaperone d	Tbcd	360683	1,21	down
5842790	7369712	1794849	tubulin-specific chaperone d	Tbcd	360683	1,18	down
6056054	7369712	1794827	tubulin-specific chaperone d	Tbcd	360683	1,18	down
6172375	7369712	1794840	tubulin-specific chaperone d	Tbcd	360683	1,14	up
6097007	7369712	1794842	tubulin-specific chaperone d	Tbcd	360683	1,13	down
6300729	7369712	1794820	tubulin-specific chaperone d	Tbcd	360683	1,12	up
5824699	7369712	1794839	tubulin-specific chaperone d	Tbcd	360683	1,11	down
6273348	7369712	1794823	tubulin-specific chaperone d	Tbcd	360683	1,11	down
6263029	7369712	1794826	tubulin-specific chaperone d	Tbcd	360683	1,09	down
6330312	7369712	1794825	tubulin-specific chaperone d	Tbcd	360683	1,06	down
5780176	7369712	1794850	tubulin-specific chaperone d	Tbcd	360683	1,04	down
6644162	7369712	1794847	tubulin-specific chaperone d	Tbcd	360683	1,02	up
6415245	7369712	1794849	tubulin-specific chaperone d	Tbcd	360683	1,01	down
5921791	7291393	1600085	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	2,03	down
5707764	7291393	1600091	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,72	down

5924433	7291393	1600080	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,51	up
6074376	7291393	1600079	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,32	up
5993218	7291393	1600084	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,29	up
5725802	7291393	1600088	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,27	down
6117039	7291393	1600081	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,22	down
6635471	7291393	1600091	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,17	up
6172338	7291393	1600083	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,15	down
6369826	7291393	1600087	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,13	up
6590448	7291393	1600086	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,12	up
6685997	7291393	1600089	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,08	up
5952775	7291393	1600086	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,08	up
5628653	7291393	1600079	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,08	down
6132376	7291393	1600083	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,07	up
6677061	7291393	1600091	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,07	up
5653746	7291393	1600082	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,07	up
5716756	7291393	1600090	tubulointerstitial nephritis antigen-like 1	Tinagl1	94174	1,03	up
6739870	7050167	1009829	tudor domain containing 12	Tdrd12	292813	1,09	down
5657835	7134056	1211483	tudor domain containing 3	Tdrd3	306066	2,22	down
6180993	7134056	1211483	tudor domain containing 3	Tdrd3	306066	1,65	down
6183116	7134056	1211489	tudor domain containing 3	Tdrd3	306066	1,58	up
5794671	7134056	1211495	tudor domain containing 3	Tdrd3	306066	1,40	up
5857839	7134056	1211496	tudor domain containing 3	Tdrd3	306066	1,34	up
5737467	7134056	1211486	tudor domain containing 3	Tdrd3	306066	1,23	up
5971357	7134056	1211493	tudor domain containing 3	Tdrd3	306066	1,23	down
6439173	7134056	1211490	tudor domain containing 3	Tdrd3	306066	1,22	up
6483064	7134056	1211488	tudor domain containing 3	Tdrd3	306066	1,14	down
5738022	7134056	1211494	tudor domain containing 3	Tdrd3	306066	1,07	down
6456598	7134056	1211484	tudor domain containing 3	Tdrd3	306066	1,04	up
5815069	7134056	1211486	tudor domain containing 3	Tdrd3	306066	1,04	down
5732491	7134056	1211485	tudor domain containing 3	Tdrd3	306066	1,04	up
6736069	7134056	1211491	tudor domain containing 3	Tdrd3	306066	1,02	up
6012586	7134056	1211492	tudor domain containing 3	Tdrd3	306066	1,01	down
6388214	7134056	1211487	tudor domain containing 3	Tdrd3	306066	1,01	up
6729097	7112671	1158970	tudor domain containing 5	Tdrd5	289129	2,16	down
6385541	7112671	1158969	tudor domain containing 5	Tdrd5	289129	1,57	down
6325130	7112671	1158968	tudor domain containing 5	Tdrd5	289129	1,47	down
6161807	7112671	1158972	tudor domain containing 5	Tdrd5	289129	1,39	down
6474722	7112671	1158973	tudor domain containing 5	Tdrd5	289129	1,39	down
5886902	7112671	1158958	tudor domain containing 5	Tdrd5	289129	1,36	down
6407684	7112671	1158956	tudor domain containing 5	Tdrd5	289129	1,34	up
5719748	7112671	1158961	tudor domain containing 5	Tdrd5	289129	1,28	down
6435036	7112671	1158968	tudor domain containing 5	Tdrd5	289129	1,27	down
6088366	7112671	1158967	tudor domain containing 5	Tdrd5	289129	1,24	down
5859053	7112671	1158971	tudor domain containing 5	Tdrd5	289129	1,19	up
6699432	7112671	1158965	tudor domain containing 5	Tdrd5	289129	1,18	up
5747067	7112671	1158957	tudor domain containing 5	Tdrd5	289129	1,12	down
6139467	7112671	1158966	tudor domain containing 5	Tdrd5	289129	1,08	down
6627173	7112671	1158959	tudor domain containing 5	Tdrd5	289129	1,08	up
5788872	7112671	1158972	tudor domain containing 5	Tdrd5	289129	1,07	down
6450947	7112671	1158963	tudor domain containing 5	Tdrd5	289129	1,06	up
5936808	7112671	1158960	tudor domain containing 5	Tdrd5	289129	1,04	up
6080235	7112671	1158974	tudor domain containing 5	Tdrd5	289129	1,04	up
5886450	7112671	1158966	tudor domain containing 5	Tdrd5	289129	1,04	down
6522071	7112671	1158961	tudor domain containing 5	Tdrd5	289129	1,03	down
5709207	7112671	1158956	tudor domain containing 5	Tdrd5	289129	1,01	down
6075245	7302018	1626979	tudor domain containing 9	Tdrd9	299343	2,41	up
6005567	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,92	down

5782843	7302018	1626985	tudor domain containing 9	Tdrd9	299343	1,55	down
6595520	7302018	1626970	tudor domain containing 9	Tdrd9	299343	1,54	up
6547581	7302018	1626993	tudor domain containing 9	Tdrd9	299343	1,51	down
5624946	7302018	1626971	tudor domain containing 9	Tdrd9	299343	1,44	up
6646438	7302018	1626978	tudor domain containing 9	Tdrd9	299343	1,41	up
6572301	7302018	1626976	tudor domain containing 9	Tdrd9	299343	1,39	down
6694553	7302018	1626994	tudor domain containing 9	Tdrd9	299343	1,35	up
6261155	7302018	1626975	tudor domain containing 9	Tdrd9	299343	1,29	up
6390626	7302018	1626992	tudor domain containing 9	Tdrd9	299343	1,25	up
5995995	7302018	1626983	tudor domain containing 9	Tdrd9	299343	1,24	up
6202323	7302018	1626988	tudor domain containing 9	Tdrd9	299343	1,23	down
6365309	7302018	1626977	tudor domain containing 9	Tdrd9	299343	1,23	down
5824550	7302018	1626995	tudor domain containing 9	Tdrd9	299343	1,21	down
6301140	7302018	1626986	tudor domain containing 9	Tdrd9	299343	1,18	down
5878629	7302018	1626995	tudor domain containing 9	Tdrd9	299343	1,15	down
6451337	7302018	1626976	tudor domain containing 9	Tdrd9	299343	1,15	up
6129252	7302018	1626968	tudor domain containing 9	Tdrd9	299343	1,14	down
6136993	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,13	down
6446573	7302018	1626991	tudor domain containing 9	Tdrd9	299343	1,13	up
6037364	7302018	1626976	tudor domain containing 9	Tdrd9	299343	1,12	down
6366733	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,09	up
6574364	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,08	up
5635793	7302018	1626966	tudor domain containing 9	Tdrd9	299343	1,07	down
6745730	7302018	1626987	tudor domain containing 9	Tdrd9	299343	1,07	down
6434211	7302018	1626981	tudor domain containing 9	Tdrd9	299343	1,06	down
6448190	7302018	1626980	tudor domain containing 9	Tdrd9	299343	1,06	down
6177487	7302018	1626969	tudor domain containing 9	Tdrd9	299343	1,04	up
6678353	7302018	1626982	tudor domain containing 9	Tdrd9	299343	1,04	up
6202668	7302018	1626974	tudor domain containing 9	Tdrd9	299343	1,03	down
6146060	7302018	1626990	tudor domain containing 9	Tdrd9	299343	1,03	up
5810784	7302018	1626965	tudor domain containing 9	Tdrd9	299343	1,01	down
5774882	7302018	1626989	tudor domain containing 9	Tdrd9	299343	1,01	up
5889448	7079135	1077630	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	2,23	up
6688697	7079135	1077624	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,49	up
5747075	7079135	1077625	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,47	up
6166135	7079135	1077627	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,33	down
5906147	7079135	1077626	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,13	down
6073542	7079135	1077629	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,12	up
5758386	7079135	1077631	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,07	up
6332232	7079135	1077628	tumor necrosis factor (ligand) superfamily, member 13	Tnfsf13	287437	1,02	down
6021551	7153895	1259920	tumor necrosis factor (ligand) superfamily, member 13b	Tnfsf13b	498666	1,35	down
6195858	7153895	1259918	tumor necrosis factor (ligand) superfamily, member 13b	Tnfsf13b	498666	1,08	down
6413503	7153895	1259923	tumor necrosis factor (ligand) superfamily, member 13b	Tnfsf13b	498666	1,08	down
5992345	7153895	1259921	tumor necrosis factor (ligand) superfamily, member 13b	Tnfsf13b	498666	1,06	up
6507667	7153895	1259924	tumor necrosis factor (ligand) superfamily, member 13b	Tnfsf13b	498666	1,01	up
6742635	7287386	1590135	tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	252878	2,10	down
5919760	7287386	1590133	tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	252878	1,39	up
6571779	7287386	1590135	tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	252878	1,31	down
5765467	7287386	1590132	tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	252878	1,07	down
6020877	7287386	1590134	tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	252878	1,07	up
5813383	7287386	1590132	tumor necrosis factor (ligand) superfamily, member 15	Tnfsf15	252878	1,03	up
6002680	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	2,23	down
6152522	7292877	1603518	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,90	up
6472250	7292877	1603514	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,81	down
5827190	7292877	1603519	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,58	up
6656104	7292877	1603515	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,57	up
5906009	7292877	1603513	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,33	up

6041007	7292877	1603521	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,24	down
6321715	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,20	down
6599834	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,15	down
6102649	7292877	1603512	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,12	up
5801072	7292877	1603520	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,12	down
6015617	7292877	1603522	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,11	down
5718733	7292877	1603516	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,11	up
6093010	7292877	1603517	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,09	up
6434114	7292877	1603513	tumor necrosis factor receptor superfamily, member 1b	Tnfrsf1b	156767	1,05	down
5932505	7191983	1355173	tumor protein D52	Tpd52	294900	1,31	up
6325826	7191983	1355164	tumor protein D52	Tpd52	294900	1,27	down
6715811	7191983	1355168	tumor protein D52	Tpd52	294900	1,22	down
5874649	7191983	1355175	tumor protein D52	Tpd52	294900	1,12	down
5728043	7191983	1355175	tumor protein D52	Tpd52	294900	1,08	down
6398008	7191983	1355175	tumor protein D52	Tpd52	294900	1,07	down
6645823	7191983	1355164	tumor protein D52	Tpd52	294900	1,03	up
6621794	7191983	1355161	tumor protein D52	Tpd52	294900	1,03	down
6679473	7191983	1355166	tumor protein D52	Tpd52	294900	1,01	up
6226002	7243894	1482991	tumor protein p53 binding protein 1	Tp53bp1	296099	1,57	up
6087466	7243894	1482960	tumor protein p53 binding protein 1	Tp53bp1	296099	1,57	up
5807789	7243894	1482959	tumor protein p53 binding protein 1	Tp53bp1	296099	1,51	up
5653198	7243894	1482974	tumor protein p53 binding protein 1	Tp53bp1	296099	1,45	down
6723660	7243894	1482984	tumor protein p53 binding protein 1	Tp53bp1	296099	1,30	down
5687911	7243894	1482976	tumor protein p53 binding protein 1	Tp53bp1	296099	1,29	down
5825886	7243894	1482951	tumor protein p53 binding protein 1	Tp53bp1	296099	1,27	down
6334522	7243894	1482989	tumor protein p53 binding protein 1	Tp53bp1	296099	1,26	down
6570520	7243894	1482977	tumor protein p53 binding protein 1	Tp53bp1	296099	1,23	up
6224934	7243894	1482988	tumor protein p53 binding protein 1	Tp53bp1	296099	1,23	down
6247476	7243894	1482955	tumor protein p53 binding protein 1	Tp53bp1	296099	1,22	down
5867787	7243894	1482978	tumor protein p53 binding protein 1	Tp53bp1	296099	1,21	down
5863007	7243894	1482956	tumor protein p53 binding protein 1	Tp53bp1	296099	1,17	down
6042755	7243894	1482958	tumor protein p53 binding protein 1	Tp53bp1	296099	1,16	up
6325384	7243894	1482978	tumor protein p53 binding protein 1	Tp53bp1	296099	1,15	down
5659213	7243894	1482963	tumor protein p53 binding protein 1	Tp53bp1	296099	1,14	up
6452074	7243894	1482985	tumor protein p53 binding protein 1	Tp53bp1	296099	1,13	up
6264339	7243894	1482982	tumor protein p53 binding protein 1	Tp53bp1	296099	1,13	down
6348581	7243894	1482965	tumor protein p53 binding protein 1	Tp53bp1	296099	1,12	down
6333966	7243894	1482966	tumor protein p53 binding protein 1	Tp53bp1	296099	1,12	down
5722866	7243894	1482964	tumor protein p53 binding protein 1	Tp53bp1	296099	1,11	down
6159858	7243894	1482969	tumor protein p53 binding protein 1	Tp53bp1	296099	1,09	up
6558791	7243894	1482968	tumor protein p53 binding protein 1	Tp53bp1	296099	1,08	down
5825075	7243894	1482981	tumor protein p53 binding protein 1	Tp53bp1	296099	1,07	down
5834231	7243894	1482961	tumor protein p53 binding protein 1	Tp53bp1	296099	1,07	up
6292673	7243894	1482976	tumor protein p53 binding protein 1	Tp53bp1	296099	1,03	up
6702564	7243894	1482977	tumor protein p53 binding protein 1	Tp53bp1	296099	1,03	down
6048704	7243894	1482957	tumor protein p53 binding protein 1	Tp53bp1	296099	1,03	down
6505772	7243894	1482972	tumor protein p53 binding protein 1	Tp53bp1	296099	1,01	up
5938852	7323387	1679455	tumor rejection antigen gp96	Tra1	362862	2,40	up
6412135	7323387	1679455	tumor rejection antigen gp96	Tra1	362862	2,21	up
6208142	7323387	1679464	tumor rejection antigen gp96	Tra1	362862	1,26	down
6236466	7323387	1679451	tumor rejection antigen gp96	Tra1	362862	1,16	up
6508981	7323387	1679462	tumor rejection antigen gp96	Tra1	362862	1,15	down
6442326	7323387	1679465	tumor rejection antigen gp96	Tra1	362862	1,14	down
5733418	7323387	1679457	tumor rejection antigen gp96	Tra1	362862	1,10	down
6213015	7323387	1679460	tumor rejection antigen gp96	Tra1	362862	1,10	up
6247294	7323387	1679458	tumor rejection antigen gp96	Tra1	362862	1,09	up
5715255	7323387	1679461	tumor rejection antigen gp96	Tra1	362862	1,08	down

6629531	7323387	1679467	tumor rejection antigen gp96	Tra1	362862	1,07	up
5904178	7323387	1679456	tumor rejection antigen gp96	Tra1	362862	1,06	up
6207220	7323387	1679453	tumor rejection antigen gp96	Tra1	362862	1,06	down
6664313	7323387	1679455	tumor rejection antigen gp96	Tra1	362862	1,03	up
5757391	7323387	1679459	tumor rejection antigen gp96	Tra1	362862	1,03	down
5994018	7323387	1679454	tumor rejection antigen gp96	Tra1	362862	1,02	down
6452904	7323387	1679463	tumor rejection antigen gp96	Tra1	362862	1,02	up
6188727	7323387	1679466	tumor rejection antigen gp96	Tra1	362862	1,01	down
6291588	7323387	1679455	tumor rejection antigen gp96	Tra1	362862	1,01	up
5744611	7323387	1679452	tumor rejection antigen gp96	Tra1	362862	1,01	down
6588231	7297292	1614690	TWIST neighbor	Twistnb	362728	2,46	down
6221009	7297292	1614693	TWIST neighbor	Twistnb	362728	1,54	up
6109250	7297292	1614693	TWIST neighbor	Twistnb	362728	1,37	down
5729074	7297292	1614693	TWIST neighbor	Twistnb	362728	1,30	up
6646044	7297292	1614693	TWIST neighbor	Twistnb	362728	1,26	up
6680336	7297292	1614692	TWIST neighbor	Twistnb	362728	1,20	up
6661480	7297292	1614693	TWIST neighbor	Twistnb	362728	1,08	down
6565380	7297292	1614691	TWIST neighbor	Twistnb	362728	1,03	up
6273443	7059309	1029915	two pore segment channel 2	Tpcn2	309139	2,26	down
6097268	7059309	1029947	two pore segment channel 2	Tpcn2	309139	1,98	down
6524228	7059309	1029915	two pore segment channel 2	Tpcn2	309139	1,76	up
6200180	7059309	1029921	two pore segment channel 2	Tpcn2	309139	1,69	up
6525588	7059309	1029936	two pore segment channel 2	Tpcn2	309139	1,47	down
6451255	7059309	1029945	two pore segment channel 2	Tpcn2	309139	1,40	down
6106665	7059309	1029920	two pore segment channel 2	Tpcn2	309139	1,38	down
6454044	7059309	1029944	two pore segment channel 2	Tpcn2	309139	1,36	up
5944733	7059309	1029922	two pore segment channel 2	Tpcn2	309139	1,34	up
6242308	7059309	1029946	two pore segment channel 2	Tpcn2	309139	1,33	down
6619628	7059309	1029924	two pore segment channel 2	Tpcn2	309139	1,33	up
5930464	7059309	1029926	two pore segment channel 2	Tpcn2	309139	1,31	up
6590491	7059309	1029927	two pore segment channel 2	Tpcn2	309139	1,26	up
6700444	7059309	1029917	two pore segment channel 2	Tpcn2	309139	1,22	up
5970011	7059309	1029923	two pore segment channel 2	Tpcn2	309139	1,21	up
6374082	7059309	1029919	two pore segment channel 2	Tpcn2	309139	1,19	down
6508862	7059309	1029933	two pore segment channel 2	Tpcn2	309139	1,18	down
5988732	7059309	1029943	two pore segment channel 2	Tpcn2	309139	1,18	up
6484842	7059309	1029931	two pore segment channel 2	Tpcn2	309139	1,10	up
6348069	7059309	1029941	two pore segment channel 2	Tpcn2	309139	1,08	down
5810557	7059309	1029929	two pore segment channel 2	Tpcn2	309139	1,05	up
5867250	7059309	1029939	two pore segment channel 2	Tpcn2	309139	1,05	up
6030353	7059309	1029941	two pore segment channel 2	Tpcn2	309139	1,04	up
6338235	7059309	1029934	two pore segment channel 2	Tpcn2	309139	1,04	down
5628368	7059309	1029938	two pore segment channel 2	Tpcn2	309139	1,04	down
6271122	7059309	1029937	two pore segment channel 2	Tpcn2	309139	1,04	down
6186196	7059309	1029916	two pore segment channel 2	Tpcn2	309139	1,03	down
6671986	7059309	1029940	two pore segment channel 2	Tpcn2	309139	1,03	up
5743938	7331954	1700449	type II keratin Kb23	Kb23	407759	2,46	up
5932727	7331954	1700443	type II keratin Kb23	Kb23	407759	1,43	down
6657430	7331954	1700441	type II keratin Kb23	Kb23	407759	1,40	down
6006257	7331954	1700450	type II keratin Kb23	Kb23	407759	1,39	up
6280884	7331954	1700441	type II keratin Kb23	Kb23	407759	1,21	down
5782653	7331954	1700447	type II keratin Kb23	Kb23	407759	1,17	down
5925150	7331954	1700446	type II keratin Kb23	Kb23	407759	1,14	up
6456352	7331954	1700450	type II keratin Kb23	Kb23	407759	1,10	up
6117155	7331954	1700441	type II keratin Kb23	Kb23	407759	1,07	down
5883849	7331954	1700448	type II keratin Kb23	Kb23	407759	1,03	up
5747459	7331954	1700445	type II keratin Kb23	Kb23	407759	1,01	down

6388471	7331954	1700442	type II keratin Kb23	Kb23	407759	1,01	down
6553569	7331954	1700444	type II keratin Kb23	Kb23	407759	1,00	down
6689524	7030451	961535	Tyro protein tyrosine kinase binding protein	Tyrobp	361537	3,43	up
6159131	7030451	961536	Tyro protein tyrosine kinase binding protein	Tyrobp	361537	1,72	down
6124796	7030451	961538	Tyro protein tyrosine kinase binding protein	Tyrobp	361537	1,14	up
5913437	7030451	961539	Tyro protein tyrosine kinase binding protein	Tyrobp	361537	1,14	up
6247021	7030451	961537	Tyro protein tyrosine kinase binding protein	Tyrobp	361537	1,13	down
6010063	7030451	961539	Tyro protein tyrosine kinase binding protein	Tyrobp	361537	1,11	up
6502641	7290463	1597950	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	2,20	down
6013233	7290463	1597949	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,87	up
6704244	7290463	1597945	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,67	up
6215872	7290463	1597955	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,39	down
6202928	7290463	1597936	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,37	down
6196299	7290463	1597952	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,34	up
6740674	7290463	1597951	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,33	down
6675218	7290463	1597951	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,26	up
5978243	7290463	1597938	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,22	down
6566831	7290463	1597942	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,22	down
5735162	7290463	1597948	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,21	up
5681043	7290463	1597941	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,20	up
6644431	7290463	1597943	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,19	up
6316371	7290463	1597933	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,17	down
6665200	7290463	1597937	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,15	down
6498736	7290463	1597954	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,14	down
6672414	7290463	1597946	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,13	down
6261440	7290463	1597956	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,12	up
6097790	7290463	1597935	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,11	down
6334964	7290463	1597945	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,08	up
6348820	7290463	1597945	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,06	down
5736993	7290463	1597945	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,05	up
6165243	7290463	1597934	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,05	down
6121207	7290463	1597941	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,03	up
6006515	7290463	1597944	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,01	down
6676056	7290463	1597933	tyrosine kinase with immunoglobulin-like and EGF-like domains 1	Tiel	89806	1,01	down
6155061	7079236	1077789	tyrosine kinase, non-receptor, 1	Tnk1	303247	2,15	up
6356983	7079236	1077788	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,55	down
6358011	7079236	1077786	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,25	up
6712394	7079236	1077783	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,22	down
6218414	7079236	1077782	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,20	up
6459018	7079236	1077787	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,17	up
5899686	7079236	1077784	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,15	down
5943648	7079236	1077785	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,14	down
6102109	7079236	1077781	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,13	up
5652643	7079236	1077782	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,12	up
6237212	7079236	1077790	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,10	down
5767072	7079236	1077791	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,10	down
6419294	7079236	1077787	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,10	up
5889043	7079236	1077780	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,07	up
5973485	7079236	1077782	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,06	up
6609540	7079236	1077782	tyrosine kinase, non-receptor, 1	Tnk1	303247	1,00	up
6141975	7279810	1572574	tyrosyl-tRNA synthetase	Yars	313047	1,59	down
6061860	7279810	1572575	tyrosyl-tRNA synthetase	Yars	313047	1,34	up
6745750	7279810	1572580	tyrosyl-tRNA synthetase	Yars	313047	1,16	up
6493366	7279810	1572583	tyrosyl-tRNA synthetase	Yars	313047	1,12	down
6053412	7279810	1572589	tyrosyl-tRNA synthetase	Yars	313047	1,12	up
5692089	7279810	1572586	tyrosyl-tRNA synthetase	Yars	313047	1,11	up
6251309	7279810	1572577	tyrosyl-tRNA synthetase	Yars	313047	1,08	up

6250164	7279810	1572591	tyrosyl-tRNA synthetase	Yars	313047	1,08	up
6412917	7279810	1572591	tyrosyl-tRNA synthetase	Yars	313047	1,08	down
6278087	7279810	1572582	tyrosyl-tRNA synthetase	Yars	313047	1,06	down
6245243	7279810	1572584	tyrosyl-tRNA synthetase	Yars	313047	1,03	down
5726359	7279810	1572576	tyrosyl-tRNA synthetase	Yars	313047	1,01	down
6065573	7279810	1572590	tyrosyl-tRNA synthetase	Yars	313047	1,01	down
6271384	7279810	1572581	tyrosyl-tRNA synthetase	Yars	313047	1,00	up
6004528	7096461	1118253	ubiquitin specific peptidase 12	Usp12	360763	1,16	up
5876795	7096461	1118254	ubiquitin specific peptidase 12	Usp12	360763	1,06	down
6577891	7226109	1437358	ubiquitin specific peptidase 20	Usp20	311856	2,26	down
6044050	7226109	1437355	ubiquitin specific peptidase 20	Usp20	311856	1,27	down
6634310	7226109	1437384	ubiquitin specific peptidase 20	Usp20	311856	1,25	up
6363485	7226109	1437376	ubiquitin specific peptidase 20	Usp20	311856	1,25	up
5994943	7226109	1437370	ubiquitin specific peptidase 20	Usp20	311856	1,24	down
6449645	7226109	1437373	ubiquitin specific peptidase 20	Usp20	311856	1,22	up
6039696	7226109	1437372	ubiquitin specific peptidase 20	Usp20	311856	1,22	down
5753599	7226109	1437359	ubiquitin specific peptidase 20	Usp20	311856	1,19	up
6221292	7226109	1437384	ubiquitin specific peptidase 20	Usp20	311856	1,19	down
5735116	7226109	1437366	ubiquitin specific peptidase 20	Usp20	311856	1,18	down
6002841	7226109	1437363	ubiquitin specific peptidase 20	Usp20	311856	1,16	up
5726596	7226109	1437364	ubiquitin specific peptidase 20	Usp20	311856	1,16	up
6520110	7226109	1437371	ubiquitin specific peptidase 20	Usp20	311856	1,15	up
5626085	7226109	1437375	ubiquitin specific peptidase 20	Usp20	311856	1,14	down
6116365	7226109	1437380	ubiquitin specific peptidase 20	Usp20	311856	1,10	down
5650908	7226109	1437365	ubiquitin specific peptidase 20	Usp20	311856	1,10	down
6404312	7226109	1437379	ubiquitin specific peptidase 20	Usp20	311856	1,08	up
5711135	7226109	1437364	ubiquitin specific peptidase 20	Usp20	311856	1,06	up
6002107	7226109	1437382	ubiquitin specific peptidase 20	Usp20	311856	1,05	up
6415542	7226109	1437377	ubiquitin specific peptidase 20	Usp20	311856	1,04	down
6187701	7226109	1437369	ubiquitin specific peptidase 20	Usp20	311856	1,04	up
5837543	7226109	1437383	ubiquitin specific peptidase 20	Usp20	311856	1,03	up
6065453	7226109	1437381	ubiquitin specific peptidase 20	Usp20	311856	1,02	up
6276971	7226109	1437360	ubiquitin specific peptidase 20	Usp20	311856	1,02	up
6006975	7226109	1437368	ubiquitin specific peptidase 20	Usp20	311856	1,02	down
6295151	7226109	1437378	ubiquitin specific peptidase 20	Usp20	311856	1,01	down
6010935	7226109	1437362	ubiquitin specific peptidase 20	Usp20	311856	1,01	down
5701893	7086044	1092909	ubiquitin specific peptidase 25	Usp25	304150	1,91	down
5963834	7086044	1092917	ubiquitin specific peptidase 25	Usp25	304150	1,73	up
6730551	7086044	1092950	ubiquitin specific peptidase 25	Usp25	304150	1,68	down
5730935	7086044	1092947	ubiquitin specific peptidase 25	Usp25	304150	1,67	up
6130909	7086044	1092933	ubiquitin specific peptidase 25	Usp25	304150	1,64	up
5866959	7086044	1092948	ubiquitin specific peptidase 25	Usp25	304150	1,60	up
5694944	7086044	1092928	ubiquitin specific peptidase 25	Usp25	304150	1,51	up
6064182	7086044	1092934	ubiquitin specific peptidase 25	Usp25	304150	1,47	up
6497954	7086044	1092944	ubiquitin specific peptidase 25	Usp25	304150	1,46	down
6412257	7086044	1092915	ubiquitin specific peptidase 25	Usp25	304150	1,43	down
5720205	7086044	1092925	ubiquitin specific peptidase 25	Usp25	304150	1,40	down
5733128	7086044	1092943	ubiquitin specific peptidase 25	Usp25	304150	1,30	down
5878857	7086044	1092918	ubiquitin specific peptidase 25	Usp25	304150	1,30	up
6122600	7086044	1092914	ubiquitin specific peptidase 25	Usp25	304150	1,28	up
6035362	7086044	1092921	ubiquitin specific peptidase 25	Usp25	304150	1,23	up
6347585	7086044	1092932	ubiquitin specific peptidase 25	Usp25	304150	1,21	up
6414547	7086044	1092942	ubiquitin specific peptidase 25	Usp25	304150	1,15	up
6400264	7086044	1092931	ubiquitin specific peptidase 25	Usp25	304150	1,13	up
6314125	7086044	1092936	ubiquitin specific peptidase 25	Usp25	304150	1,13	down
6583374	7086044	1092931	ubiquitin specific peptidase 25	Usp25	304150	1,13	up
5737319	7086044	1092949	ubiquitin specific peptidase 25	Usp25	304150	1,12	up

6099736	7086044	1092922	ubiquitin specific peptidase 25	Usp25	304150	1,10	down
5833989	7086044	1092929	ubiquitin specific peptidase 25	Usp25	304150	1,09	up
6724324	7086044	1092949	ubiquitin specific peptidase 25	Usp25	304150	1,09	down
5890075	7086044	1092930	ubiquitin specific peptidase 25	Usp25	304150	1,08	down
6278970	7086044	1092928	ubiquitin specific peptidase 25	Usp25	304150	1,07	up
6509990	7086044	1092935	ubiquitin specific peptidase 25	Usp25	304150	1,02	down
6558953	7086044	1092920	ubiquitin specific peptidase 25	Usp25	304150	1,02	up
6319560	7335903	1709276	ubiquitin specific peptidase 28	Usp28	315639	1,88	up
6169356	7335903	1709280	ubiquitin specific peptidase 28	Usp28	315639	1,67	down
6560917	7335903	1709295	ubiquitin specific peptidase 28	Usp28	315639	1,58	up
5736084	7335903	1709294	ubiquitin specific peptidase 28	Usp28	315639	1,50	up
6715743	7335903	1709292	ubiquitin specific peptidase 28	Usp28	315639	1,47	up
6261473	7335903	1709288	ubiquitin specific peptidase 28	Usp28	315639	1,47	down
6143335	7335903	1709270	ubiquitin specific peptidase 28	Usp28	315639	1,40	down
6150501	7335903	1709285	ubiquitin specific peptidase 28	Usp28	315639	1,40	down
6199091	7335903	1709281	ubiquitin specific peptidase 28	Usp28	315639	1,32	up
5904138	7335903	1709290	ubiquitin specific peptidase 28	Usp28	315639	1,31	up
6302594	7335903	1709277	ubiquitin specific peptidase 28	Usp28	315639	1,31	down
5750051	7335903	1709295	ubiquitin specific peptidase 28	Usp28	315639	1,29	down
5944186	7335903	1709274	ubiquitin specific peptidase 28	Usp28	315639	1,28	up
5956933	7335903	1709282	ubiquitin specific peptidase 28	Usp28	315639	1,27	down
5639562	7335903	1709284	ubiquitin specific peptidase 28	Usp28	315639	1,25	down
6612397	7335903	1709293	ubiquitin specific peptidase 28	Usp28	315639	1,20	up
6635276	7335903	1709275	ubiquitin specific peptidase 28	Usp28	315639	1,19	up
5913960	7335903	1709285	ubiquitin specific peptidase 28	Usp28	315639	1,19	down
6518977	7335903	1709282	ubiquitin specific peptidase 28	Usp28	315639	1,18	down
6396636	7335903	1709272	ubiquitin specific peptidase 28	Usp28	315639	1,18	down
5762936	7335903	1709283	ubiquitin specific peptidase 28	Usp28	315639	1,14	up
6495909	7335903	1709277	ubiquitin specific peptidase 28	Usp28	315639	1,14	up
6377163	7335903	1709278	ubiquitin specific peptidase 28	Usp28	315639	1,11	up
5837606	7335903	1709269	ubiquitin specific peptidase 28	Usp28	315639	1,08	up
6297493	7335903	1709279	ubiquitin specific peptidase 28	Usp28	315639	1,06	up
6010889	7335903	1709286	ubiquitin specific peptidase 28	Usp28	315639	1,03	up
6664733	7335903	1709291	ubiquitin specific peptidase 28	Usp28	315639	1,03	down
6314839	7335903	1709273	ubiquitin specific peptidase 28	Usp28	315639	1,02	down
6275816	7180151	1325192	ubiquitin specific peptidase 38	Usp38	307764	2,05	up
6375971	7180151	1325198	ubiquitin specific peptidase 38	Usp38	307764	1,44	up
6141185	7180151	1325203	ubiquitin specific peptidase 38	Usp38	307764	1,31	down
5877517	7180151	1325195	ubiquitin specific peptidase 38	Usp38	307764	1,31	up
5961757	7180151	1325203	ubiquitin specific peptidase 38	Usp38	307764	1,14	up
6509220	7180151	1325192	ubiquitin specific peptidase 38	Usp38	307764	1,12	down
6533385	7180151	1325193	ubiquitin specific peptidase 38	Usp38	307764	1,10	up
5948060	7180151	1325203	ubiquitin specific peptidase 38	Usp38	307764	1,09	down
6526566	7180151	1325196	ubiquitin specific peptidase 38	Usp38	307764	1,07	down
5763747	7180151	1325192	ubiquitin specific peptidase 38	Usp38	307764	1,06	down
6458662	7180151	1325194	ubiquitin specific peptidase 38	Usp38	307764	1,06	up
6309196	7180151	1325197	ubiquitin specific peptidase 38	Usp38	307764	1,02	down
6414619	7180151	1325200	ubiquitin specific peptidase 38	Usp38	307764	1,01	up
5904084	7099973	1127543	ubiquitin specific peptidase like 1	Usp11	288447	2,00	up
5805323	7099973	1127534	ubiquitin specific peptidase like 1	Usp11	288447	1,43	down
6293075	7099973	1127542	ubiquitin specific peptidase like 1	Usp11	288447	1,42	down
6575869	7099973	1127540	ubiquitin specific peptidase like 1	Usp11	288447	1,28	up
6502857	7099973	1127537	ubiquitin specific peptidase like 1	Usp11	288447	1,27	up
6012274	7099973	1127535	ubiquitin specific peptidase like 1	Usp11	288447	1,19	down
6020137	7099973	1127541	ubiquitin specific peptidase like 1	Usp11	288447	1,16	up
6502364	7099973	1127535	ubiquitin specific peptidase like 1	Usp11	288447	1,10	down
5677400	7099973	1127538	ubiquitin specific peptidase like 1	Usp11	288447	1,09	down

5826192	7099973	1127536	ubiquitin specific peptidase like 1	Usp11	288447	1,08	up
6642904	7099973	1127540	ubiquitin specific peptidase like 1	Usp11	288447	1,08	up
6383661	7099973	1127539	ubiquitin specific peptidase like 1	Usp11	288447	1,07	down
5666162	7099973	1127535	ubiquitin specific peptidase like 1	Usp11	288447	1,02	down
6596992	7192914	1357829	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,63	up
5827503	7192914	1357829	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,55	down
6205407	7192914	1357821	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,41	up
5838796	7192914	1357801	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,31	down
5705411	7192914	1357823	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,28	up
5664548	7192914	1357794	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,28	down
5647643	7192914	1357815	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,26	up
6144521	7192914	1357829	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,24	up
5976487	7192914	1357830	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,23	up
5654490	7192914	1357809	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,22	down
5902906	7192914	1357793	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,20	down
5623864	7192914	1357813	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,20	down
6162617	7192914	1357820	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,20	up
6001306	7192914	1357786	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,14	down
6626115	7192914	1357827	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,13	up
5706881	7192914	1357806	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,12	up
5812484	7192914	1357802	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,12	up
5982819	7192914	1357785	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,10	up
6181700	7192914	1357828	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,09	down
5981054	7192914	1357810	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,08	down
6652288	7192914	1357811	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,08	down
6662234	7192914	1357814	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,07	down
6042968	7192914	1357797	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,05	down
5669121	7192914	1357826	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,04	down
6368787	7192914	1357809	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,03	down
6320957	7192914	1357824	ubiquitin specific protease 13 (isopeptidase T-3)	Usp13	310306	1,01	down
6371117	7078815	1076997	ubiquitin specific protease 43	rCG_32844	100147704	2,01	down
5738103	7078815	1076977	ubiquitin specific protease 43	rCG_32844	100147704	2,00	up
6164271	7078815	1076977	ubiquitin specific protease 43	rCG_32844	100147704	1,58	up
5658868	7078815	1076996	ubiquitin specific protease 43	rCG_32844	100147704	1,52	up
6299826	7078815	1076975	ubiquitin specific protease 43	rCG_32844	100147704	1,51	up
5617971	7078815	1076991	ubiquitin specific protease 43	rCG_32844	100147704	1,48	up
6307404	7078815	1076988	ubiquitin specific protease 43	rCG_32844	100147704	1,42	down
6044777	7078815	1076985	ubiquitin specific protease 43	rCG_32844	100147704	1,33	down
6523596	7078815	1076976	ubiquitin specific protease 43	rCG_32844	100147704	1,27	up
5645829	7078815	1076991	ubiquitin specific protease 43	rCG_32844	100147704	1,22	down
5697623	7078815	1076977	ubiquitin specific protease 43	rCG_32844	100147704	1,20	up
6496872	7078815	1076989	ubiquitin specific protease 43	rCG_32844	100147704	1,13	up
6348534	7078815	1076992	ubiquitin specific protease 43	rCG_32844	100147704	1,13	up
5746177	7078815	1076988	ubiquitin specific protease 43	rCG_32844	100147704	1,11	up
5850287	7078815	1076983	ubiquitin specific protease 43	rCG_32844	100147704	1,10	down
5933183	7078815	1076997	ubiquitin specific protease 43	rCG_32844	100147704	1,09	down
5794669	7078815	1076979	ubiquitin specific protease 43	rCG_32844	100147704	1,08	down
6682139	7078815	1076990	ubiquitin specific protease 43	rCG_32844	100147704	1,06	up
6560202	7078815	1076984	ubiquitin specific protease 43	rCG_32844	100147704	1,06	up
6366509	7078815	1076977	ubiquitin specific protease 43	rCG_32844	100147704	1,06	down
6054392	7078815	1076995	ubiquitin specific protease 43	rCG_32844	100147704	1,04	down
5840713	7078815	1076986	ubiquitin specific protease 43	rCG_32844	100147704	1,03	down
6393090	7078815	1076980	ubiquitin specific protease 43	rCG_32844	100147704	1,03	down
6140811	7078815	1076993	ubiquitin specific protease 43	rCG_32844	100147704	1,02	up
6300256	7078815	1076983	ubiquitin specific protease 43	rCG_32844	100147704	1,01	down
6133750	7378941	1818453	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	2,31	down
6366583	7378941	1818455	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,64	up

6504877	7378941	1818452	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,42	up
6272102	7378941	1818448	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,16	up
6119878	7378941	1818451	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,15	down
5886537	7378941	1818450	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,14	up
6252549	7378941	1818454	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,12	down
5835365	7378941	1818449	ubiquitin-conjugating enzyme E2A, RAD6 homolog (S. cerevisiae)	Ube2a	298317	1,04	up
6092259	7235323	1461551	ubiquitin-conjugating enzyme E2C	Ube2c	296368	3,64	up
6440845	7235323	1461556	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,78	up
5913641	7235323	1461555	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,38	down
5934090	7235323	1461551	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,30	down
6095663	7235323	1461553	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,10	down
6047393	7235323	1461552	ubiquitin-conjugating enzyme E2C	Ube2c	296368	1,06	down
6431367	7076631	1072326	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	2,22	down
6315925	7076631	1072323	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,95	up
6425432	7076631	1072327	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,64	up
6248216	7076631	1072325	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,60	up
6090099	7076631	1072327	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,29	down
5717484	7076631	1072318	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,27	up
6450768	7076631	1072324	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,23	down
5920116	7076631	1072318	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,21	down
5969850	7076631	1072327	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,20	down
6339555	7076631	1072320	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,14	down
6116220	7076631	1072322	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,12	down
5660587	7076631	1072324	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,09	down
5778009	7076631	1072319	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,05	down
6605114	7076631	1072321	ubiquitin-like domain containing CTD phosphatase 1	Ublcp1	360514	1,02	down
5932463	7267685	1541310	ubiquitin-like modifier activating enzyme 3	Uba3	117553	2,53	down
5984080	7267685	1541312	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,42	up
6299650	7267685	1541321	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,36	down
6746354	7267685	1541308	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,35	up
6239487	7267685	1541319	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,33	down
6042970	7267685	1541316	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,27	up
6233139	7267685	1541318	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,21	down
5788343	7267685	1541311	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,21	up
6635842	7267685	1541309	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,20	down
5937027	7267685	1541315	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,20	down
5761435	7267685	1541307	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,19	down
6028724	7267685	1541320	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,09	up
5804184	7267685	1541306	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,09	down
6113319	7267685	1541313	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,09	down
6050531	7267685	1541305	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,05	down
5639646	7267685	1541317	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,04	up
6696857	7267685	1541314	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,02	up
6309114	7267685	1541305	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,02	down
6367212	7267685	1541322	ubiquitin-like modifier activating enzyme 3	Uba3	117553	1,01	down
6666535	7340304	1720848	ubiquitin-like modifier activating enzyme 7	Uba7	301000	3,36	up
5762888	7340304	1720844	ubiquitin-like modifier activating enzyme 7	Uba7	301000	3,07	up
5741493	7340304	1720851	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,86	up
6321353	7340304	1720843	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,75	up
6476537	7340304	1720845	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,72	up
6490556	7340304	1720850	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,56	up
6449810	7340304	1720847	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,46	up
6361677	7340304	1720852	ubiquitin-like modifier activating enzyme 7	Uba7	301000	2,08	up
5771507	7340304	1720851	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,93	up
6570080	7340304	1720851	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,91	up
5775485	7340304	1720853	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,85	up
6587227	7340304	1720842	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,84	up

5764792	7340304	1720840	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,83	down
6373978	7340304	1720841	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,62	up
6093628	7340304	1720857	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,54	down
5880274	7340304	1720840	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,53	down
6177392	7340304	1720853	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,44	up
6722789	7340304	1720854	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,35	up
6092880	7340304	1720855	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,27	up
6031571	7340304	1720849	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,09	up
5678623	7340304	1720856	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,05	down
5718772	7340304	1720858	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,05	up
6463325	7340304	1720840	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,04	up
5685950	7340304	1720859	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,04	down
5797751	7340304	1720841	ubiquitin-like modifier activating enzyme 7	Uba7	301000	1,02	up
5776649	7370448	1797037	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	2,14	down
5747292	7370448	1797034	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,73	up
6490782	7370448	1797026	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,41	up
6735548	7370448	1797031	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,33	down
6384074	7370448	1797032	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,32	up
6501621	7370448	1797042	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,32	down
6265228	7370448	1797035	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,32	down
6151753	7370448	1797023	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,27	down
6438867	7370448	1797025	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,27	down
6729550	7370448	1797024	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,24	down
6588581	7370448	1797028	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,24	up
5957425	7370448	1797033	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,23	up
5658590	7370448	1797027	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,23	down
6487584	7370448	1797044	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,22	up
6121275	7370448	1797036	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,18	down
5769919	7370448	1797029	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,14	down
6368820	7370448	1797030	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,10	down
5669651	7370448	1797023	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,07	up
5863013	7370448	1797041	ubiquitin-like with PHD and ring finger domains 1	Uhrf1	316129	1,03	down
6624961	7041140	988273	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,47	down
6211374	7041140	988290	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,31	down
6535903	7041140	988294	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,26	up
6534498	7041140	988286	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,13	down
6181994	7041140	988266	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,11	down
6280262	7041140	988288	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,11	down
6737893	7041140	988271	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,09	up
6370255	7041140	988287	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,08	down
5874380	7041140	988276	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,07	up
5790944	7041140	988281	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,07	down
6228230	7041140	988267	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,05	down
5751981	7041140	988266	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,05	up
5751064	7041140	988275	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,05	up
6280042	7041140	988294	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,05	down
5636220	7041140	988274	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,04	up
6499202	7041140	988272	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,03	up
6732658	7041140	988292	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,03	up
6115961	7041140	988286	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,03	down
6121335	7041140	988287	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,02	down
6639094	7041140	988271	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,02	up
6646764	7041140	988268	ubiquitin-like with PHD and ring finger domains 2	Uhrf2	309331	1,00	up
5764713	7292372	1602162	UBX domain containing 3	Ubx3	298577	2,31	down
6206228	7292372	1602162	UBX domain containing 3	Ubx3	298577	1,60	up
5783541	7292372	1602162	UBX domain containing 3	Ubx3	298577	1,35	up
5882222	7292372	1602162	UBX domain containing 3	Ubx3	298577	1,24	up

6351465	7292372	1602162	UBX domain containing 3	Ubx3	298577	1,08	down
6507524	7280362	1573675	UBX domain protein 11	Ubx11	192207	2,67	up
6140236	7280362	1573674	UBX domain protein 11	Ubx11	192207	1,59	up
5947333	7280362	1573686	UBX domain protein 11	Ubx11	192207	1,55	up
6168172	7280362	1573673	UBX domain protein 11	Ubx11	192207	1,40	down
6176502	7280362	1573680	UBX domain protein 11	Ubx11	192207	1,37	down
6197195	7280362	1573683	UBX domain protein 11	Ubx11	192207	1,36	up
6070207	7280362	1573681	UBX domain protein 11	Ubx11	192207	1,35	down
6180098	7280362	1573682	UBX domain protein 11	Ubx11	192207	1,19	down
5802178	7280362	1573676	UBX domain protein 11	Ubx11	192207	1,19	down
6351259	7280362	1573672	UBX domain protein 11	Ubx11	192207	1,15	down
6725758	7280362	1573673	UBX domain protein 11	Ubx11	192207	1,15	down
6427706	7280362	1573679	UBX domain protein 11	Ubx11	192207	1,14	up
6040154	7280362	1573685	UBX domain protein 11	Ubx11	192207	1,12	down
6391116	7280362	1573677	UBX domain protein 11	Ubx11	192207	1,09	up
6663742	7280362	1573684	UBX domain protein 11	Ubx11	192207	1,07	up
6148515	7280362	1573678	UBX domain protein 11	Ubx11	192207	1,05	down
6726627	7280362	1573673	UBX domain protein 11	Ubx11	192207	1,05	up
6295705	7272431	1553897	UBX domain protein 2B	Ubx2b	312965	2,00	down
6249329	7272431	1553896	UBX domain protein 2B	Ubx2b	312965	1,46	up
6607464	7272431	1553890	UBX domain protein 2B	Ubx2b	312965	1,35	up
6264452	7272431	1553894	UBX domain protein 2B	Ubx2b	312965	1,26	up
6463349	7272431	1553900	UBX domain protein 2B	Ubx2b	312965	1,24	down
6633325	7272431	1553898	UBX domain protein 2B	Ubx2b	312965	1,21	up
6175717	7272431	1553900	UBX domain protein 2B	Ubx2b	312965	1,11	down
5759062	7272431	1553899	UBX domain protein 2B	Ubx2b	312965	1,04	up
5967111	7272431	1553895	UBX domain protein 2B	Ubx2b	312965	1,00	up
5628239	7368005	1789338	UBX domain protein 6	Ubx6	363332	3,07	down
5696179	7368005	1789344	UBX domain protein 6	Ubx6	363332	2,25	up
6314174	7368005	1789338	UBX domain protein 6	Ubx6	363332	1,54	down
6097914	7368005	1789342	UBX domain protein 6	Ubx6	363332	1,24	up
6281723	7368005	1789343	UBX domain protein 6	Ubx6	363332	1,17	down
5906758	7368005	1789340	UBX domain protein 6	Ubx6	363332	1,16	up
6613139	7368005	1789342	UBX domain protein 6	Ubx6	363332	1,10	down
6468601	7368005	1789342	UBX domain protein 6	Ubx6	363332	1,09	up
6735288	7368005	1789344	UBX domain protein 6	Ubx6	363332	1,07	up
6312450	7368005	1789342	UBX domain protein 6	Ubx6	363332	1,06	up
6560907	7368005	1789343	UBX domain protein 6	Ubx6	363332	1,06	down
6297281	7368005	1789337	UBX domain protein 6	Ubx6	363332	1,03	down
6479313	7384904	1831597	UCHL5 interacting protein	Uchl5ip	293844	1,96	down
6656600	7384904	1831599	UCHL5 interacting protein	Uchl5ip	293844	1,84	down
6522205	7384904	1831596	UCHL5 interacting protein	Uchl5ip	293844	1,66	up
6335668	7384904	1831600	UCHL5 interacting protein	Uchl5ip	293844	1,56	down
6638181	7384904	1831602	UCHL5 interacting protein	Uchl5ip	293844	1,53	up
6263344	7384904	1831601	UCHL5 interacting protein	Uchl5ip	293844	1,52	down
5948237	7384904	1831604	UCHL5 interacting protein	Uchl5ip	293844	1,49	up
6340090	7384904	1831599	UCHL5 interacting protein	Uchl5ip	293844	1,41	up
5844587	7384904	1831596	UCHL5 interacting protein	Uchl5ip	293844	1,27	up
6247412	7384904	1831606	UCHL5 interacting protein	Uchl5ip	293844	1,11	down
6110791	7384904	1831605	UCHL5 interacting protein	Uchl5ip	293844	1,10	up
6608393	7384904	1831600	UCHL5 interacting protein	Uchl5ip	293844	1,09	down
6362254	7384904	1831608	UCHL5 interacting protein	Uchl5ip	293844	1,08	down
5955009	7384904	1831600	UCHL5 interacting protein	Uchl5ip	293844	1,07	down
6521748	7384904	1831608	UCHL5 interacting protein	Uchl5ip	293844	1,06	down
5872701	7357340	1762946	UDP glucuronosyltransferase 1 family, polypeptide A1	Ugt1a1	24861	1,13	up
6542604	7357340	1762945	UDP glucuronosyltransferase 1 family, polypeptide A2	Ugt1a2	396527	2,26	up
6712589	7357340	1762943	UDP glucuronosyltransferase 1 family, polypeptide A5	Ugt1a5	574523	1,87	up

6164896	7357340	1762943	UDP glucuronosyltransferase 1 family, polypeptide A5	Ugt1a5	574523	1,20	up
6443473	7357340	1762940	UDP glucuronosyltransferase 1 family, polypeptide A6	Ugt1a6	113992	2,02	up
6355532	7357340	1762942	UDP glucuronosyltransferase 1 family, polypeptide A6	Ugt1a6	113992	1,31	up
6043693	7357340	1762941	UDP glucuronosyltransferase 1 family, polypeptide A6	Ugt1a6	113992	1,05	up
6347739	7357340	1762939	UDP glucuronosyltransferase 1 family, polypeptide A7C	Ugt1a7c	154516	1,29	down
6098319	7357340	1762939	UDP glucuronosyltransferase 1 family, polypeptide A7C	Ugt1a7c	154516	1,24	down
6616404	7357340	1762939	UDP glucuronosyltransferase 1 family, polypeptide A7C	Ugt1a7c	154516	1,09	down
5984785	7357340	1762938	UDP glucuronosyltransferase 1 family, polypeptide A7C	Ugt1a7c	154516	1,01	up
5784510	7357340	1762949	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,55	down
6199925	7357340	1762949	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,24	down
5705105	7357340	1762951	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,24	up
6612719	7357340	1762947	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,06	down
6087960	7357340	1762950	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,06	up
6354227	7357340	1762950	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,05	down
6113549	7357340	1762948	UDP glucuronosyltransferase 1 family, polypeptide A7C /// UDP glucuronosyltransferase 1 family, p/	Ugt1a2 /// Ugt1a3396527 /// 396551 /		1,02	up
6556831	7357340	1762936	UDP glucuronosyltransferase 1 family, polypeptide A9	Ugt1a9	396552	1,41	down
5842001	7357340	1762936	UDP glucuronosyltransferase 1 family, polypeptide A9	Ugt1a9	396552	1,07	up
6727683	7357340	1762944	UDP glycosyltransferase 1 family polypeptide A3	Ugt1a3	396551	1,61	up
5760100	7357340	1762944	UDP glycosyltransferase 1 family polypeptide A3	Ugt1a3	396551	1,33	up
6123011	7357340	1762944	UDP glycosyltransferase 1 family polypeptide A3	Ugt1a3	396551	1,24	up
6252226	7357340	1762944	UDP glycosyltransferase 1 family polypeptide A3	Ugt1a3	396551	1,14	down
6143895	7357340	1762944	UDP glycosyltransferase 1 family polypeptide A3	Ugt1a3	396551	1,10	up
5954273	7357340	1762937	UDP glycosyltransferase 1 family, polypeptide A8	Ugt1a8	301595	1,45	down
5643634	7357340	1762937	UDP glycosyltransferase 1 family, polypeptide A8	Ugt1a8	301595	1,38	down
6216910	7357340	1762937	UDP glycosyltransferase 1 family, polypeptide A8	Ugt1a8	301595	1,12	down
6388271	7357340	1762937	UDP glycosyltransferase 1 family, polypeptide A8	Ugt1a8	301595	1,05	down
6559949	7357340	1762937	UDP glycosyltransferase 1 family, polypeptide A8	Ugt1a8	301595	1,02	down
6091468	7105894	1142036	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	4,62	up
5768759	7105894	1142035	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,55	up
6169942	7105894	1142034	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,53	down
5970748	7105894	1142033	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,16	down
6308290	7105894	1142034	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 2	B3galt2	686081	1,10	down
6165967	7217032	1415247	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	2,66	down
6213561	7217032	1415247	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	1,59	up
6035002	7217032	1415247	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	1,46	down
6098502	7217032	1415247	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	1,26	up
6527398	7217032	1415248	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	1,15	up
6361017	7217032	1415247	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	1,06	down
5764040	7217032	1415248	UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 4	B3galt4	171079	1,00	up
6070418	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	2,10	down
6390971	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	2,04	up
6228494	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	2,03	down
5773265	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,76	down
6139872	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,52	down
5765881	7285239	1585496	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,52	down
6563495	7285239	1585485	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,45	down
5745930	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,39	up
5721847	7285239	1585487	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,31	up
5651374	7285239	1585485	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,26	up
6056699	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,23	up
6293463	7285239	1585481	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,15	up
5735907	7285239	1585483	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,09	down
6573681	7285239	1585495	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,03	down
5948832	7285239	1585479	UDP-Gal:betaGlcNAc beta 1,4- galactosyltransferase, polypeptide 1	B4galt1	24390	1,02	up
6428464	7370484	1797179	UDP-glucuronate decarboxylase 1	Uxs1	246232	2,96	up
6091180	7370484	1797169	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,52	down
6631690	7370484	1797163	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,40	up

5957985	7370484	1797160	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,40	up
6669070	7370484	1797166	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,36	up
6738982	7370484	1797171	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,19	down
6377954	7370484	1797173	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,15	down
6274130	7370484	1797179	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,14	down
6050989	7370484	1797160	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,14	up
6006124	7370484	1797168	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,13	down
6113820	7370484	1797161	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,10	up
5677972	7370484	1797162	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,05	down
6567284	7370484	1797167	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,04	down
5932143	7370484	1797170	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,03	down
5718376	7370484	1797164	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,03	up
6182817	7370484	1797172	UDP-glucuronate decarboxylase 1	Uxs1	246232	1,02	up
6158982	7227517	1441295	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	2,65	down
5956694	7227517	1441297	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,62	up
6733574	7227517	1441298	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,61	down
6308439	7227517	1441290	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,36	up
5985085	7227517	1441294	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,32	down
5949093	7227517	1441300	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,28	up
6246054	7227517	1441289	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,27	up
6160948	7227517	1441297	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,26	up
6547129	7227517	1441291	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,14	down
5979734	7227517	1441296	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,12	up
6474995	7227517	1441292	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,10	up
5841530	7227517	1441293	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,08	down
5720232	7227517	1441299	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,06	down
5689290	7227517	1441289	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 13 (GalNAc-T	Galnt13	311039	1,03	down
6467086	7295359	1609508	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	2,04	down
6683778	7295359	1609511	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,63	up
5633470	7295359	1609507	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,60	down
6538334	7295359	1609510	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,57	up
6523179	7295359	1609498	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,51	down
5951180	7295359	1609497	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,50	down
6055773	7295359	1609503	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,34	down
6332665	7295359	1609509	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,31	up
6738092	7295359	1609505	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,28	up
5985089	7295359	1609496	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,26	up
5766424	7295359	1609496	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,26	up
6127887	7295359	1609506	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,23	down
5985000	7295359	1609502	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,19	down
6431820	7295359	1609510	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,17	up
6118018	7295359	1609504	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,11	down
6473964	7295359	1609511	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,11	down
5672181	7295359	1609501	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,11	up
6409525	7295359	1609511	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,04	down
5700789	7295359	1609499	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,02	up
6638160	7295359	1609500	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 14 (GalNAc-T	Galnt14	313878	1,00	down
6343756	7182000	1330450	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	2,04	up
6615911	7182000	1330433	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,38	down
6443157	7182000	1330432	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,33	up
5971496	7182000	1330447	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,25	down
5803357	7182000	1330445	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,25	up
6133081	7182000	1330434	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,23	down
5867621	7182000	1330420	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,18	down
6081533	7182000	1330441	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,14	down
6096248	7182000	1330450	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,12	up
6653065	7182000	1330443	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2,	Galnt2	292090	1,12	up

5708571	7182000	1330449	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,11	up
6211446	7182000	1330444	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,10	up
5636938	7182000	1330448	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,09	down
6365296	7182000	1330449	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,06	down
6051123	7182000	1330439	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,04	up
6513409	7182000	1330442	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,04	down
5835724	7182000	1330440	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,03	down
6130224	7182000	1330449	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,02	up
6482248	7182000	1330424	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 2 (GalNAc-T2)	Galnt2	292090	1,00	up
5816905	7227688	1441606	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	2,89	up
6040931	7227688	1441610	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	2,06	down
6246424	7227688	1441608	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,64	down
6628273	7227688	1441605	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,59	up
6030905	7227688	1441608	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,49	down
6080081	7227688	1441604	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,47	up
6324431	7227688	1441602	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,33	down
5989622	7227688	1441607	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,33	up
6480665	7227688	1441611	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,24	down
6328661	7227688	1441602	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,22	up
5949780	7227688	1441609	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,20	down
5853091	7227688	1441603	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,17	up
6486174	7227688	1441612	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 5 (GalNAc-T5)	Galnt5	83627	1,06	up
5851628	7103310	1135892	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	3,58	down
6451010	7103310	1135866	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,52	down
6202953	7103310	1135880	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,41	down
6496177	7103310	1135875	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,38	up
5983246	7103310	1135869	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,29	up
5734577	7103310	1135877	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,26	down
6633600	7103310	1135865	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,21	down
6000416	7103310	1135892	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,18	down
6105163	7103310	1135892	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,18	down
5719410	7103310	1135879	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,12	down
5785631	7103310	1135864	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,09	up
5903646	7103310	1135865	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,05	down
5860192	7103310	1135870	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,03	up
6675494	7103310	1135867	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,03	up
5896531	7103310	1135884	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,02	down
5681834	7103310	1135892	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase 9	Galnt9	304571	1,01	down
5972271	7056025	1022769	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	2,19	up
6674767	7056025	1022767	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,98	up
6260313	7056025	1022801	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,75	up
5968598	7056025	1022768	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,68	up
6699575	7056025	1022756	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,59	down
6027952	7056025	1022763	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,38	down
5619865	7056025	1022750	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,27	down
6663457	7056025	1022782	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,20	up
5918689	7056025	1022762	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,17	down
5808946	7056025	1022761	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,11	down
5792931	7056025	1022763	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,11	down
6711354	7056025	1022761	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,09	up
6044189	7056025	1022750	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,05	up
6684252	7056025	1022787	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,04	up
5828849	7056025	1022782	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,04	down
5978369	7056025	1022801	UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylglucosaminyltransferase-like 4	Galntl4	293181	1,03	up
5695853	7274462	1558522	unc-13 homolog B (C. elegans)	Unc13b	64830	3,53	up
6207631	7274462	1558554	unc-13 homolog B (C. elegans)	Unc13b	64830	2,07	down
5829814	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,91	down

6634084	7274462	1558523	unc-13 homolog B (C. elegans)	Unc13b	64830	1,62	up
5795564	7274462	1558556	unc-13 homolog B (C. elegans)	Unc13b	64830	1,59	down
6278211	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,58	down
6454285	7274462	1558518	unc-13 homolog B (C. elegans)	Unc13b	64830	1,57	up
6650552	7274462	1558519	unc-13 homolog B (C. elegans)	Unc13b	64830	1,55	up
5758270	7274462	1558524	unc-13 homolog B (C. elegans)	Unc13b	64830	1,55	up
6065282	7274462	1558520	unc-13 homolog B (C. elegans)	Unc13b	64830	1,53	up
6307332	7274462	1558521	unc-13 homolog B (C. elegans)	Unc13b	64830	1,50	up
6009791	7274462	1558545	unc-13 homolog B (C. elegans)	Unc13b	64830	1,47	down
5939402	7274462	1558517	unc-13 homolog B (C. elegans)	Unc13b	64830	1,46	up
6117563	7274462	1558551	unc-13 homolog B (C. elegans)	Unc13b	64830	1,41	up
6258331	7274462	1558530	unc-13 homolog B (C. elegans)	Unc13b	64830	1,40	down
5844017	7274462	1558536	unc-13 homolog B (C. elegans)	Unc13b	64830	1,38	down
6385148	7274462	1558526	unc-13 homolog B (C. elegans)	Unc13b	64830	1,38	down
6057271	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,37	down
6246841	7274462	1558550	unc-13 homolog B (C. elegans)	Unc13b	64830	1,35	up
5796345	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,29	down
6604915	7274462	1558542	unc-13 homolog B (C. elegans)	Unc13b	64830	1,28	down
6680180	7274462	1558543	unc-13 homolog B (C. elegans)	Unc13b	64830	1,27	up
5698376	7274462	1558525	unc-13 homolog B (C. elegans)	Unc13b	64830	1,26	up
5671586	7274462	1558534	unc-13 homolog B (C. elegans)	Unc13b	64830	1,26	down
6202046	7274462	1558524	unc-13 homolog B (C. elegans)	Unc13b	64830	1,25	up
6548995	7274462	1558531	unc-13 homolog B (C. elegans)	Unc13b	64830	1,24	down
6135462	7274462	1558555	unc-13 homolog B (C. elegans)	Unc13b	64830	1,24	down
6076960	7274462	1558537	unc-13 homolog B (C. elegans)	Unc13b	64830	1,23	down
5782548	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,22	down
6044299	7274462	1558540	unc-13 homolog B (C. elegans)	Unc13b	64830	1,20	up
6008719	7274462	1558533	unc-13 homolog B (C. elegans)	Unc13b	64830	1,19	down
6253159	7274462	1558535	unc-13 homolog B (C. elegans)	Unc13b	64830	1,18	up
5937743	7274462	1558539	unc-13 homolog B (C. elegans)	Unc13b	64830	1,17	up
6620797	7274462	1558532	unc-13 homolog B (C. elegans)	Unc13b	64830	1,17	down
6098548	7274462	1558541	unc-13 homolog B (C. elegans)	Unc13b	64830	1,17	down
6504940	7274462	1558552	unc-13 homolog B (C. elegans)	Unc13b	64830	1,16	down
6677612	7274462	1558553	unc-13 homolog B (C. elegans)	Unc13b	64830	1,16	up
6075170	7274462	1558549	unc-13 homolog B (C. elegans)	Unc13b	64830	1,14	down
6509511	7274462	1558528	unc-13 homolog B (C. elegans)	Unc13b	64830	1,14	down
6003226	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,13	down
6401398	7274462	1558529	unc-13 homolog B (C. elegans)	Unc13b	64830	1,12	down
6242112	7274462	1558546	unc-13 homolog B (C. elegans)	Unc13b	64830	1,09	up
5860253	7274462	1558537	unc-13 homolog B (C. elegans)	Unc13b	64830	1,07	down
6666106	7274462	1558548	unc-13 homolog B (C. elegans)	Unc13b	64830	1,07	up
6411781	7274462	1558557	unc-13 homolog B (C. elegans)	Unc13b	64830	1,04	down
6244159	7274462	1558544	unc-13 homolog B (C. elegans)	Unc13b	64830	1,03	up
6216673	7274462	1558535	unc-13 homolog B (C. elegans)	Unc13b	64830	1,03	up
6696920	7274462	1558538	unc-13 homolog B (C. elegans)	Unc13b	64830	1,01	up
5716635	7274462	1558527	unc-13 homolog B (C. elegans)	Unc13b	64830	1,01	down
6336696	7274462	1558547	unc-13 homolog B (C. elegans)	Unc13b	64830	1,01	up
6389137	7274462	1558516	unc-13 homolog B (C. elegans)	Unc13b	64830	1,00	down
6047480	7084520	1089779	unc-13 homolog D (C. elegans)	Unc13d	192177	2,54	up
6276418	7084520	1089774	unc-13 homolog D (C. elegans)	Unc13d	192177	1,92	up
6096812	7084520	1089768	unc-13 homolog D (C. elegans)	Unc13d	192177	1,58	up
6166076	7084520	1089773	unc-13 homolog D (C. elegans)	Unc13d	192177	1,48	up
5789237	7084520	1089786	unc-13 homolog D (C. elegans)	Unc13d	192177	1,43	up
6049484	7084520	1089764	unc-13 homolog D (C. elegans)	Unc13d	192177	1,39	down
5966764	7084520	1089771	unc-13 homolog D (C. elegans)	Unc13d	192177	1,39	up
5740948	7084520	1089778	unc-13 homolog D (C. elegans)	Unc13d	192177	1,35	down
6011189	7084520	1089781	unc-13 homolog D (C. elegans)	Unc13d	192177	1,34	down

5935469	7084520	1089787	unc-13 homolog D (C. elegans)	Unc13d	192177	1,34	up
6375349	7084520	1089760	unc-13 homolog D (C. elegans)	Unc13d	192177	1,33	down
6615081	7084520	1089767	unc-13 homolog D (C. elegans)	Unc13d	192177	1,30	down
6707064	7084520	1089785	unc-13 homolog D (C. elegans)	Unc13d	192177	1,27	down
6529960	7084520	1089785	unc-13 homolog D (C. elegans)	Unc13d	192177	1,23	down
5876063	7084520	1089782	unc-13 homolog D (C. elegans)	Unc13d	192177	1,23	up
6214884	7084520	1089783	unc-13 homolog D (C. elegans)	Unc13d	192177	1,23	up
6672311	7084520	1089770	unc-13 homolog D (C. elegans)	Unc13d	192177	1,21	down
5870896	7084520	1089789	unc-13 homolog D (C. elegans)	Unc13d	192177	1,21	up
5809387	7084520	1089758	unc-13 homolog D (C. elegans)	Unc13d	192177	1,21	down
6448990	7084520	1089777	unc-13 homolog D (C. elegans)	Unc13d	192177	1,20	down
5643747	7084520	1089765	unc-13 homolog D (C. elegans)	Unc13d	192177	1,19	down
6648427	7084520	1089762	unc-13 homolog D (C. elegans)	Unc13d	192177	1,18	up
5952233	7084520	1089769	unc-13 homolog D (C. elegans)	Unc13d	192177	1,16	up
5977295	7084520	1089766	unc-13 homolog D (C. elegans)	Unc13d	192177	1,14	up
5987294	7084520	1089761	unc-13 homolog D (C. elegans)	Unc13d	192177	1,13	down
6674612	7084520	1089775	unc-13 homolog D (C. elegans)	Unc13d	192177	1,13	down
6583150	7084520	1089763	unc-13 homolog D (C. elegans)	Unc13d	192177	1,12	up
6288210	7084520	1089788	unc-13 homolog D (C. elegans)	Unc13d	192177	1,12	up
5687118	7084520	1089784	unc-13 homolog D (C. elegans)	Unc13d	192177	1,11	down
6499779	7084520	1089760	unc-13 homolog D (C. elegans)	Unc13d	192177	1,09	down
6441702	7084520	1089790	unc-13 homolog D (C. elegans)	Unc13d	192177	1,07	down
6492140	7084520	1089759	unc-13 homolog D (C. elegans)	Unc13d	192177	1,07	down
5820824	7084520	1089772	unc-13 homolog D (C. elegans)	Unc13d	192177	1,06	up
6201791	7084520	1089771	unc-13 homolog D (C. elegans)	Unc13d	192177	1,05	up
6467352	7084520	1089776	unc-13 homolog D (C. elegans)	Unc13d	192177	1,05	down
6724100	7084520	1089780	unc-13 homolog D (C. elegans)	Unc13d	192177	1,01	down
5730155	7084520	1089790	unc-13 homolog D (C. elegans)	Unc13d	192177	1,00	down
5877777	7222806	1429648	unc-5 homolog B (C. elegans)	Unc5b	60630	2,92	up
6724767	7222806	1429653	unc-5 homolog B (C. elegans)	Unc5b	60630	2,06	up
5816850	7222806	1429636	unc-5 homolog B (C. elegans)	Unc5b	60630	1,95	down
6076252	7222806	1429646	unc-5 homolog B (C. elegans)	Unc5b	60630	1,89	up
5679243	7222806	1429641	unc-5 homolog B (C. elegans)	Unc5b	60630	1,64	up
6471762	7222806	1429652	unc-5 homolog B (C. elegans)	Unc5b	60630	1,62	down
6537850	7222806	1429648	unc-5 homolog B (C. elegans)	Unc5b	60630	1,48	up
6610624	7222806	1429647	unc-5 homolog B (C. elegans)	Unc5b	60630	1,48	down
6159016	7222806	1429639	unc-5 homolog B (C. elegans)	Unc5b	60630	1,27	down
6685728	7222806	1429644	unc-5 homolog B (C. elegans)	Unc5b	60630	1,25	up
6292679	7222806	1429648	unc-5 homolog B (C. elegans)	Unc5b	60630	1,25	up
6205257	7222806	1429643	unc-5 homolog B (C. elegans)	Unc5b	60630	1,23	down
6390171	7222806	1429636	unc-5 homolog B (C. elegans)	Unc5b	60630	1,21	down
6359479	7222806	1429643	unc-5 homolog B (C. elegans)	Unc5b	60630	1,20	down
5971208	7222806	1429651	unc-5 homolog B (C. elegans)	Unc5b	60630	1,17	up
5883918	7222806	1429642	unc-5 homolog B (C. elegans)	Unc5b	60630	1,16	down
6033298	7222806	1429638	unc-5 homolog B (C. elegans)	Unc5b	60630	1,16	down
5764100	7222806	1429637	unc-5 homolog B (C. elegans)	Unc5b	60630	1,08	down
5652966	7222806	1429640	unc-5 homolog B (C. elegans)	Unc5b	60630	1,06	down
6460175	7222806	1429645	unc-5 homolog B (C. elegans)	Unc5b	60630	1,06	up
5872828	7222806	1429649	unc-5 homolog B (C. elegans)	Unc5b	60630	1,04	up
6510404	7222806	1429650	unc-5 homolog B (C. elegans)	Unc5b	60630	1,01	down
6112434	7329846	1695003	unc-84 homolog B (C. elegans)	Unc84b	315135	2,54	down
6027928	7329846	1695006	unc-84 homolog B (C. elegans)	Unc84b	315135	1,66	down
6438865	7329846	1694987	unc-84 homolog B (C. elegans)	Unc84b	315135	1,60	up
6456752	7329846	1694987	unc-84 homolog B (C. elegans)	Unc84b	315135	1,44	up
5854586	7329846	1694987	unc-84 homolog B (C. elegans)	Unc84b	315135	1,07	up
6035534	7340990	1722518	upstream binding protein 1 (LBP-1a)	Ubp1	301038	1,22	down
6397910	7340990	1722500	upstream binding protein 1 (LBP-1a)	Ubp1	301038	1,15	down

5678670	7049931	1009236	upstream transcription factor 2	Usf2	81817	2,06	down
6264362	7049931	1009232	upstream transcription factor 2	Usf2	81817	1,78	up
5853394	7049931	1009234	upstream transcription factor 2	Usf2	81817	1,26	down
5932384	7049931	1009226	upstream transcription factor 2	Usf2	81817	1,18	up
5900228	7049931	1009230	upstream transcription factor 2	Usf2	81817	1,13	up
6220202	7049931	1009237	upstream transcription factor 2	Usf2	81817	1,12	down
6135656	7049931	1009228	upstream transcription factor 2	Usf2	81817	1,11	down
6622049	7049931	1009227	upstream transcription factor 2	Usf2	81817	1,10	down
6103947	7049931	1009235	upstream transcription factor 2	Usf2	81817	1,09	down
6205431	7049931	1009229	upstream transcription factor 2	Usf2	81817	1,08	up
6367784	7049931	1009231	upstream transcription factor 2	Usf2	81817	1,07	down
6587706	7049931	1009233	upstream transcription factor 2	Usf2	81817	1,01	up
6018848	7049931	1009233	upstream transcription factor 2	Usf2	81817	1,00	up
6695056	7103033	1135263	uracil-DNA glycosylase	Ung	304577	2,00	down
6627257	7103033	1135262	uracil-DNA glycosylase	Ung	304577	1,60	up
6520021	7103033	1135257	uracil-DNA glycosylase	Ung	304577	1,44	down
6382461	7103033	1135263	uracil-DNA glycosylase	Ung	304577	1,35	down
6015195	7103033	1135263	uracil-DNA glycosylase	Ung	304577	1,35	down
6320086	7103033	1135258	uracil-DNA glycosylase	Ung	304577	1,12	down
5742953	7103033	1135260	uracil-DNA glycosylase	Ung	304577	1,12	up
6558363	7103033	1135261	uracil-DNA glycosylase	Ung	304577	1,11	up
6086977	7103033	1135259	uracil-DNA glycosylase	Ung	304577	1,10	up
6424486	7221839	1427194	ureidopropionase, beta	Uppb1	116593	2,56	up
6388585	7221839	1427189	ureidopropionase, beta	Uppb1	116593	1,79	up
6572971	7221839	1427193	ureidopropionase, beta	Uppb1	116593	1,39	down
6160984	7221839	1427187	ureidopropionase, beta	Uppb1	116593	1,38	down
5666847	7221839	1427191	ureidopropionase, beta	Uppb1	116593	1,30	down
6656655	7221839	1427188	ureidopropionase, beta	Uppb1	116593	1,17	up
5687632	7221839	1427192	ureidopropionase, beta	Uppb1	116593	1,17	down
6555962	7221839	1427195	ureidopropionase, beta	Uppb1	116593	1,13	up
5800065	7221839	1427190	ureidopropionase, beta	Uppb1	116593	1,13	down
5898955	7221839	1427186	ureidopropionase, beta	Uppb1	116593	1,05	up
6370710	7249015	1495051	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,86	up
6312265	7249015	1495051	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,84	up
5745441	7249015	1495051	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,31	down
6548876	7249015	1495048	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,29	down
5661615	7249015	1495052	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,26	down
6573027	7249015	1495062	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,24	down
5927148	7249015	1495054	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,18	down
6309175	7249015	1495051	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,12	up
5922327	7249015	1495049	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,11	down
6256566	7249015	1495050	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,10	down
6092755	7249015	1495050	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,08	up
6486835	7249015	1495055	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,07	down
6379369	7249015	1495053	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,06	down
6659907	7249015	1495057	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,03	up
5686269	7249015	1495056	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,02	up
5833491	7249015	1495050	uridine-cytidine kinase 1-like 1	Uckl1	499956	1,01	up
6193105	7113627	1161349	uridine-cytidine kinase 2	Uck2	304944	2,06	down
5952206	7113627	1161349	uridine-cytidine kinase 2	Uck2	304944	1,73	down
5779581	7113627	1161331	uridine-cytidine kinase 2	Uck2	304944	1,46	up
6709725	7113627	1161329	uridine-cytidine kinase 2	Uck2	304944	1,13	up
6320949	7113627	1161349	uridine-cytidine kinase 2	Uck2	304944	1,12	down
5859337	7113627	1161328	uridine-cytidine kinase 2	Uck2	304944	1,07	down
6650812	7113627	1161326	uridine-cytidine kinase 2	Uck2	304944	1,05	up
5644256	7113627	1161326	uridine-cytidine kinase 2	Uck2	304944	1,02	up
6015298	7113627	1161330	uridine-cytidine kinase 2	Uck2	304944	1,01	up

5783396	7058121	1027217	uroporphyrinogen III synthase	Uros	309070	2,53	up
6217957	7058121	1027212	uroporphyrinogen III synthase	Uros	309070	2,50	down
5774343	7058121	1027217	uroporphyrinogen III synthase	Uros	309070	1,71	up
6396494	7058121	1027215	uroporphyrinogen III synthase	Uros	309070	1,22	down
5708906	7058121	1027214	uroporphyrinogen III synthase	Uros	309070	1,19	down
6378479	7058121	1027216	uroporphyrinogen III synthase	Uros	309070	1,16	down
6056758	7058121	1027210	uroporphyrinogen III synthase	Uros	309070	1,16	up
6134494	7058121	1027209	uroporphyrinogen III synthase	Uros	309070	1,13	up
5969858	7058121	1027211	uroporphyrinogen III synthase	Uros	309070	1,09	down
6353950	7058121	1027213	uroporphyrinogen III synthase	Uros	309070	1,08	up
6117524	7058121	1027208	uroporphyrinogen III synthase	Uros	309070	1,03	down
5671320	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	2,27	up
5955209	7108974	1149804	Usher syndrome 2A homolog (human)	Ush2a	266765	1,74	up
6226981	7108974	1149795	Usher syndrome 2A homolog (human)	Ush2a	266765	1,62	down
5829263	7108974	1149794	Usher syndrome 2A homolog (human)	Ush2a	266765	1,54	down
6361388	7108974	1149799	Usher syndrome 2A homolog (human)	Ush2a	266765	1,48	down
6733910	7108974	1149802	Usher syndrome 2A homolog (human)	Ush2a	266765	1,38	up
5712125	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	1,33	up
5632819	7108974	1149806	Usher syndrome 2A homolog (human)	Ush2a	266765	1,32	up
6493195	7108974	1149793	Usher syndrome 2A homolog (human)	Ush2a	266765	1,30	up
6030891	7108974	1149795	Usher syndrome 2A homolog (human)	Ush2a	266765	1,25	up
6170387	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	1,22	up
6284944	7108974	1149800	Usher syndrome 2A homolog (human)	Ush2a	266765	1,17	down
6457695	7108974	1149797	Usher syndrome 2A homolog (human)	Ush2a	266765	1,14	down
6112001	7108974	1149803	Usher syndrome 2A homolog (human)	Ush2a	266765	1,12	up
5770644	7108974	1149803	Usher syndrome 2A homolog (human)	Ush2a	266765	1,11	down
5718768	7108974	1149799	Usher syndrome 2A homolog (human)	Ush2a	266765	1,10	up
5800679	7108974	1149805	Usher syndrome 2A homolog (human)	Ush2a	266765	1,09	down
6744743	7108974	1149791	Usher syndrome 2A homolog (human)	Ush2a	266765	1,09	down
5720665	7108974	1149802	Usher syndrome 2A homolog (human)	Ush2a	266765	1,09	down
5884730	7108974	1149798	Usher syndrome 2A homolog (human)	Ush2a	266765	1,06	up
6443732	7108974	1149801	Usher syndrome 2A homolog (human)	Ush2a	266765	1,05	up
5696963	7108974	1149792	Usher syndrome 2A homolog (human)	Ush2a	266765	1,04	down
6259899	7108974	1149796	Usher syndrome 2A homolog (human)	Ush2a	266765	1,04	down
6725422	7108974	1149804	Usher syndrome 2A homolog (human)	Ush2a	266765	1,01	up
6422905	7044211	996293	utrophin	Utrn	25600	3,28	up
6702574	7044211	996293	utrophin	Utrn	25600	2,69	up
6185849	7044211	996283	utrophin	Utrn	25600	1,45	down
5675236	7044211	996287	utrophin	Utrn	25600	1,42	up
6040657	7044211	996263	utrophin	Utrn	25600	1,41	up
5780946	7044211	996292	utrophin	Utrn	25600	1,40	down
6542184	7044211	996230	utrophin	Utrn	25600	1,40	down
6014465	7044211	996226	utrophin	Utrn	25600	1,37	down
6048684	7044211	996287	utrophin	Utrn	25600	1,36	down
5928204	7044211	996253	utrophin	Utrn	25600	1,34	up
5964977	7044211	996229	utrophin	Utrn	25600	1,34	down
6431981	7044211	996278	utrophin	Utrn	25600	1,29	down
6290335	7044211	996247	utrophin	Utrn	25600	1,29	up
6308312	7044211	996255	utrophin	Utrn	25600	1,27	down
6638534	7044211	996248	utrophin	Utrn	25600	1,26	up
6225845	7044211	996224	utrophin	Utrn	25600	1,26	down
5742344	7044211	996238	utrophin	Utrn	25600	1,24	down
6672677	7044211	996291	utrophin	Utrn	25600	1,24	down
6231702	7044211	996274	utrophin	Utrn	25600	1,23	up
5800798	7044211	996221	utrophin	Utrn	25600	1,23	down
6526227	7044211	996280	utrophin	Utrn	25600	1,22	down
6110950	7044211	996244	utrophin	Utrn	25600	1,21	down

5717161	7044211	996227	utrophin	Utrn	25600	1,19	down
5952377	7044211	996250	utrophin	Utrn	25600	1,18	down
6158685	7044211	996254	utrophin	Utrn	25600	1,17	up
6267309	7044211	996235	utrophin	Utrn	25600	1,16	down
6620559	7044211	996236	utrophin	Utrn	25600	1,15	down
6183139	7044211	996242	utrophin	Utrn	25600	1,15	up
6634064	7044211	996279	utrophin	Utrn	25600	1,14	up
6056804	7044211	996223	utrophin	Utrn	25600	1,14	down
6263234	7044211	996233	utrophin	Utrn	25600	1,14	up
6289728	7044211	996245	utrophin	Utrn	25600	1,13	up
6087225	7044211	996252	utrophin	Utrn	25600	1,13	up
5873031	7044211	996282	utrophin	Utrn	25600	1,13	down
6150756	7044211	996260	utrophin	Utrn	25600	1,13	down
6493848	7044211	996277	utrophin	Utrn	25600	1,12	up
6674248	7044211	996284	utrophin	Utrn	25600	1,12	up
6222490	7044211	996259	utrophin	Utrn	25600	1,11	down
6323129	7044211	996266	utrophin	Utrn	25600	1,11	up
6497826	7044211	996272	utrophin	Utrn	25600	1,11	down
6727428	7044211	996261	utrophin	Utrn	25600	1,10	down
5979168	7044211	996251	utrophin	Utrn	25600	1,10	down
6464178	7044211	996240	utrophin	Utrn	25600	1,09	up
5897943	7044211	996289	utrophin	Utrn	25600	1,09	up
6323184	7044211	996232	utrophin	Utrn	25600	1,08	up
6233460	7044211	996269	utrophin	Utrn	25600	1,08	up
6374390	7044211	996267	utrophin	Utrn	25600	1,07	down
6156096	7044211	996228	utrophin	Utrn	25600	1,07	down
6288458	7044211	996246	utrophin	Utrn	25600	1,07	down
5880293	7044211	996264	utrophin	Utrn	25600	1,07	up
6101235	7044211	996258	utrophin	Utrn	25600	1,06	down
6724911	7044211	996257	utrophin	Utrn	25600	1,06	down
6027062	7044211	996273	utrophin	Utrn	25600	1,05	up
6486714	7044211	996276	utrophin	Utrn	25600	1,04	down
5650797	7044211	996290	utrophin	Utrn	25600	1,04	up
6146549	7044211	996239	utrophin	Utrn	25600	1,04	down
6312751	7044211	996249	utrophin	Utrn	25600	1,04	up
6405460	7044211	996262	utrophin	Utrn	25600	1,04	up
6538878	7044211	996234	utrophin	Utrn	25600	1,04	up
6292680	7044211	996275	utrophin	Utrn	25600	1,04	up
6582441	7044211	996277	utrophin	Utrn	25600	1,04	down
6571665	7044211	996241	utrophin	Utrn	25600	1,03	down
6707300	7044211	996283	utrophin	Utrn	25600	1,03	up
6241522	7044211	996243	utrophin	Utrn	25600	1,03	down
6525121	7044211	996288	utrophin	Utrn	25600	1,03	down
6365541	7044211	996270	utrophin	Utrn	25600	1,02	down
6211745	7044211	996231	utrophin	Utrn	25600	1,02	down
5749075	7044211	996285	utrophin	Utrn	25600	1,02	up
6338931	7044211	996256	utrophin	Utrn	25600	1,02	down
5627805	7044211	996265	utrophin	Utrn	25600	1,02	up
6219333	7044211	996223	utrophin	Utrn	25600	1,02	down
6106484	7044211	996222	utrophin	Utrn	25600	1,02	down
6336632	7044211	996286	utrophin	Utrn	25600	1,01	up
6213856	7044211	996268	utrophin	Utrn	25600	1,00	up
5626402	7044211	996281	utrophin	Utrn	25600	1,00	up
6199319	7044211	996225	utrophin	Utrn	25600	1,00	up
6215741	7044211	996237	utrophin	Utrn	25600	1,00	down
5783325	7044211	996271	utrophin	Utrn	25600	1,00	down
6525892	7292869	1603433	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,95	down

6436928	7292869	1603476	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,92	down
6527879	7292869	1603424	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,49	down
6414854	7292869	1603438	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,46	up
6574180	7292869	1603486	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,44	down
6449884	7292869	1603497	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,43	down
5991739	7292869	1603373	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,41	down
6732930	7292869	1603420	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,39	down
6073935	7292869	1603477	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,38	down
5808950	7292869	1603444	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,36	down
5955329	7292869	1603426	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,35	down
5967567	7292869	1603480	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,33	up
6717688	7292869	1603478	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,33	down
6580423	7292869	1603431	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,32	down
6446090	7292869	1603470	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,29	down
5758534	7292869	1603436	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,29	down
6025181	7292869	1603439	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,29	down
5759437	7292869	1603456	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,27	up
6091750	7292869	1603494	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,27	up
6486095	7292869	1603487	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,27	up
5944940	7292869	1603443	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,25	down
6398808	7292869	1603397	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,25	up
5838652	7292869	1603437	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,25	up
5985907	7292869	1603432	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,24	down
6562941	7292869	1603483	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,23	up
6015032	7292869	1603444	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,22	down
6218963	7292869	1603441	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,21	down
6731723	7292869	1603461	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,19	up
6382322	7292869	1603372	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,19	down
6735927	7292869	1603460	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,19	up
6051330	7292869	1603419	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,18	up
6445674	7292869	1603492	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,18	up
6071103	7292869	1603482	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,18	up
6017789	7292869	1603440	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,17	down
6058336	7292869	1603429	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,17	down
6508196	7292869	1603442	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,17	up
5638346	7292869	1603488	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,15	down
5779506	7292869	1603467	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,15	up
6283888	7292869	1603470	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,14	down
5951780	7292869	1603484	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,14	up
5811806	7292869	1603485	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,14	up
6338635	7292869	1603448	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,14	up
6590904	7292869	1603375	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,14	down
6537553	7292869	1603468	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,14	up
6401202	7292869	1603428	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,13	down
6610520	7292869	1603371	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,13	down
5668821	7292869	1603462	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,12	up
5765557	7292869	1603458	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,11	up
5794302	7292869	1603490	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,10	down
5846924	7292869	1603453	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,10	up
6281885	7292869	1603502	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,09	up
6699429	7292869	1603447	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,08	up
6001247	7292869	1603491	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,08	up
5823645	7292869	1603400	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,08	down
6210619	7292869	1603474	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,07	up
5959549	7292869	1603466	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,06	up
5768604	7292869	1603455	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,06	down
5932040	7292869	1603465	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,06	down

6186586	7292869	1603480	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,06	down
6039011	7292869	1603463	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,06	down
5841088	7292869	1603495	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,05	up
6648040	7292869	1603493	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,05	up
6518046	7292869	1603449	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,04	down
6048984	7292869	1603430	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,03	down
6336331	7292869	1603472	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,03	down
6425225	7292869	1603489	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,03	down
6285665	7292869	1603496	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,03	up
6359796	7292869	1603435	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,02	up
5793188	7292869	1603427	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,02	up
6067419	7292869	1603457	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,02	up
6490607	7292869	1603470	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,01	down
6720527	7292869	1603479	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,01	up
6745864	7292869	1603464	vacuolar protein sorting 13D (yeast)	Vps13d	313825	1,00	up
5665216	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,61	up
5783390	7039728	984848	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,52	down
5695800	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,30	down
5710786	7039728	984848	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,26	up
5620214	7039728	984844	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,23	up
6659757	7039728	984838	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,23	down
6081092	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,18	down
6715596	7039728	984843	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,18	up
6732262	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,15	up
6100186	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,10	up
6231952	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,07	down
6318410	7039728	984846	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,07	up
6470856	7039728	984848	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,02	up
6333095	7039728	984847	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,02	up
6194913	7039728	984845	vacuolar protein sorting 37 homolog C (S. cerevisiae)	Vps37c	308178	1,01	up
5886743	7220650	1424522	valyl-tRNA synthetase	Vars	25009	2,53	down
6291988	7220650	1424526	valyl-tRNA synthetase	Vars	25009	1,96	up
6011417	7220650	1424547	valyl-tRNA synthetase	Vars	25009	1,94	down
6675702	7220650	1424552	valyl-tRNA synthetase	Vars	25009	1,67	down
6317268	7220650	1424523	valyl-tRNA synthetase	Vars	25009	1,47	down
6460317	7220650	1424534	valyl-tRNA synthetase	Vars	25009	1,31	up
6373357	7220650	1424548	valyl-tRNA synthetase	Vars	25009	1,27	down
5843045	7220650	1424532	valyl-tRNA synthetase	Vars	25009	1,25	down
6261025	7220650	1424540	valyl-tRNA synthetase	Vars	25009	1,22	up
6695684	7220650	1424542	valyl-tRNA synthetase	Vars	25009	1,19	down
6038727	7220650	1424551	valyl-tRNA synthetase	Vars	25009	1,19	up
5633686	7220650	1424545	valyl-tRNA synthetase	Vars	25009	1,17	up
5759004	7220650	1424536	valyl-tRNA synthetase	Vars	25009	1,16	up
5988454	7220650	1424530	valyl-tRNA synthetase	Vars	25009	1,16	down
6349647	7220650	1424541	valyl-tRNA synthetase	Vars	25009	1,13	up
5756316	7220650	1424549	valyl-tRNA synthetase	Vars	25009	1,11	down
6626318	7220650	1424522	valyl-tRNA synthetase	Vars	25009	1,07	up
6209227	7220650	1424531	valyl-tRNA synthetase	Vars	25009	1,07	up
6505667	7220650	1424550	valyl-tRNA synthetase	Vars	25009	1,06	down
6497023	7220650	1424529	valyl-tRNA synthetase	Vars	25009	1,06	up
5678869	7220650	1424528	valyl-tRNA synthetase	Vars	25009	1,06	up
5618624	7220650	1424546	valyl-tRNA synthetase	Vars	25009	1,05	up
6721700	7220650	1424525	valyl-tRNA synthetase	Vars	25009	1,05	up
5806910	7220650	1424538	valyl-tRNA synthetase	Vars	25009	1,05	down
6422729	7220650	1424539	valyl-tRNA synthetase	Vars	25009	1,05	down
5658512	7220650	1424537	valyl-tRNA synthetase	Vars	25009	1,03	up
5757955	7220650	1424533	valyl-tRNA synthetase	Vars	25009	1,03	down

6539668	7220650	1424523	valyl-tRNA synthetase	Vars	25009	1,03	down
6009245	7220650	1424529	valyl-tRNA synthetase	Vars	25009	1,02	up
6647990	7220650	1424524	valyl-tRNA synthetase	Vars	25009	1,01	down
6273510	7220650	1424527	valyl-tRNA synthetase	Vars	25009	1,01	up
6513498	7220650	1424535	valyl-tRNA synthetase	Vars	25009	1,00	down
6351318	7302307	1627591	vasoactive intestinal peptide receptor 2	Vipr2	29555	2,84	up
5653970	7302307	1627591	vasoactive intestinal peptide receptor 2	Vipr2	29555	2,09	up
6746922	7302307	1627603	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,77	down
5953233	7302307	1627604	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,61	up
6146329	7302307	1627597	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,54	down
6581187	7302307	1627599	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,47	up
6328935	7302307	1627594	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,39	down
6651199	7302307	1627596	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,38	up
5851905	7302307	1627602	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,37	down
5746294	7302307	1627593	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,36	up
6354589	7302307	1627604	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,30	down
5733794	7302307	1627600	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,14	down
6024849	7302307	1627592	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,12	down
5928465	7302307	1627598	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,10	down
5921472	7302307	1627597	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,10	down
6035874	7302307	1627595	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,09	down
6323852	7302307	1627601	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,04	up
6571320	7302307	1627604	vasoactive intestinal peptide receptor 2	Vipr2	29555	1,04	up
6395152	7300392	1622750	vasohibin 1	Vash1	503052	1,60	down
5936470	7300392	1622759	vasohibin 1	Vash1	503052	1,50	down
6308088	7300392	1622750	vasohibin 1	Vash1	503052	1,33	down
6676511	7300392	1622750	vasohibin 1	Vash1	503052	1,32	up
6322028	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	2,33	up
6456380	7237132	1466108	vav 2 guanine nucleotide exchange factor	Vav2	296603	2,18	up
5640333	7237132	1466130	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,60	up
6611096	7237132	1466187	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,53	up
6518333	7237132	1466112	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,39	down
6113932	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,39	down
5971664	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,38	up
6156588	7237132	1466171	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,34	down
6099207	7237132	1466128	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,29	up
6290614	7237132	1466116	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,27	down
6185843	7237132	1466121	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,26	up
6543422	7237132	1466126	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,26	down
6702360	7237132	1466110	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,23	up
5874270	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,21	up
6247651	7237132	1466151	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,20	down
6262640	7237132	1466122	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,19	down
6578420	7237132	1466125	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,18	down
6503403	7237132	1466127	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,17	down
5626801	7237132	1466107	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,17	up
6388799	7237132	1466137	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,15	up
6647360	7237132	1466114	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,15	up
6136833	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,14	up
6106127	7237132	1466118	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,12	down
5896299	7237132	1466105	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,11	up
5736773	7237132	1466131	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,11	down
5765420	7237132	1466124	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,08	up
5813317	7237132	1466119	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,06	up
6331070	7237132	1466135	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,05	up
6148168	7237132	1466140	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,04	down
6317692	7237132	1466186	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,03	down

5720421	7237132	1466132	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,03	down
6592677	7237132	1466129	vav 2 guanine nucleotide exchange factor	Vav2	296603	1,00	up
6524148	7198087	1370726	vav 3 guanine nucleotide exchange factor	Vav3	295378	1,15	down
5971386	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	3,96	down
6564537	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,53	up
6240441	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,44	down
5657901	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,31	down
5662887	7064228	1041816	ventral anterior homeobox 1	Vax1	64571	1,31	up
5878363	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,17	down
5724416	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,13	down
6596563	7064228	1041814	ventral anterior homeobox 1	Vax1	64571	1,13	up
5791795	7064228	1041815	ventral anterior homeobox 1	Vax1	64571	1,05	up
6053398	7321394	1675581	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	2,25	down
5804980	7321394	1675592	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,84	down
6196002	7321394	1675574	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,67	down
5755658	7321394	1675572	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,58	down
6699479	7321394	1675594	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,57	up
6253605	7321394	1675585	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,46	up
6733394	7321394	1675591	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,45	up
6209899	7321394	1675582	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,40	up
6526764	7321394	1675572	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,39	down
5785789	7321394	1675589	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,34	down
6188701	7321394	1675586	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,23	up
6179139	7321394	1675577	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,21	up
5824991	7321394	1675572	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,21	up
6356033	7321394	1675579	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,17	up
6265945	7321394	1675595	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,14	up
6205913	7321394	1675591	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,13	up
5631233	7321394	1675597	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,10	down
5646436	7321394	1675583	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,07	down
6473445	7321394	1675596	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,07	down
6127166	7321394	1675584	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,07	down
6410262	7321394	1675598	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,06	down
6583254	7321394	1675588	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,05	down
6076920	7321394	1675587	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,04	up
6723896	7321394	1675593	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,03	down
6506640	7321394	1675571	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,02	down
6261969	7321394	1675574	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,02	down
5705649	7321394	1675576	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,01	down
5925004	7321394	1675573	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,01	down
6328355	7321394	1675578	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,01	down
6212671	7321394	1675580	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,00	down
6089042	7321394	1675575	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,00	up
6141159	7321394	1675571	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,00	up
6142682	7321394	1675590	v-erb-b2 erythroblastic leukemia viral oncogene homolog 3 (avian)	ErbB3	29496	1,00	up
6228493	7367959	1789071	vimentin-type intermediate filament associated coiled-coil protein	Vmac	363327	2,10	up
6263966	7367959	1789073	vimentin-type intermediate filament associated coiled-coil protein	Vmac	363327	1,23	down
6499302	7136062	1216272	vinculin	Vcl	305679	1,81	up
5701685	7136062	1216277	vinculin	Vcl	305679	1,37	down
5632276	7136062	1216285	vinculin	Vcl	305679	1,30	down
5841484	7136062	1216300	vinculin	Vcl	305679	1,28	down
5672878	7136062	1216273	vinculin	Vcl	305679	1,27	down
6681930	7136062	1216280	vinculin	Vcl	305679	1,21	down
6291460	7136062	1216275	vinculin	Vcl	305679	1,21	down
5760786	7136062	1216296	vinculin	Vcl	305679	1,19	up
5880899	7136062	1216281	vinculin	Vcl	305679	1,18	down
6722277	7136062	1216298	vinculin	Vcl	305679	1,18	up

6569537	7136062	1216295	vinculin	Vcl	305679	1,17	down
6407135	7136062	1216277	vinculin	Vcl	305679	1,17	up
6725921	7136062	1216272	vinculin	Vcl	305679	1,16	down
6178330	7136062	1216298	vinculin	Vcl	305679	1,14	up
6273710	7136062	1216288	vinculin	Vcl	305679	1,13	down
6426766	7136062	1216297	vinculin	Vcl	305679	1,12	up
6237861	7136062	1216284	vinculin	Vcl	305679	1,11	down
6569797	7136062	1216289	vinculin	Vcl	305679	1,10	down
6242791	7136062	1216278	vinculin	Vcl	305679	1,08	down
5702190	7136062	1216274	vinculin	Vcl	305679	1,08	down
6544790	7136062	1216282	vinculin	Vcl	305679	1,07	up
6722047	7136062	1216287	vinculin	Vcl	305679	1,03	down
5697152	7136062	1216286	vinculin	Vcl	305679	1,03	down
6200218	7136062	1216272	vinculin	Vcl	305679	1,02	down
6323545	7136062	1216305	vinculin	Vcl	305679	1,02	down
5785094	7136062	1216279	vinculin	Vcl	305679	1,01	down
6098044	7318753	1669318	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	Maff	366960	2,25	down
5941414	7318753	1669317	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	Maff	366960	1,39	up
6317472	7318753	1669318	v-maf musculoaponeurotic fibrosarcoma oncogene homolog F (avian)	Maff	366960	1,35	up
6084334	7334980	1707167	von Willebrand factor A domain containing 5A	Vwa5a	301097	8,50	down
5861458	7334980	1707168	von Willebrand factor A domain containing 5A	Vwa5a	301097	4,37	down
5939209	7334980	1707161	von Willebrand factor A domain containing 5A	Vwa5a	301097	2,00	down
5897716	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,90	down
6620053	7334980	1707152	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,38	up
6457562	7334980	1707150	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,29	down
5905300	7334980	1707151	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,29	down
6581747	7334980	1707159	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,28	down
6567289	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,23	down
5854962	7334980	1707158	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,20	down
5763232	7334980	1707163	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,18	up
6318659	7334980	1707154	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,17	up
6598585	7334980	1707156	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,16	up
5711445	7334980	1707165	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,14	up
5733294	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,14	down
5687369	7334980	1707157	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,12	down
6459146	7334980	1707166	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,11	up
6084946	7334980	1707162	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,10	up
6432831	7334980	1707164	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,05	down
5791549	7334980	1707155	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,05	up
6544400	7334980	1707153	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,03	down
5784076	7334980	1707160	von Willebrand factor A domain containing 5A	Vwa5a	301097	1,01	down
6441040	7292364	1602114	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	2,34	down
6482714	7292364	1602108	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	2,33	down
5863298	7292364	1602101	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	2,06	down
6692777	7292364	1602123	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,76	down
6208208	7292364	1602117	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,61	down
6388776	7292364	1602122	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,60	down
6024716	7292364	1602115	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,46	down
6745706	7292364	1602107	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,43	down
6604337	7292364	1602121	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,40	down
6199589	7292364	1602111	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,39	down
5774123	7292364	1602109	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,39	down
6447694	7292364	1602103	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,35	up
6158038	7292364	1602113	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,30	up
6547033	7292364	1602125	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,28	up
6694590	7292364	1602130	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,27	up
6018646	7292364	1602123	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,15	up

6138866	7292364	1602102	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,15	up
6145203	7292364	1602106	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,13	up
5641893	7292364	1602105	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,12	up
6217882	7292364	1602126	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,10	up
5992660	7292364	1602100	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,08	up
6463413	7292364	1602120	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,07	down
5810506	7292364	1602112	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,05	up
5961930	7292364	1602108	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,03	down
6256111	7292364	1602125	von Willebrand factor A domain containing 5B1	Vwa5b1	313653	1,03	up
6164534	7095066	1115290	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	2,30	up
6554483	7095066	1115268	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,49	down
6472738	7095066	1115276	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,39	down
6255202	7095066	1115280	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,38	down
5775247	7095066	1115285	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,37	down
6292681	7095066	1115269	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,35	down
6520955	7095066	1115277	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,34	up
5717964	7095066	1115275	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,31	up
5700038	7095066	1115279	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,30	down
6572271	7095066	1115287	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,26	up
6388425	7095066	1115267	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,22	down
6205351	7095066	1115288	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,22	up
5682935	7095066	1115268	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,17	down
6224382	7095066	1115284	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,16	down
6132284	7095066	1115288	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,16	down
6445082	7095066	1115282	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,10	up
5997483	7095066	1115281	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,08	down
6595649	7095066	1115289	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,08	down
6248227	7095066	1115274	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,05	down
6638095	7095066	1115269	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,02	down
6718322	7095066	1115286	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,02	up
5619812	7095066	1115287	von Willebrand factor A domain containing 5B2	Vwa5b2	303812	1,01	up
6055458	7039725	984833	von Willebrand factor C and EGF domains	Vwce	309209	2,14	up
5849551	7039725	984832	von Willebrand factor C and EGF domains	Vwce	309209	1,06	down
6087334	7039213	983511	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	2,11	down
5793655	7039213	983521	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,84	up
5721992	7039213	983519	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,42	down
6379834	7039213	983518	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,37	up
6273603	7039213	983520	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,37	up
5899044	7039213	983520	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,25	down
6634763	7039213	983517	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,16	up
6222467	7039213	983515	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,16	down
6039050	7039213	983520	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,14	down
6172633	7039213	983520	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,11	up
5666864	7039213	983514	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,05	down
5675332	7039213	983512	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,04	up
5866822	7039213	983513	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,04	down
6201432	7039213	983516	v-rel reticuloendotheliosis viral oncogene homolog A (avian)	Rela	309165	1,04	down
5868154	7033541	969974	WAS protein homology region 2 domain containing 1	Whdc1	293057	3,25	down
6063848	7033541	969974	WAS protein homology region 2 domain containing 1	Whdc1	293057	2,65	down
5843076	7033541	969975	WAS protein homology region 2 domain containing 1	Whdc1	293057	2,30	down
6126236	7033541	969974	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,73	down
5723481	7033541	969986	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,47	down
6688054	7033541	969976	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,47	down
5628136	7033541	969975	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,39	down
5899073	7033541	969985	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,38	up
6514931	7033541	969986	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,31	up
6723202	7033541	969979	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,28	up

6673055	7033541	969982	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,27	down
6100171	7033541	969980	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,24	up
6281623	7033541	969984	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,19	up
5619744	7033541	969980	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,19	up
5776208	7033541	969985	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,17	up
5884136	7033541	969978	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,15	down
6033171	7033541	969986	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,13	up
5714076	7033541	969987	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,09	down
6111102	7033541	969981	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,07	up
6443472	7033541	969985	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,04	down
5639112	7033541	969983	WAS protein homology region 2 domain containing 1	Whdc1	293057	1,02	down
6657158	7071969	1060902	WAS/WASL interacting protein family, member 2	Wipf2	360620	1,24	up
6292311	7362759	1776143	WD repeat domain 12	Wdr12	363237	2,76	up
6132439	7362759	1776142	WD repeat domain 12	Wdr12	363237	1,83	up
6039606	7362759	1776132	WD repeat domain 12	Wdr12	363237	1,74	down
6292082	7362759	1776138	WD repeat domain 12	Wdr12	363237	1,73	up
6329090	7362759	1776137	WD repeat domain 12	Wdr12	363237	1,72	down
5845712	7362759	1776139	WD repeat domain 12	Wdr12	363237	1,51	up
6630967	7362759	1776134	WD repeat domain 12	Wdr12	363237	1,47	down
5819096	7362759	1776133	WD repeat domain 12	Wdr12	363237	1,40	up
5818528	7362759	1776140	WD repeat domain 12	Wdr12	363237	1,37	up
6657652	7362759	1776144	WD repeat domain 12	Wdr12	363237	1,22	down
6694907	7362759	1776136	WD repeat domain 12	Wdr12	363237	1,14	up
6366719	7362759	1776141	WD repeat domain 12	Wdr12	363237	1,14	down
5700721	7362759	1776134	WD repeat domain 12	Wdr12	363237	1,05	down
6703643	7362759	1776135	WD repeat domain 12	Wdr12	363237	1,02	down
5852798	7322388	1677328	WD repeat domain 18	Wdr18	314617	2,19	up
5938187	7322388	1677324	WD repeat domain 18	Wdr18	314617	1,56	up
6697997	7322388	1677321	WD repeat domain 18	Wdr18	314617	1,28	up
6721550	7322388	1677322	WD repeat domain 18	Wdr18	314617	1,15	up
6481630	7322388	1677327	WD repeat domain 18	Wdr18	314617	1,14	down
6058760	7322388	1677320	WD repeat domain 18	Wdr18	314617	1,12	up
6027490	7322388	1677323	WD repeat domain 18	Wdr18	314617	1,05	up
5653656	7322388	1677328	WD repeat domain 18	Wdr18	314617	1,05	up
6172010	7322388	1677326	WD repeat domain 18	Wdr18	314617	1,02	down
5954667	7065810	1045688	WD repeat domain 24	Wdr24	360497	1,46	up
6364341	7065810	1045685	WD repeat domain 24	Wdr24	360497	1,40	up
5888517	7065810	1045686	WD repeat domain 24	Wdr24	360497	1,21	down
5777884	7065810	1045680	WD repeat domain 24	Wdr24	360497	1,19	down
5785759	7065810	1045684	WD repeat domain 24	Wdr24	360497	1,17	up
6648249	7065810	1045684	WD repeat domain 24	Wdr24	360497	1,16	down
6385446	7065810	1045688	WD repeat domain 24	Wdr24	360497	1,09	up
6608937	7065810	1045688	WD repeat domain 24	Wdr24	360497	1,06	down
6176562	7065810	1045688	WD repeat domain 24	Wdr24	360497	1,03	up
6297660	7065810	1045687	WD repeat domain 24	Wdr24	360497	1,01	down
6634626	7274737	1559116	WD repeat domain 32	Wdr32	313242	2,87	down
6492248	7274737	1559116	WD repeat domain 32	Wdr32	313242	1,67	down
5850046	7274737	1559121	WD repeat domain 32	Wdr32	313242	1,38	up
6127212	7274737	1559121	WD repeat domain 32	Wdr32	313242	1,30	up
6413864	7274737	1559120	WD repeat domain 32	Wdr32	313242	1,28	down
5859438	7274737	1559122	WD repeat domain 32	Wdr32	313242	1,26	down
6408298	7274737	1559123	WD repeat domain 32	Wdr32	313242	1,15	up
5880194	7274737	1559117	WD repeat domain 32	Wdr32	313242	1,10	down
6285708	7274737	1559119	WD repeat domain 32	Wdr32	313242	1,10	up
5676601	7274737	1559120	WD repeat domain 32	Wdr32	313242	1,09	up
5959247	7274737	1559123	WD repeat domain 32	Wdr32	313242	1,08	up
5994713	7274737	1559116	WD repeat domain 32	Wdr32	313242	1,01	up

6401575	7296131	1611484	WD repeat domain 35-like	Wdr351	503018	1,74	up
5627612	7296131	1611501	WD repeat domain 35-like	Wdr351	503018	1,73	down
6205427	7296131	1611479	WD repeat domain 35-like	Wdr351	503018	1,71	up
6268987	7296131	1611482	WD repeat domain 35-like	Wdr351	503018	1,54	up
5696075	7296131	1611480	WD repeat domain 35-like	Wdr351	503018	1,46	up
5901095	7296131	1611502	WD repeat domain 35-like	Wdr351	503018	1,39	down
6286090	7296131	1611503	WD repeat domain 35-like	Wdr351	503018	1,39	down
6394671	7296131	1611498	WD repeat domain 35-like	Wdr351	503018	1,37	up
5813251	7296131	1611494	WD repeat domain 35-like	Wdr351	503018	1,33	down
6335771	7296131	1611490	WD repeat domain 35-like	Wdr351	503018	1,33	down
6510885	7296131	1611497	WD repeat domain 35-like	Wdr351	503018	1,28	down
6571040	7296131	1611485	WD repeat domain 35-like	Wdr351	503018	1,25	up
6349462	7296131	1611499	WD repeat domain 35-like	Wdr351	503018	1,15	down
5850699	7296131	1611483	WD repeat domain 35-like	Wdr351	503018	1,15	up
6672894	7296131	1611495	WD repeat domain 35-like	Wdr351	503018	1,14	down
6320128	7296131	1611496	WD repeat domain 35-like	Wdr351	503018	1,14	up
5731982	7296131	1611503	WD repeat domain 35-like	Wdr351	503018	1,08	down
6233609	7296131	1611486	WD repeat domain 35-like	Wdr351	503018	1,06	down
6453736	7296131	1611493	WD repeat domain 35-like	Wdr351	503018	1,04	down
5795291	7296131	1611500	WD repeat domain 35-like	Wdr351	503018	1,03	up
6356323	7296131	1611488	WD repeat domain 35-like	Wdr351	503018	1,02	up
6139627	7296131	1611487	WD repeat domain 35-like	Wdr351	503018	1,01	down
6103588	7168979	1297201	WD repeat domain 36	Wdr36	361305	1,36	up
6690139	7266532	1538299	WD repeat domain 54	Wdr54	500226	1,99	up
6553525	7266532	1538298	WD repeat domain 54	Wdr54	500226	1,55	up
6125413	7266532	1538297	WD repeat domain 54	Wdr54	500226	1,51	up
6422092	7266532	1538301	WD repeat domain 54	Wdr54	500226	1,34	down
6619515	7266532	1538302	WD repeat domain 54	Wdr54	500226	1,28	up
5904261	7266532	1538294	WD repeat domain 54	Wdr54	500226	1,24	down
5822239	7266532	1538296	WD repeat domain 54	Wdr54	500226	1,23	up
6394473	7266532	1538300	WD repeat domain 54	Wdr54	500226	1,16	down
6658279	7266532	1538291	WD repeat domain 54	Wdr54	500226	1,14	down
6231453	7266532	1538293	WD repeat domain 54	Wdr54	500226	1,11	down
6211389	7266532	1538293	WD repeat domain 54	Wdr54	500226	1,10	up
6596041	7266532	1538302	WD repeat domain 54	Wdr54	500226	1,09	down
5871889	7266532	1538292	WD repeat domain 54	Wdr54	500226	1,09	down
6464668	7266532	1538295	WD repeat domain 54	Wdr54	500226	1,08	up
6328429	7350032	1745149	WD repeat domain 6	Wdr6	301007	4,54	up
6295331	7350032	1745147	WD repeat domain 6	Wdr6	301007	1,28	down
6634621	7350032	1745148	WD repeat domain 6	Wdr6	301007	1,04	down
6413114	7317204	1665382	WD repeat domain 67	Wdr67	299949	2,07	up
5869972	7317204	1665371	WD repeat domain 67	Wdr67	299949	1,61	up
5875707	7317204	1665384	WD repeat domain 67	Wdr67	299949	1,58	up
6692788	7317204	1665372	WD repeat domain 67	Wdr67	299949	1,41	up
5889468	7317204	1665400	WD repeat domain 67	Wdr67	299949	1,33	down
6088948	7317204	1665389	WD repeat domain 67	Wdr67	299949	1,29	down
5739456	7317204	1665375	WD repeat domain 67	Wdr67	299949	1,28	up
6186433	7317204	1665399	WD repeat domain 67	Wdr67	299949	1,28	down
5686836	7317204	1665389	WD repeat domain 67	Wdr67	299949	1,28	down
6540594	7317204	1665396	WD repeat domain 67	Wdr67	299949	1,24	down
6613345	7317204	1665386	WD repeat domain 67	Wdr67	299949	1,19	up
5708806	7317204	1665387	WD repeat domain 67	Wdr67	299949	1,18	down
5947193	7317204	1665378	WD repeat domain 67	Wdr67	299949	1,14	down
6260272	7317204	1665404	WD repeat domain 67	Wdr67	299949	1,14	down
6019024	7317204	1665389	WD repeat domain 67	Wdr67	299949	1,13	down
5655763	7317204	1665390	WD repeat domain 67	Wdr67	299949	1,12	down
6421803	7317204	1665397	WD repeat domain 67	Wdr67	299949	1,10	down

6669729	7317204	1665401	WD repeat domain 67	Wdr67	299949	1,07	down
6290435	7317204	1665380	WD repeat domain 67	Wdr67	299949	1,07	up
6453441	7317204	1665407	WD repeat domain 67	Wdr67	299949	1,05	down
6059175	7317204	1665385	WD repeat domain 67	Wdr67	299949	1,04	down
5649093	7317204	1665379	WD repeat domain 67	Wdr67	299949	1,03	up
5924771	7317204	1665376	WD repeat domain 67	Wdr67	299949	1,03	up
5963362	7317204	1665406	WD repeat domain 67	Wdr67	299949	1,02	down
5922949	7317204	1665383	WD repeat domain 67	Wdr67	299949	1,01	up
6129382	7053620	1017790	WD repeat domain 73	Wdr73	308751	2,22	up
5866069	7053620	1017786	WD repeat domain 73	Wdr73	308751	1,95	up
5827716	7053620	1017789	WD repeat domain 73	Wdr73	308751	1,64	down
6280752	7053620	1017791	WD repeat domain 73	Wdr73	308751	1,48	up
5949489	7053620	1017793	WD repeat domain 73	Wdr73	308751	1,44	up
6529081	7053620	1017792	WD repeat domain 73	Wdr73	308751	1,39	up
5739487	7053620	1017789	WD repeat domain 73	Wdr73	308751	1,21	up
6458720	7053620	1017787	WD repeat domain 73	Wdr73	308751	1,21	down
5691115	7053620	1017794	WD repeat domain 73	Wdr73	308751	1,14	down
5654948	7053620	1017786	WD repeat domain 73	Wdr73	308751	1,03	down
6487450	7039463	984253	WD repeat domain 74	Wdr74	690229	1,89	up
6005701	7039463	984251	WD repeat domain 74	Wdr74	690229	1,46	up
6388923	7039463	984249	WD repeat domain 74	Wdr74	690229	1,39	up
6378729	7039463	984243	WD repeat domain 74	Wdr74	690229	1,37	down
5903189	7039463	984248	WD repeat domain 74	Wdr74	690229	1,36	up
6035198	7039463	984245	WD repeat domain 74	Wdr74	690229	1,30	down
6304624	7039463	984247	WD repeat domain 74	Wdr74	690229	1,28	up
5761100	7039463	984252	WD repeat domain 74	Wdr74	690229	1,21	up
6312875	7039463	984254	WD repeat domain 74	Wdr74	690229	1,10	down
6708648	7039463	984254	WD repeat domain 74	Wdr74	690229	1,09	up
6418282	7039463	984244	WD repeat domain 74	Wdr74	690229	1,06	up
5903520	7039463	984252	WD repeat domain 74	Wdr74	690229	1,01	up
6695524	7289382	1595188	WD repeat domain 78	Wdr78	313417	2,02	down
6143807	7289382	1595205	WD repeat domain 78	Wdr78	313417	1,61	up
5981440	7289382	1595207	WD repeat domain 78	Wdr78	313417	1,48	down
6688619	7289382	1595191	WD repeat domain 78	Wdr78	313417	1,45	down
5775761	7289382	1595186	WD repeat domain 78	Wdr78	313417	1,44	down
6523334	7289382	1595189	WD repeat domain 78	Wdr78	313417	1,31	up
6655774	7289382	1595188	WD repeat domain 78	Wdr78	313417	1,24	down
6657696	7289382	1595201	WD repeat domain 78	Wdr78	313417	1,14	down
5877307	7289382	1595203	WD repeat domain 78	Wdr78	313417	1,14	up
6125213	7289382	1595194	WD repeat domain 78	Wdr78	313417	1,13	down
5757813	7289382	1595195	WD repeat domain 78	Wdr78	313417	1,11	up
5956473	7289382	1595184	WD repeat domain 78	Wdr78	313417	1,09	down
5671504	7289382	1595192	WD repeat domain 78	Wdr78	313417	1,08	up
5659439	7289382	1595195	WD repeat domain 78	Wdr78	313417	1,08	up
6111530	7289382	1595190	WD repeat domain 78	Wdr78	313417	1,06	up
6181539	7289382	1595208	WD repeat domain 78	Wdr78	313417	1,03	up
6622956	7289382	1595203	WD repeat domain 78	Wdr78	313417	1,02	up
6142033	7289382	1595202	WD repeat domain 78	Wdr78	313417	1,02	up
6319197	7289382	1595204	WD repeat domain 78	Wdr78	313417	1,02	up
5875317	7289382	1595197	WD repeat domain 78	Wdr78	313417	1,02	up
6723972	7289382	1595212	WD repeat domain 78	Wdr78	313417	1,01	down
5898484	7035407	974445	wee 1 homolog (S. pombe)	Wee1	308937	2,25	down
6461212	7035407	974454	wee 1 homolog (S. pombe)	Wee1	308937	2,16	up
5960532	7035407	974447	wee 1 homolog (S. pombe)	Wee1	308937	1,77	down
6640086	7035407	974445	wee 1 homolog (S. pombe)	Wee1	308937	1,75	down
6286860	7035407	974445	wee 1 homolog (S. pombe)	Wee1	308937	1,61	down
5915094	7035407	974455	wee 1 homolog (S. pombe)	Wee1	308937	1,32	up

6147725	7035407	974456	wee 1 homolog (S. pombe)	Wee1	308937	1,18	down
6475386	7035407	974450	wee 1 homolog (S. pombe)	Wee1	308937	1,15	down
6471218	7035407	974455	wee 1 homolog (S. pombe)	Wee1	308937	1,14	down
5677837	7035407	974452	wee 1 homolog (S. pombe)	Wee1	308937	1,11	up
6208829	7035407	974456	wee 1 homolog (S. pombe)	Wee1	308937	1,10	up
6487108	7035407	974449	wee 1 homolog (S. pombe)	Wee1	308937	1,10	down
5741912	7035407	974448	wee 1 homolog (S. pombe)	Wee1	308937	1,08	up
6454363	7035407	974456	wee 1 homolog (S. pombe)	Wee1	308937	1,07	down
6682727	7035407	974446	wee 1 homolog (S. pombe)	Wee1	308937	1,06	down
5923024	7035407	974451	wee 1 homolog (S. pombe)	Wee1	308937	1,03	up
6149902	7035407	974453	wee 1 homolog (S. pombe)	Wee1	308937	1,03	down
5632131	7035407	974445	wee 1 homolog (S. pombe)	Wee1	308937	1,02	up
5995232	7035407	974445	wee 1 homolog (S. pombe)	Wee1	308937	1,01	up
5973131	7103420	1136170	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,70	up
5717825	7103420	1136175	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,49	up
6565361	7103420	1136179	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,30	down
6196161	7103420	1136174	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,13	up
6379322	7103420	1136173	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,11	down
6387598	7103420	1136178	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,10	down
6180313	7103420	1136176	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,09	up
6168902	7103420	1136170	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,07	down
5874146	7103420	1136171	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,03	down
5755298	7103420	1136172	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,03	down
6347082	7103420	1136177	Williams Beuren syndrome chromosome region 22	Wbscr22	368084	1,00	up
6679057	7101362	1130823	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	2,70	up
5932580	7101362	1130821	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,95	up
6351156	7101362	1130825	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,71	up
5950519	7101362	1130819	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,61	up
5862522	7101362	1130824	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,50	down
5885115	7101362	1130819	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,35	down
6109496	7101362	1130819	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,22	down
6405775	7101362	1130826	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,13	down
6010221	7101362	1130821	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,12	down
5770539	7101362	1130820	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,10	up
6746432	7101362	1130821	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,06	up
6408193	7101362	1130818	Williams Beuren syndrome chromosome region 27	Wbscr27	688407	1,05	down
5762480	7097536	1121126	Williams-Beuren syndrome chromosome region 28 (human)	Wbscr28	288604	2,31	up
6369685	7230801	1449267	Wilms tumor 1	Wt1	24883	2,21	up
6472337	7230801	1449275	Wilms tumor 1	Wt1	24883	1,95	down
5867810	7230801	1449273	Wilms tumor 1	Wt1	24883	1,48	up
6649156	7230801	1449270	Wilms tumor 1	Wt1	24883	1,38	down
6522357	7230801	1449266	Wilms tumor 1	Wt1	24883	1,23	up
6290775	7230801	1449274	Wilms tumor 1	Wt1	24883	1,16	down
5779468	7230801	1449272	Wilms tumor 1	Wt1	24883	1,16	down
6565175	7230801	1449268	Wilms tumor 1	Wt1	24883	1,14	down
5757948	7230801	1449266	Wilms tumor 1	Wt1	24883	1,10	down
6402850	7230801	1449266	Wilms tumor 1	Wt1	24883	1,07	up
6136573	7230801	1449271	Wilms tumor 1	Wt1	24883	1,03	down
6396775	7230801	1449269	Wilms tumor 1	Wt1	24883	1,02	down
6327008	7230801	1449266	Wilms tumor 1	Wt1	24883	1,00	down
6197288	7262570	1528992	wingless-type MMTV integration site family member 2	Wnt2	114487	1,14	down
6259809	7262570	1528990	wingless-type MMTV integration site family member 2	Wnt2	114487	1,04	up
6478769	7262570	1528992	wingless-type MMTV integration site family member 2	Wnt2	114487	1,02	up
6187534	7320544	1673752	wingless-type MMTV integration site family, member 1	Wnt1	24881	2,12	up
6252895	7320544	1673754	wingless-type MMTV integration site family, member 1	Wnt1	24881	1,81	down
6604509	7320544	1673755	wingless-type MMTV integration site family, member 1	Wnt1	24881	1,54	down
6368420	7320544	1673753	wingless-type MMTV integration site family, member 1	Wnt1	24881	1,18	up

6239247	7320544	1673755	wingless-type MMTV integration site family, member 1	Wnt1	24881	1,13	up
6344427	7072578	1062206	wingless-type MMTV integration site family, member 3	Wnt3	24882	2,05	up
6272783	7072578	1062206	wingless-type MMTV integration site family, member 3	Wnt3	24882	1,26	up
6542969	7072578	1062209	wingless-type MMTV integration site family, member 3	Wnt3	24882	1,25	down
6280939	7072578	1062211	wingless-type MMTV integration site family, member 3	Wnt3	24882	1,08	down
6433831	7072578	1062208	wingless-type MMTV integration site family, member 3	Wnt3	24882	1,02	down
6160675	7072578	1062211	wingless-type MMTV integration site family, member 3	Wnt3	24882	1,01	down
6552833	7072269	1061526	WNK lysine deficient protein kinase 4	Wnk4	287715	2,49	up
6254165	7072269	1061517	WNK lysine deficient protein kinase 4	Wnk4	287715	2,32	down
5619252	7072269	1061523	WNK lysine deficient protein kinase 4	Wnk4	287715	1,95	up
6096702	7072269	1061529	WNK lysine deficient protein kinase 4	Wnk4	287715	1,93	down
6097393	7072269	1061532	WNK lysine deficient protein kinase 4	Wnk4	287715	1,88	up
6535321	7072269	1061521	WNK lysine deficient protein kinase 4	Wnk4	287715	1,43	down
6481193	7072269	1061513	WNK lysine deficient protein kinase 4	Wnk4	287715	1,38	down
5974372	7072269	1061514	WNK lysine deficient protein kinase 4	Wnk4	287715	1,26	up
5881282	7072269	1061530	WNK lysine deficient protein kinase 4	Wnk4	287715	1,21	up
6077265	7072269	1061513	WNK lysine deficient protein kinase 4	Wnk4	287715	1,20	up
6736329	7072269	1061528	WNK lysine deficient protein kinase 4	Wnk4	287715	1,19	up
5636191	7072269	1061522	WNK lysine deficient protein kinase 4	Wnk4	287715	1,16	down
6170010	7072269	1061520	WNK lysine deficient protein kinase 4	Wnk4	287715	1,15	up
6175524	7072269	1061524	WNK lysine deficient protein kinase 4	Wnk4	287715	1,15	down
6294248	7072269	1061516	WNK lysine deficient protein kinase 4	Wnk4	287715	1,14	down
6263839	7072269	1061519	WNK lysine deficient protein kinase 4	Wnk4	287715	1,12	down
6575196	7072269	1061527	WNK lysine deficient protein kinase 4	Wnk4	287715	1,12	up
6558963	7072269	1061531	WNK lysine deficient protein kinase 4	Wnk4	287715	1,11	up
6335148	7072269	1061526	WNK lysine deficient protein kinase 4	Wnk4	287715	1,10	down
5669079	7072269	1061515	WNK lysine deficient protein kinase 4	Wnk4	287715	1,08	down
5683100	7072269	1061525	WNK lysine deficient protein kinase 4	Wnk4	287715	1,06	up
6341618	7072269	1061518	WNK lysine deficient protein kinase 4	Wnk4	287715	1,05	down
5821692	7072269	1061527	WNK lysine deficient protein kinase 4	Wnk4	287715	1,03	up
6053521	7072269	1061532	WNK lysine deficient protein kinase 4	Wnk4	287715	1,00	down
6548309	7266530	1538282	WW domain binding protein 1	Wbp1	297381	2,10	up
6127541	7266530	1538283	WW domain binding protein 1	Wbp1	297381	1,44	down
6243498	7266530	1538282	WW domain binding protein 1	Wbp1	297381	1,41	down
6294674	7266530	1538280	WW domain binding protein 1	Wbp1	297381	1,27	down
5936499	7266530	1538281	WW domain binding protein 1	Wbp1	297381	1,26	down
6492907	7266530	1538280	WW domain binding protein 1	Wbp1	297381	1,22	up
5964916	7266530	1538280	WW domain binding protein 1	Wbp1	297381	1,20	down
5674494	7266530	1538279	WW domain binding protein 1	Wbp1	297381	1,16	down
6251688	7266530	1538284	WW domain binding protein 1	Wbp1	297381	1,14	up
6641415	7266530	1538282	WW domain binding protein 1	Wbp1	297381	1,06	up
6732275	7270558	1548510	WW domain binding protein 11	Wbp11	297695	2,73	down
5749380	7270558	1548503	WW domain binding protein 11	Wbp11	297695	1,52	down
5820373	7270558	1548501	WW domain binding protein 11	Wbp11	297695	1,46	down
6002094	7270558	1548500	WW domain binding protein 11	Wbp11	297695	1,38	up
6649592	7270558	1548510	WW domain binding protein 11	Wbp11	297695	1,26	up
6251485	7270558	1548501	WW domain binding protein 11	Wbp11	297695	1,26	down
6280758	7270558	1548506	WW domain binding protein 11	Wbp11	297695	1,21	down
6106392	7270558	1548505	WW domain binding protein 11	Wbp11	297695	1,19	up
6068167	7270558	1548504	WW domain binding protein 11	Wbp11	297695	1,07	up
6590082	7270558	1548508	WW domain binding protein 11	Wbp11	297695	1,04	up
6259723	7270558	1548507	WW domain binding protein 11	Wbp11	297695	1,04	down
5867961	7270558	1548506	WW domain binding protein 11	Wbp11	297695	1,03	down
5866411	7270558	1548502	WW domain binding protein 11	Wbp11	297695	1,02	up
6317656	7270558	1548509	WW domain binding protein 11	Wbp11	297695	1,01	down
5651774	7270558	1548507	WW domain binding protein 11	Wbp11	297695	1,00	up
6462762	7180804	1326998	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	4,57	down

5772201	7180804	1326994	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,98	up
5819708	7180804	1326973	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,76	down
6484960	7180804	1327006	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,62	up
6695574	7180804	1327008	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,58	up
6744172	7180804	1326971	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,50	up
6733778	7180804	1327014	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,50	up
5626424	7180804	1327000	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,49	up
6488825	7180804	1327013	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,34	down
6582744	7180804	1326983	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,31	up
6139865	7180804	1327003	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,29	up
6482006	7180804	1327010	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,21	up
6732314	7180804	1327004	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,20	up
6582697	7180804	1326990	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,19	up
5907187	7180804	1326999	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,15	down
6372594	7180804	1326992	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,15	up
6062183	7180804	1327012	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,13	down
5955533	7180804	1327009	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,13	up
5663979	7180804	1326991	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,09	down
6190932	7180804	1326970	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,08	up
6486341	7180804	1326974	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,06	up
6399955	7180804	1327001	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,06	down
6072409	7180804	1327011	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,03	down
6140992	7180804	1326985	WW domain containing E3 ubiquitin protein ligase 2	Wwp2	291999	1,01	down
6465862	7208847	1396324	WW domain containing transcription regulator 1	Wwtr1	295062	2,38	down
5765502	7208847	1396320	WW domain containing transcription regulator 1	Wwtr1	295062	1,48	up
5866749	7208847	1396340	WW domain containing transcription regulator 1	Wwtr1	295062	1,36	up
6097029	7208847	1396319	WW domain containing transcription regulator 1	Wwtr1	295062	1,19	up
5864156	7208847	1396340	WW domain containing transcription regulator 1	Wwtr1	295062	1,13	down
6704926	7208847	1396341	WW domain containing transcription regulator 1	Wwtr1	295062	1,13	up
5739167	7208847	1396327	WW domain containing transcription regulator 1	Wwtr1	295062	1,12	down
5647862	7208847	1396318	WW domain containing transcription regulator 1	Wwtr1	295062	1,12	down
6090896	7208847	1396320	WW domain containing transcription regulator 1	Wwtr1	295062	1,10	up
6617355	7208847	1396318	WW domain containing transcription regulator 1	Wwtr1	295062	1,04	up
6191597	7208847	1396324	WW domain containing transcription regulator 1	Wwtr1	295062	1,00	up
6651225	7181286	1328456	WW domain-containing oxidoreductase	Wwox	292041	1,59	down
6293625	7181286	1328453	WW domain-containing oxidoreductase	Wwox	292041	1,30	down
6268848	7181286	1328455	WW domain-containing oxidoreductase	Wwox	292041	1,23	down
6132082	7181286	1328457	WW domain-containing oxidoreductase	Wwox	292041	1,08	down
6645239	7181286	1328474	WW domain-containing oxidoreductase	Wwox	292041	1,05	up
6449486	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,67	up
5679516	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,43	up
5731637	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,34	down
6287593	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,33	up
6403998	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,32	down
5950079	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,20	up
5773743	7350922	1747315	xin actin-binding repeat containing 1	Xirp1	316071	1,18	down
6234867	7350922	1747314	xin actin-binding repeat containing 1	Xirp1	316071	1,09	down
5972629	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,06	up
5633854	7350922	1747316	xin actin-binding repeat containing 1	Xirp1	316071	1,00	down
6042048	7378809	1818110	X-linked inhibitor of apoptosis	Xiap	63879	2,17	down
6414066	7378809	1818113	X-linked inhibitor of apoptosis	Xiap	63879	1,58	up
6382377	7378809	1818114	X-linked inhibitor of apoptosis	Xiap	63879	1,45	down
6127328	7378809	1818111	X-linked inhibitor of apoptosis	Xiap	63879	1,36	down
5776019	7378809	1818113	X-linked inhibitor of apoptosis	Xiap	63879	1,26	up
5695252	7378809	1818112	X-linked inhibitor of apoptosis	Xiap	63879	1,20	down
5802183	7378809	1818115	X-linked inhibitor of apoptosis	Xiap	63879	1,05	up
6570212	7378809	1818109	X-linked inhibitor of apoptosis	Xiap	63879	1,04	up

6184973	7378809	1818108	X-linked inhibitor of apoptosis	Xiap	63879	1,02	down
6205627	7029638	959872	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	2,28	down
6219828	7029638	959880	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,75	up
5871440	7029638	959886	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,50	down
6141262	7029638	959885	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,33	up
5811212	7029638	959884	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,33	up
6234499	7029638	959883	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,26	up
6143230	7029638	959881	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,25	up
6692006	7029638	959882	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,24	up
6369154	7029638	959888	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,20	up
6299470	7029638	959889	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,20	up
6156981	7029638	959873	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,17	up
6592111	7029638	959876	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,15	up
6503519	7029638	959874	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,14	up
5718365	7029638	959880	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,13	down
6589027	7029638	959879	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,04	down
6295397	7029638	959878	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,04	up
6627158	7029638	959875	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,03	up
6110047	7029638	959887	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,02	up
6684039	7029638	959877	X-ray repair complementing defective repair in Chinese hamster cells 1	Xrcc1	84495	1,01	up
6326852	7069142	1053881	Y box binding protein 2	Ybx2	303250	1,12	up
6557845	7069142	1053881	Y box binding protein 2	Ybx2	303250	1,11	up
6713144	7069142	1053881	Y box binding protein 2	Ybx2	303250	1,00	up
6135055	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	2,29	down
6183191	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,70	up
5758787	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,45	down
5635542	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,30	up
5757363	7303722	1631713	yippee-like 5 (Drosophila)	Ypel5	298792	1,20	up
6210207	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,12	down
5783148	7303722	1631712	yippee-like 5 (Drosophila)	Ypel5	298792	1,02	down
5636433	7303722	1631722	yippee-like 5 (Drosophila)	Ypel5	298792	1,00	down
5764204	7301653	1626016	YY1 transcription factor	Yy1	24919	2,07	down
5918691	7301653	1626021	YY1 transcription factor	Yy1	24919	1,81	up
5848245	7301653	1626016	YY1 transcription factor	Yy1	24919	1,49	down
5679135	7301653	1626017	YY1 transcription factor	Yy1	24919	1,31	down
6496093	7301653	1626015	YY1 transcription factor	Yy1	24919	1,21	down
6665339	7301653	1626018	YY1 transcription factor	Yy1	24919	1,16	up
6366511	7301653	1626019	YY1 transcription factor	Yy1	24919	1,14	up
6316502	7301653	1626016	YY1 transcription factor	Yy1	24919	1,12	down
6244973	7301653	1626020	YY1 transcription factor	Yy1	24919	1,09	up
6099610	7301653	1626022	YY1 transcription factor	Yy1	24919	1,07	down
5980249	7301653	1626016	YY1 transcription factor	Yy1	24919	1,02	down
6252912	7353455	1753384	zeta-chain (TCR) associated protein kinase	Zap70	301348	2,16	down
5745867	7353455	1753387	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,76	down
6553874	7353455	1753381	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,62	up
6103828	7353455	1753391	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,36	up
5972730	7353455	1753382	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,29	down
6047021	7353455	1753390	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,24	up
5969134	7353455	1753388	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,20	up
6317600	7353455	1753385	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,19	up
6025569	7353455	1753392	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,12	up
5788468	7353455	1753383	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,09	down
5746316	7353455	1753386	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,07	down
5639368	7353455	1753380	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,05	up
6499800	7353455	1753389	zeta-chain (TCR) associated protein kinase	Zap70	301348	1,02	down
5649718	7374740	1808633	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,95	down
6637505	7374740	1808621	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,74	up

6018419	7374740	1808635	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,56	down
6430212	7374740	1808632	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,44	down
5865572	7374740	1808624	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,36	down
6312327	7374740	1808626	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,30	up
5718302	7374740	1808625	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,24	up
6432159	7374740	1808631	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,24	up
6520435	7374740	1808629	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,21	down
6205719	7374740	1808630	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,18	down
5643823	7374740	1808620	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,16	down
6571872	7374740	1808623	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,15	up
6512590	7374740	1808635	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,13	down
5870014	7374740	1808623	zinc finger (CCCH type), RNA binding motif and serine/arginine rich 2	Zrsr2	302670	1,06	down
6031959	7206349	1390453	zinc finger and BTB domain containing 10	Zbtb10	80338	2,58	down
6597112	7206349	1390454	zinc finger and BTB domain containing 10	Zbtb10	80338	1,54	down
6487212	7206349	1390448	zinc finger and BTB domain containing 10	Zbtb10	80338	1,27	up
6353474	7206349	1390453	zinc finger and BTB domain containing 10	Zbtb10	80338	1,27	up
6316284	7206349	1390452	zinc finger and BTB domain containing 10	Zbtb10	80338	1,25	down
5769426	7206349	1390447	zinc finger and BTB domain containing 10	Zbtb10	80338	1,22	down
6240912	7206349	1390447	zinc finger and BTB domain containing 10	Zbtb10	80338	1,19	up
5917184	7206349	1390454	zinc finger and BTB domain containing 10	Zbtb10	80338	1,15	down
6003532	7206349	1390449	zinc finger and BTB domain containing 10	Zbtb10	80338	1,14	down
6426566	7206349	1390446	zinc finger and BTB domain containing 10	Zbtb10	80338	1,13	down
6724466	7206349	1390450	zinc finger and BTB domain containing 10	Zbtb10	80338	1,11	up
6041637	7206349	1390451	zinc finger and BTB domain containing 10	Zbtb10	80338	1,09	up
5677605	7206349	1390446	zinc finger and BTB domain containing 10	Zbtb10	80338	1,06	up
6537255	7093296	1110982	zinc finger and BTB domain containing 20	Zbtb20	288105	1,61	down
6505677	7093296	1110912	zinc finger and BTB domain containing 20	Zbtb20	288105	1,58	up
6577970	7093296	1110962	zinc finger and BTB domain containing 20	Zbtb20	288105	1,57	down
5649233	7093296	1110913	zinc finger and BTB domain containing 20	Zbtb20	288105	1,50	down
6372496	7093296	1110908	zinc finger and BTB domain containing 20	Zbtb20	288105	1,42	down
5731878	7093296	1110926	zinc finger and BTB domain containing 20	Zbtb20	288105	1,34	down
6036562	7093296	1110971	zinc finger and BTB domain containing 20	Zbtb20	288105	1,24	down
6424128	7093296	1110894	zinc finger and BTB domain containing 20	Zbtb20	288105	1,21	down
6710445	7093296	1110963	zinc finger and BTB domain containing 20	Zbtb20	288105	1,19	up
5874152	7093296	1110894	zinc finger and BTB domain containing 20	Zbtb20	288105	1,17	down
5715748	7093296	1110939	zinc finger and BTB domain containing 20	Zbtb20	288105	1,06	down
5921513	7093296	1110896	zinc finger and BTB domain containing 20	Zbtb20	288105	1,04	down
6060714	7093296	1110969	zinc finger and BTB domain containing 20	Zbtb20	288105	1,04	up
6704172	7093296	1110907	zinc finger and BTB domain containing 20	Zbtb20	288105	1,02	up
6356081	7221031	1425348	zinc finger and BTB domain containing 22	Zbtb22	309630	2,26	down
5844912	7221031	1425346	zinc finger and BTB domain containing 22	Zbtb22	309630	1,28	down
5625949	7221031	1425347	zinc finger and BTB domain containing 22	Zbtb22	309630	1,26	up
6402056	7221031	1425347	zinc finger and BTB domain containing 22	Zbtb22	309630	1,14	down
6118487	7221031	1425347	zinc finger and BTB domain containing 22	Zbtb22	309630	1,02	down
6443679	7221031	1425347	zinc finger and BTB domain containing 22	Zbtb22	309630	1,00	down
5725310	7049793	1009015	zinc finger and BTB domain containing 32	Zbtb32	688845	2,12	down
5788579	7049793	1009011	zinc finger and BTB domain containing 32	Zbtb32	688845	1,82	down
5797015	7049793	1009011	zinc finger and BTB domain containing 32	Zbtb32	688845	1,52	up
6261138	7049793	1009015	zinc finger and BTB domain containing 32	Zbtb32	688845	1,45	up
6469864	7049793	1009012	zinc finger and BTB domain containing 32	Zbtb32	688845	1,38	up
6675847	7049793	1009014	zinc finger and BTB domain containing 32	Zbtb32	688845	1,30	up
6698682	7049793	1009011	zinc finger and BTB domain containing 32	Zbtb32	688845	1,25	up
6584779	7049793	1009011	zinc finger and BTB domain containing 32	Zbtb32	688845	1,21	up
5885689	7049793	1009015	zinc finger and BTB domain containing 32	Zbtb32	688845	1,16	down
6419416	7049793	1009015	zinc finger and BTB domain containing 32	Zbtb32	688845	1,12	down
6403715	7049793	1009015	zinc finger and BTB domain containing 32	Zbtb32	688845	1,10	down
6648136	7049793	1009012	zinc finger and BTB domain containing 32	Zbtb32	688845	1,08	up

6233963	7049793	1009013	zinc finger and BTB domain containing 32	Zbtb32	688845	1,07	up
5635962	7049793	1009010	zinc finger and BTB domain containing 32	Zbtb32	688845	1,05	up
6347970	7315934	1661989	zinc finger and BTB domain containing 39	Zbtb39	299510	1,42	up
6522765	7315934	1661989	zinc finger and BTB domain containing 39	Zbtb39	299510	1,03	down
6047989	7315934	1661990	zinc finger and BTB domain containing 39	Zbtb39	299510	1,02	up
6346895	7291309	1599933	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,58	down
5795257	7291309	1599937	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,30	down
6403285	7291309	1599932	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,21	up
5965752	7291309	1599933	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,19	up
6455197	7291309	1599931	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,13	up
5773454	7291309	1599931	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,05	up
5771776	7291309	1599937	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,02	down
6655374	7291309	1599931	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,01	down
6585212	7291309	1599939	zinc finger and BTB domain containing 8a	Zbtb8a	313049	1,00	up
6202877	7291309	1599943	zinc finger and BTB domain containing 8b	Zbtb8b	500553	3,49	down
6293253	7291309	1599946	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,49	down
6181826	7291309	1599945	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,33	down
6651845	7291309	1599944	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,19	up
6454884	7291309	1599945	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,18	down
6612774	7291309	1599946	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,15	down
6498940	7291309	1599945	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,14	down
6295220	7291309	1599946	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,14	down
6395335	7291309	1599943	zinc finger and BTB domain containing 8b	Zbtb8b	500553	1,01	up
6032991	7290942	1599131	zinc finger CCCH type containing 12A	Zc3h12a	313587	3,49	down
5663051	7290942	1599134	zinc finger CCCH type containing 12A	Zc3h12a	313587	3,37	up
5905331	7290942	1599131	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,84	down
6351883	7290942	1599138	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,82	up
6230308	7290942	1599133	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,54	up
5853885	7290942	1599138	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,48	up
6028004	7290942	1599132	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,46	up
5804068	7290942	1599135	zinc finger CCCH type containing 12A	Zc3h12a	313587	1,17	up
5807863	7133484	1209928	zinc finger CCCH type containing 13	Zc3h13	305955	2,87	down
6040686	7133484	1209929	zinc finger CCCH type containing 13	Zc3h13	305955	2,23	down
6091914	7133484	1209931	zinc finger CCCH type containing 13	Zc3h13	305955	1,50	down
6547988	7133484	1209934	zinc finger CCCH type containing 13	Zc3h13	305955	1,29	down
6680587	7133484	1209924	zinc finger CCCH type containing 13	Zc3h13	305955	1,27	down
5715707	7133484	1209926	zinc finger CCCH type containing 13	Zc3h13	305955	1,06	down
6658962	7133484	1209932	zinc finger CCCH type containing 13	Zc3h13	305955	1,05	down
5793940	7133484	1209927	zinc finger CCCH type containing 13	Zc3h13	305955	1,04	down
5943499	7064732	1042915	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,61	up
6616429	7064732	1042923	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,31	up
6260083	7064732	1042934	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,27	up
5830804	7064732	1042936	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,26	up
6350431	7064732	1042935	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,25	down
6573656	7064732	1042928	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,21	up
6062139	7064732	1042920	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,21	up
6737456	7064732	1042912	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,21	down
6545671	7064732	1042919	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,20	up
6371471	7064732	1042918	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,15	down
6119092	7064732	1042926	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,15	down
5677154	7064732	1042921	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,12	up
6521018	7064732	1042925	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,12	up
5657773	7064732	1042932	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,12	up
5678857	7064732	1042911	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,12	up
5817771	7064732	1042916	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,09	down
6283778	7064732	1042927	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,08	up
6015462	7064732	1042913	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,07	up

6695414	7064732	1042917	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,06	up
5645113	7064732	1042932	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,05	up
5673460	7064732	1042924	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,04	up
6632164	7064732	1042933	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,04	down
6350619	7064732	1042914	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,01	up
6719832	7064732	1042922	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,00	down
6360112	7064732	1042922	zinc finger CCCH type containing 7 A	Zc3h7a	360466	1,00	down
6737875	7229382	1446261	zinc finger CCCH-type containing 15	Zc3h15	362154	5,30	down
6566077	7229382	1446262	zinc finger CCCH-type containing 15	Zc3h15	362154	2,11	down
6628350	7229382	1446263	zinc finger CCCH-type containing 15	Zc3h15	362154	1,52	down
5962765	7229382	1446266	zinc finger CCCH-type containing 15	Zc3h15	362154	1,42	down
6177284	7229382	1446271	zinc finger CCCH-type containing 15	Zc3h15	362154	1,37	down
6414720	7229382	1446264	zinc finger CCCH-type containing 15	Zc3h15	362154	1,23	down
6392879	7229382	1446267	zinc finger CCCH-type containing 15	Zc3h15	362154	1,22	up
6472378	7229382	1446269	zinc finger CCCH-type containing 15	Zc3h15	362154	1,19	up
5772082	7229382	1446271	zinc finger CCCH-type containing 15	Zc3h15	362154	1,16	up
6728669	7229382	1446268	zinc finger CCCH-type containing 15	Zc3h15	362154	1,15	up
6364548	7229382	1446271	zinc finger CCCH-type containing 15	Zc3h15	362154	1,12	up
6489732	7229382	1446261	zinc finger CCCH-type containing 15	Zc3h15	362154	1,09	down
6686879	7229382	1446270	zinc finger CCCH-type containing 15	Zc3h15	362154	1,06	up
6316344	7229382	1446265	zinc finger CCCH-type containing 15	Zc3h15	362154	1,05	up
6432559	7319151	1670116	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,75	down
6188341	7319151	1670117	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,35	down
6207249	7319151	1670124	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,34	up
6115782	7319151	1670122	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,31	up
6492066	7319151	1670139	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,23	up
6579453	7319151	1670126	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,21	up
5952359	7319151	1670118	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,19	up
5689368	7319151	1670138	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,17	down
6086088	7319151	1670127	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,14	up
6479824	7319151	1670115	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,11	down
5708942	7319151	1670134	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,10	down
6329366	7319151	1670125	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,10	down
5776151	7319151	1670121	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,10	up
6296269	7319151	1670128	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,09	down
5890610	7319151	1670123	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,07	down
5844151	7319151	1670140	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,06	down
6393002	7319151	1670119	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,06	down
6673575	7319151	1670136	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,04	up
6334360	7319151	1670130	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,04	up
6313844	7319151	1670137	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,03	up
6373190	7319151	1670129	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,03	down
6277125	7319151	1670131	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,02	down
6541543	7319151	1670135	zinc finger CCCH-type containing 7B	Zc3h7b	315158	1,00	up
6687173	7048757	1007017	zinc finger protein 111	Zfp111	170849	2,26	down
6400661	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,58	up
5681918	7048757	1007020	zinc finger protein 111	Zfp111	170849	1,57	up
6522901	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,43	up
5796157	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,26	down
6468144	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,26	down
6298615	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,24	up
5769081	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,20	down
6062676	7048757	1007018	zinc finger protein 111	Zfp111	170849	1,19	down
6417937	7048757	1007020	zinc finger protein 111	Zfp111	170849	1,18	up
5873564	7048757	1007019	zinc finger protein 111	Zfp111	170849	1,16	down
5701281	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,13	up
5778899	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,07	up

5988826	7048757	1007017	zinc finger protein 111	Zfp111	170849	1,01	up
6601087	7100408	1128644	zinc finger protein 12	Zfp12	288486	1,18	down
6550420	7204442	1386079	zinc finger protein 131	Zfp131	310375	1,59	up
6182884	7204442	1386081	zinc finger protein 131	Zfp131	310375	1,36	up
5956759	7204442	1386077	zinc finger protein 131	Zfp131	310375	1,30	down
6384814	7204442	1386079	zinc finger protein 131	Zfp131	310375	1,27	down
6449668	7204442	1386080	zinc finger protein 131	Zfp131	310375	1,25	up
6233560	7204442	1386078	zinc finger protein 131	Zfp131	310375	1,19	up
6402315	7204442	1386077	zinc finger protein 131	Zfp131	310375	1,11	down
5978523	7204442	1386079	zinc finger protein 131	Zfp131	310375	1,06	up
6180005	7204442	1386082	zinc finger protein 131	Zfp131	310375	1,04	up
5909667	7035403	974430	zinc finger protein 143	Zfp143	361627	2,20	down
6039081	7035403	974431	zinc finger protein 143	Zfp143	361627	1,78	down
6259117	7035403	974421	zinc finger protein 143	Zfp143	361627	1,77	down
5989159	7035403	974433	zinc finger protein 143	Zfp143	361627	1,77	up
6356255	7035403	974421	zinc finger protein 143	Zfp143	361627	1,75	up
6124659	7035403	974425	zinc finger protein 143	Zfp143	361627	1,58	up
6723418	7035403	974428	zinc finger protein 143	Zfp143	361627	1,39	down
6020592	7035403	974427	zinc finger protein 143	Zfp143	361627	1,31	down
5835336	7035403	974422	zinc finger protein 143	Zfp143	361627	1,28	up
6118217	7035403	974423	zinc finger protein 143	Zfp143	361627	1,27	up
6624706	7035403	974434	zinc finger protein 143	Zfp143	361627	1,20	up
5812384	7035403	974429	zinc finger protein 143	Zfp143	361627	1,20	down
6413494	7035403	974432	zinc finger protein 143	Zfp143	361627	1,15	down
6113330	7035403	974424	zinc finger protein 143	Zfp143	361627	1,10	down
6675684	7035403	974436	zinc finger protein 143	Zfp143	361627	1,09	down
6303635	7035403	974426	zinc finger protein 143	Zfp143	361627	1,09	up
6273611	7035403	974435	zinc finger protein 143	Zfp143	361627	1,08	down
6329856	7120379	1178329	zinc finger protein 278	Zfp278	305471	2,50	down
6213130	7120379	1178334	zinc finger protein 278	Zfp278	305471	1,61	up
5963639	7120379	1178334	zinc finger protein 278	Zfp278	305471	1,40	down
6028987	7120379	1178335	zinc finger protein 278	Zfp278	305471	1,39	up
6679683	7120379	1178335	zinc finger protein 278	Zfp278	305471	1,35	up
6083686	7120379	1178331	zinc finger protein 278	Zfp278	305471	1,28	down
6375758	7120379	1178334	zinc finger protein 278	Zfp278	305471	1,26	up
6236520	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,18	up
6622384	7120379	1178331	zinc finger protein 278	Zfp278	305471	1,14	up
5665091	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,09	up
5905053	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,09	down
5692780	7120379	1178335	zinc finger protein 278	Zfp278	305471	1,05	down
6271079	7120379	1178329	zinc finger protein 278	Zfp278	305471	1,03	down
6531676	7284912	1584857	zinc finger protein 292	Znf292	50552	2,04	down
6088941	7284912	1584858	zinc finger protein 292	Znf292	50552	1,41	up
6453184	7284912	1584857	zinc finger protein 292	Znf292	50552	1,34	down
6526146	7284912	1584857	zinc finger protein 292	Znf292	50552	1,22	up
6661084	7284912	1584857	zinc finger protein 292	Znf292	50552	1,15	down
6598845	7284912	1584858	zinc finger protein 292	Znf292	50552	1,14	up
6664979	7284912	1584857	zinc finger protein 292	Znf292	50552	1,08	down
6427180	7284912	1584857	zinc finger protein 292	Znf292	50552	1,07	down
6534650	7284912	1584858	zinc finger protein 292	Znf292	50552	1,07	up
6637134	7284912	1584857	zinc finger protein 292	Znf292	50552	1,05	up
6633786	7284912	1584858	zinc finger protein 292	Znf292	50552	1,01	up
6286359	7284912	1584857	zinc finger protein 292	Znf292	50552	1,00	down
6226857	7247848	1492045	zinc finger protein 335	Zfp335	259270	2,98	down
6013859	7247848	1492052	zinc finger protein 335	Zfp335	259270	1,41	up
6373986	7247848	1492046	zinc finger protein 335	Zfp335	259270	1,27	down
5851093	7247848	1492049	zinc finger protein 335	Zfp335	259270	1,27	down

6596551	7247848	1492060	zinc finger protein 335	Zfp335	259270	1,22	down
6027544	7247848	1492051	zinc finger protein 335	Zfp335	259270	1,19	up
5984059	7247848	1492053	zinc finger protein 335	Zfp335	259270	1,18	down
6252548	7247848	1492057	zinc finger protein 335	Zfp335	259270	1,16	up
5988610	7247848	1492056	zinc finger protein 335	Zfp335	259270	1,13	down
6250517	7247848	1492050	zinc finger protein 335	Zfp335	259270	1,12	up
6455602	7247848	1492072	zinc finger protein 335	Zfp335	259270	1,12	down
6501024	7247848	1492052	zinc finger protein 335	Zfp335	259270	1,12	down
6318114	7247848	1492047	zinc finger protein 335	Zfp335	259270	1,10	down
5980315	7247848	1492049	zinc finger protein 335	Zfp335	259270	1,10	up
6035090	7247848	1492055	zinc finger protein 335	Zfp335	259270	1,10	up
6568686	7247848	1492059	zinc finger protein 335	Zfp335	259270	1,10	up
6605188	7247848	1492062	zinc finger protein 335	Zfp335	259270	1,06	up
5867650	7247848	1492058	zinc finger protein 335	Zfp335	259270	1,06	down
5767905	7247848	1492054	zinc finger protein 335	Zfp335	259270	1,04	down
6336863	7247848	1492048	zinc finger protein 335	Zfp335	259270	1,04	up
6316082	7247848	1492060	zinc finger protein 335	Zfp335	259270	1,03	down
6403141	7162102	1280359	zinc finger protein 346	Zfp346	306765	2,51	up
6711906	7162102	1280362	zinc finger protein 346	Zfp346	306765	1,85	down
5866480	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,71	up
6423170	7162102	1280361	zinc finger protein 346	Zfp346	306765	1,31	up
6131752	7162102	1280360	zinc finger protein 346	Zfp346	306765	1,14	down
6295528	7162102	1280360	zinc finger protein 346	Zfp346	306765	1,13	down
5638715	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,09	down
5661555	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,08	up
5906982	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,07	down
5837416	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,07	up
5799993	7162102	1280365	zinc finger protein 346	Zfp346	306765	1,06	down
6214866	7162102	1280366	zinc finger protein 346	Zfp346	306765	1,05	down
5897497	7162102	1280358	zinc finger protein 346	Zfp346	306765	1,04	up
5792504	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,02	down
6576431	7162102	1280359	zinc finger protein 346	Zfp346	306765	1,02	down
5943314	7240641	1475713	zinc finger protein 385B	Zfp385b	311137	2,01	down
6522453	7240641	1475714	zinc finger protein 385B	Zfp385b	311137	1,47	up
5712794	7240641	1475711	zinc finger protein 385B	Zfp385b	311137	1,45	up
6225343	7240641	1475712	zinc finger protein 385B	Zfp385b	311137	1,44	down
6556852	7240641	1475731	zinc finger protein 385B	Zfp385b	311137	1,34	up
5698032	7240641	1475764	zinc finger protein 385B	Zfp385b	311137	1,31	up
6544378	7240641	1475712	zinc finger protein 385B	Zfp385b	311137	1,30	down
6128845	7240641	1475739	zinc finger protein 385B	Zfp385b	311137	1,21	up
6077058	7240641	1475764	zinc finger protein 385B	Zfp385b	311137	1,19	down
6048564	7240641	1475714	zinc finger protein 385B	Zfp385b	311137	1,09	up
5728129	7240641	1475715	zinc finger protein 385B	Zfp385b	311137	1,07	down
6366864	7240641	1475725	zinc finger protein 385B	Zfp385b	311137	1,02	down
6429155	7253358	1505841	zinc finger protein 398	Zfp398	500108	2,28	down
6586175	7253358	1505830	zinc finger protein 398	Zfp398	500108	1,42	up
5731264	7253358	1505840	zinc finger protein 398	Zfp398	500108	1,34	down
6066929	7253358	1505830	zinc finger protein 398	Zfp398	500108	1,19	up
6599705	7253358	1505830	zinc finger protein 398	Zfp398	500108	1,19	up
5802563	7253358	1505828	zinc finger protein 398	Zfp398	500108	1,17	down
5640352	7253358	1505839	zinc finger protein 398	Zfp398	500108	1,12	down
6405765	7253358	1505838	zinc finger protein 398	Zfp398	500108	1,05	up
6589982	7253358	1505837	zinc finger protein 398	Zfp398	500108	1,01	down
5974173	7177834	1319597	zinc finger protein 407	Zfp407	307213	1,10	up
6746398	7179467	1323671	zinc finger protein 423	Zfp423	94188	2,47	down
6310463	7179467	1323670	zinc finger protein 423	Zfp423	94188	1,82	up
6690093	7179467	1323672	zinc finger protein 423	Zfp423	94188	1,39	down

6393123	7179467	1323674	zinc finger protein 423	Zfp423	94188	1,18	up
6519029	7179467	1323676	zinc finger protein 423	Zfp423	94188	1,14	down
6398830	7179467	1323677	zinc finger protein 423	Zfp423	94188	1,10	down
6070838	7179467	1323678	zinc finger protein 423	Zfp423	94188	1,10	up
6069467	7179467	1323671	zinc finger protein 423	Zfp423	94188	1,09	down
6391939	7179467	1323671	zinc finger protein 423	Zfp423	94188	1,08	up
5980902	7179467	1323672	zinc finger protein 423	Zfp423	94188	1,06	up
6403697	7179467	1323673	zinc finger protein 423	Zfp423	94188	1,04	down
6699304	7179467	1323678	zinc finger protein 423	Zfp423	94188	1,01	down
5619433	7179467	1323675	zinc finger protein 423	Zfp423	94188	1,01	down
6375084	7275546	1561448	zinc finger protein 483	Znf483	170955	2,86	up
6330475	7275546	1561451	zinc finger protein 483	Znf483	170955	2,01	up
5676019	7275546	1561453	zinc finger protein 483	Znf483	170955	1,96	up
5797529	7275546	1561448	zinc finger protein 483	Znf483	170955	1,69	down
5642487	7275546	1561449	zinc finger protein 483	Znf483	170955	1,51	up
5972983	7275546	1561451	zinc finger protein 483	Znf483	170955	1,22	down
6371728	7275546	1561452	zinc finger protein 483	Znf483	170955	1,20	down
6608779	7275546	1561448	zinc finger protein 483	Znf483	170955	1,16	up
6307934	7275546	1561452	zinc finger protein 483	Znf483	170955	1,13	down
6716768	7275546	1561453	zinc finger protein 483	Znf483	170955	1,11	down
6266860	7275546	1561452	zinc finger protein 483	Znf483	170955	1,08	down
5991901	7275546	1561450	zinc finger protein 483	Znf483	170955	1,06	up
5782705	7275546	1561453	zinc finger protein 483	Znf483	170955	1,02	up
6075957	7275546	1561453	zinc finger protein 483	Znf483	170955	1,00	up
6515980	7172691	1306437	zinc finger protein 516	Znf516	291406	1,19	up
6559914	7171417	1303185	zinc finger protein 532	Znf532	307362	2,05	up
5844824	7171417	1303185	zinc finger protein 532	Znf532	307362	1,43	down
5877758	7171417	1303162	zinc finger protein 532	Znf532	307362	1,41	down
6029744	7171417	1303167	zinc finger protein 532	Znf532	307362	1,34	up
6158484	7171417	1303183	zinc finger protein 532	Znf532	307362	1,33	up
5637288	7171417	1303172	zinc finger protein 532	Znf532	307362	1,26	down
6467465	7171417	1303157	zinc finger protein 532	Znf532	307362	1,21	down
5773894	7171417	1303163	zinc finger protein 532	Znf532	307362	1,20	up
6052666	7171417	1303184	zinc finger protein 532	Znf532	307362	1,19	up
6154387	7171417	1303155	zinc finger protein 532	Znf532	307362	1,08	down
6359309	7171417	1303155	zinc finger protein 532	Znf532	307362	1,04	up
6620613	7171417	1303170	zinc finger protein 532	Znf532	307362	1,03	down
6709009	7036967	978014	zinc finger protein 553	Znf553	308991	2,36	down
6232858	7036967	978017	zinc finger protein 553	Znf553	308991	1,65	down
6170377	7036967	978014	zinc finger protein 553	Znf553	308991	1,58	up
6546677	7036967	978014	zinc finger protein 553	Znf553	308991	1,32	down
6058475	7036967	978016	zinc finger protein 553	Znf553	308991	1,19	up
5918808	7036967	978017	zinc finger protein 553	Znf553	308991	1,13	up
6181971	7036967	978016	zinc finger protein 553	Znf553	308991	1,01	down
6725356	7065570	1045091	zinc finger protein 598	Znf598	287119	2,25	down
6533223	7065570	1045091	zinc finger protein 598	Znf598	287119	1,74	down
6727896	7065570	1045088	zinc finger protein 598	Znf598	287119	1,42	down
5927397	7065570	1045086	zinc finger protein 598	Znf598	287119	1,34	up
5750497	7065570	1045086	zinc finger protein 598	Znf598	287119	1,32	up
6154147	7065570	1045091	zinc finger protein 598	Znf598	287119	1,30	up
6507790	7065570	1045085	zinc finger protein 598	Znf598	287119	1,24	up
6614168	7065570	1045093	zinc finger protein 598	Znf598	287119	1,23	up
6672077	7065570	1045093	zinc finger protein 598	Znf598	287119	1,22	up
5667427	7065570	1045090	zinc finger protein 598	Znf598	287119	1,10	up
6613083	7065570	1045087	zinc finger protein 598	Znf598	287119	1,09	up
6033782	7065570	1045086	zinc finger protein 598	Znf598	287119	1,07	up
6675683	7065570	1045092	zinc finger protein 598	Znf598	287119	1,06	down

6156366	7065570	1045091	zinc finger protein 598	Znf598	287119	1,05	up
6121320	7065570	1045093	zinc finger protein 598	Znf598	287119	1,04	down
6703605	7065570	1045091	zinc finger protein 598	Znf598	287119	1,02	up
6311622	7065570	1045089	zinc finger protein 598	Znf598	287119	1,00	down
6306760	7331508	1699463	zinc finger protein 641	Znf641	300197	2,23	up
6498059	7331508	1699460	zinc finger protein 641	Znf641	300197	1,61	up
5834296	7331508	1699462	zinc finger protein 641	Znf641	300197	1,56	down
5743053	7331508	1699457	zinc finger protein 641	Znf641	300197	1,36	down
6302443	7331508	1699459	zinc finger protein 641	Znf641	300197	1,34	up
5782844	7331508	1699460	zinc finger protein 641	Znf641	300197	1,25	up
6399804	7331508	1699461	zinc finger protein 641	Znf641	300197	1,14	up
6278650	7331508	1699459	zinc finger protein 641	Znf641	300197	1,11	down
6406559	7331508	1699459	zinc finger protein 641	Znf641	300197	1,06	up
5898630	7331508	1699458	zinc finger protein 641	Znf641	300197	1,04	up
5786773	7331508	1699462	zinc finger protein 641	Znf641	300197	1,03	up
6371145	7116023	1167299	zinc finger protein 644	Znf644	305127	2,21	up
6407589	7217192	1415704	zinc finger protein 76 (expressed in testis)	Znf76	361809	2,58	up
6221176	7217192	1415697	zinc finger protein 76 (expressed in testis)	Znf76	361809	2,28	down
5892583	7217192	1415704	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,60	up
5772051	7217192	1415694	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,58	up
6232451	7217192	1415702	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,57	down
5939384	7217192	1415696	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,57	down
6434558	7217192	1415701	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,46	up
6243730	7217192	1415700	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,39	up
6301601	7217192	1415695	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,31	down
6535111	7217192	1415692	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,23	up
5705106	7217192	1415698	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,21	down
6343206	7217192	1415703	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,20	up
5690945	7217192	1415693	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,14	up
6170300	7217192	1415691	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,09	down
6565044	7217192	1415691	zinc finger protein 76 (expressed in testis)	Znf76	361809	1,06	down
6087238	7180721	1326698	zinc finger protein 90	Zfp90	498945	2,46	down
6042054	7180721	1326695	zinc finger protein 90	Zfp90	498945	1,37	down
6193465	7180721	1326697	zinc finger protein 90	Zfp90	498945	1,25	down
6418058	7180721	1326696	zinc finger protein 90	Zfp90	498945	1,14	up
6636023	7180721	1326695	zinc finger protein 90	Zfp90	498945	1,14	down
6529421	7180721	1326698	zinc finger protein 90	Zfp90	498945	1,05	down
5986965	7097084	1119949	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,57	up
6074496	7097084	1119952	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,27	down
6514080	7097084	1119956	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,20	down
5786114	7097084	1119954	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,19	up
6659632	7097084	1119950	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,09	down
6567530	7097084	1119951	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,08	down
5673588	7097084	1119951	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,07	down
5714930	7097084	1119955	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,03	up
6266734	7097084	1119957	zinc finger with KRAB and SCAN domains 1	Zkscan1	498160	1,02	down
6247565	7191866	1354902	zinc finger, AN1-type domain 1	Zfand1	361917	1,30	down
5975305	7191866	1354902	zinc finger, AN1-type domain 1	Zfand1	361917	1,14	up
5775043	7191866	1354902	zinc finger, AN1-type domain 1	Zfand1	361917	1,06	down
6651078	7263222	1530536	zinc finger, C3HC-type containing 1	Zc3hc1	296957	2,02	down
5693783	7263222	1530545	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,73	up
6724785	7263222	1530534	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,54	up
6005869	7263222	1530529	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,34	down
5788264	7263222	1530539	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,32	up
6742375	7263222	1530541	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,29	up
6264824	7263222	1530544	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,26	up
5709027	7263222	1530535	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,23	down

6344639	7263222	1530536	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,22	up
5642838	7263222	1530529	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,16	down
5968579	7263222	1530536	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,13	down
5821926	7263222	1530542	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,09	up
6397300	7263222	1530529	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,05	up
6314181	7263222	1530536	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,04	up
6465810	7263222	1530538	zinc finger, C3HC-type containing 1	Zc3hc1	296957	1,03	up
6427983	7186240	1340819	zinc finger, CCHC domain containing 14	Zcchc14	365018	1,59	down
5736280	7186240	1340819	zinc finger, CCHC domain containing 14	Zcchc14	365018	1,05	down
6381636	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,44	down
6597292	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,31	down
5734550	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,23	down
6704586	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,18	down
6703339	7355244	1758144	zinc finger, DBF-type containing 2	Zdbf2	501153	1,17	down
6610285	7355244	1758147	zinc finger, DBF-type containing 2	Zdbf2	501153	1,16	up
6625326	7355244	1758145	zinc finger, DBF-type containing 2	Zdbf2	501153	1,11	down
6551980	7355244	1758142	zinc finger, DBF-type containing 2	Zdbf2	501153	1,08	up
6029294	7355244	1758146	zinc finger, DBF-type containing 2	Zdbf2	501153	1,01	down
6460805	7355244	1758146	zinc finger, DBF-type containing 2	Zdbf2	501153	1,00	up
6175275	7184931	1337705	zinc finger, DHHC-type containing 1	Zdhhc1	291967	2,11	down
6147442	7184931	1337711	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,57	down
6128414	7184931	1337710	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,47	down
5887328	7184931	1337704	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,34	down
6343050	7184931	1337720	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,33	down
6082005	7184931	1337710	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,32	up
5753804	7184931	1337723	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,28	down
5655703	7184931	1337711	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,26	down
6633706	7184931	1337706	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,22	up
6623018	7184931	1337706	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,22	down
5619228	7184931	1337708	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,18	up
5878805	7184931	1337709	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,15	down
5869304	7184931	1337705	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,13	up
5774691	7184931	1337713	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,11	up
6212926	7184931	1337713	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,10	down
6125617	7184931	1337722	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,04	up
6311023	7184931	1337720	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,02	up
6350430	7184931	1337707	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,00	down
6445295	7184931	1337705	zinc finger, DHHC-type containing 1	Zdhhc1	291967	1,00	up
6032327	7151857	1254937	zinc finger, DHHC-type containing 2	Zdhhc2	246326	2,00	down
6536020	7151857	1254928	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,79	down
6724890	7151857	1254931	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,37	down
6239601	7151857	1254938	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,29	up
5827336	7151857	1254934	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,27	up
6354504	7151857	1254927	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,26	up
6632233	7151857	1254938	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,23	up
6383351	7151857	1254938	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,22	up
6633469	7151857	1254937	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,20	up
6202924	7151857	1254930	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,19	down
6005522	7151857	1254932	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,11	down
6334556	7151857	1254933	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,08	down
6163874	7151857	1254936	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,06	down
5707103	7151857	1254928	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,05	up
6586412	7151857	1254935	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,04	down
6067064	7151857	1254929	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,03	down
6647515	7151857	1254931	zinc finger, DHHC-type containing 2	Zdhhc2	246326	1,02	down
5848295	7088167	1098498	zinc finger, DHHC-type containing 23	Zdhhc23	363783	2,21	up
6688036	7088167	1098497	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,89	down

6641384	7088167	1098499	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,65	up
5935934	7088167	1098498	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,53	up
5804349	7088167	1098497	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,30	down
6205088	7088167	1098500	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,19	down
6193307	7088167	1098501	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,17	down
5718283	7088167	1098497	zinc finger, DHHC-type containing 23	Zdhhc23	363783	1,07	down
6697172	7308262	1643213	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,61	up
6677760	7308262	1643209	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,49	up
6557686	7308262	1643227	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,49	up
6204769	7308262	1643197	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,45	down
5711533	7308262	1643212	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,42	up
6705220	7308262	1643224	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,40	up
5964583	7308262	1643183	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,40	down
6551424	7308262	1643219	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,36	down
6491961	7308262	1643201	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,32	down
6356724	7308262	1643220	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,31	down
6344343	7308262	1643196	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,31	up
5709681	7308262	1643195	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,31	down
6179545	7308262	1643230	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,30	up
6423735	7308262	1643207	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,28	up
6120327	7308262	1643230	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,27	up
6009808	7308262	1643192	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,26	down
6502900	7308262	1643184	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,25	down
6602540	7308262	1643229	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,24	up
5861024	7308262	1643221	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,23	up
5887817	7308262	1643187	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,23	up
6152170	7308262	1643214	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,20	up
5923864	7308262	1643185	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,19	down
6550523	7308262	1643218	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,19	up
6235414	7308262	1643181	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,17	down
6673130	7308262	1643193	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,15	down
6731253	7308262	1643182	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,15	down
5984234	7308262	1643190	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,14	up
5948665	7308262	1643225	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,13	up
6499444	7308262	1643177	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,12	up
6438304	7308262	1643226	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,11	up
6157562	7308262	1643223	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,10	up
5914781	7308262	1643203	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,09	up
5700867	7308262	1643208	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,08	up
5729562	7308262	1643209	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,07	up
5677941	7308262	1643217	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,06	up
5741610	7308262	1643215	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,05	up
5709511	7308262	1643186	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,04	up
6591854	7308262	1643217	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,04	down
6032319	7308262	1643211	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,04	up
6016974	7308262	1643191	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,02	up
6089537	7308262	1643204	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,02	up
5760973	7308262	1643199	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,02	down
5868320	7308262	1643222	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,02	up
6613609	7308262	1643205	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,02	up
6252569	7308262	1643202	zinc finger, FYVE domain containing 26	Zfyve26	314265	1,01	up
6158094	7062809	1038445	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,80	down
6610560	7062809	1038441	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,66	down
5731983	7062809	1038444	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,29	up
6334666	7062809	1038441	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,28	down
6003369	7062809	1038443	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,26	up
5681147	7062809	1038449	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,15	down

6365191	7062809	1038448	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,15	down
6018878	7062809	1038452	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,14	down
5706842	7062809	1038450	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,10	down
5707678	7062809	1038451	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,10	up
6314718	7062809	1038441	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,06	down
6373230	7062809	1038447	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,04	down
6273798	7062809	1038442	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,04	up
6049167	7062809	1038452	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,03	up
6234023	7062809	1038452	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,00	down
6594568	7062809	1038446	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,00	down
6582730	7062809	1038441	zinc finger, FYVE domain containing 27	Zfyve27	309376	1,00	down
5692653	7120235	1177950	zinc finger, FYVE domain containing 28	Zfyve28	305454	2,39	down
6242332	7120235	1177946	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,44	up
5954380	7120235	1177964	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,42	up
5751989	7120235	1177955	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,28	up
6034986	7120235	1177965	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,25	up
5666780	7120235	1177966	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,21	up
6691380	7120235	1177963	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,20	down
5708471	7120235	1177947	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,19	up
5818796	7120235	1177968	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,15	up
6588873	7120235	1177939	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,11	down
5717843	7120235	1177968	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,11	up
6003160	7120235	1177954	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,08	up
6012897	7120235	1177962	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,07	up
5860732	7120235	1177969	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,05	down
6183058	7120235	1177948	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,04	down
6103247	7120235	1177949	zinc finger, FYVE domain containing 28	Zfyve28	305454	1,04	down
5645569	7101206	1130460	zinc finger, HIT domain containing 1	Znhit1	360784	1,95	up
6567657	7101206	1130460	zinc finger, HIT domain containing 1	Znhit1	360784	1,10	down
6180561	7101206	1130460	zinc finger, HIT domain containing 1	Znhit1	360784	1,03	down
6255111	7152889	1257331	zinc finger, matrin type 4	Zmat4	684961	1,23	down
6383144	7152889	1257377	zinc finger, matrin type 4	Zmat4	684961	1,15	up
6175850	7152889	1257352	zinc finger, matrin type 4	Zmat4	684961	1,13	down
6372826	7152889	1257352	zinc finger, matrin type 4	Zmat4	684961	1,11	up
6686382	7152889	1257360	zinc finger, matrin type 4	Zmat4	684961	1,06	down
5688200	7152889	1257370	zinc finger, matrin type 4	Zmat4	684961	1,03	up
5980893	7152889	1257333	zinc finger, matrin type 4	Zmat4	684961	1,03	up
6631392	7255517	1511355	zinc finger, matrin-like	Zfml	312491	1,84	down
5723910	7255517	1511370	zinc finger, matrin-like	Zfml	312491	1,47	up
5941488	7255517	1511364	zinc finger, matrin-like	Zfml	312491	1,46	down
5893663	7255517	1511358	zinc finger, matrin-like	Zfml	312491	1,44	down
6532338	7255517	1511342	zinc finger, matrin-like	Zfml	312491	1,42	down
6521010	7255517	1511362	zinc finger, matrin-like	Zfml	312491	1,41	up
6473782	7255517	1511365	zinc finger, matrin-like	Zfml	312491	1,36	down
6681811	7255517	1511357	zinc finger, matrin-like	Zfml	312491	1,36	down
5702893	7255517	1511352	zinc finger, matrin-like	Zfml	312491	1,31	up
6688622	7255517	1511366	zinc finger, matrin-like	Zfml	312491	1,30	up
5663429	7255517	1511350	zinc finger, matrin-like	Zfml	312491	1,30	down
5766071	7255517	1511360	zinc finger, matrin-like	Zfml	312491	1,27	up
5874871	7255517	1511351	zinc finger, matrin-like	Zfml	312491	1,26	up
6060890	7255517	1511363	zinc finger, matrin-like	Zfml	312491	1,25	up
6622855	7255517	1511359	zinc finger, matrin-like	Zfml	312491	1,25	down
5857085	7255517	1511342	zinc finger, matrin-like	Zfml	312491	1,25	down
6537931	7255517	1511346	zinc finger, matrin-like	Zfml	312491	1,22	up
5769075	7255517	1511342	zinc finger, matrin-like	Zfml	312491	1,20	down
6109050	7255517	1511339	zinc finger, matrin-like	Zfml	312491	1,18	up
6239049	7255517	1511356	zinc finger, matrin-like	Zfml	312491	1,17	up

5963855	7255517	1511349	zinc finger, matrin-like	Zfml	312491	1,15	down
6395282	7255517	1511367	zinc finger, matrin-like	Zfml	312491	1,15	up
6606176	7255517	1511348	zinc finger, matrin-like	Zfml	312491	1,11	down
6005957	7255517	1511342	zinc finger, matrin-like	Zfml	312491	1,11	down
5665417	7255517	1511361	zinc finger, matrin-like	Zfml	312491	1,08	down
6623600	7255517	1511360	zinc finger, matrin-like	Zfml	312491	1,08	up
5824823	7255517	1511354	zinc finger, matrin-like	Zfml	312491	1,08	down
6189939	7255517	1511347	zinc finger, matrin-like	Zfml	312491	1,07	up
5895340	7255517	1511342	zinc finger, matrin-like	Zfml	312491	1,06	down
5876602	7255517	1511342	zinc finger, matrin-like	Zfml	312491	1,06	down
5741672	7255517	1511358	zinc finger, matrin-like	Zfml	312491	1,05	down
6028753	7255517	1511353	zinc finger, matrin-like	Zfml	312491	1,04	down
5960321	7255517	1511370	zinc finger, matrin-like	Zfml	312491	1,04	up
5924365	7255517	1511369	zinc finger, matrin-like	Zfml	312491	1,04	down
5663135	7255517	1511372	zinc finger, matrin-like	Zfml	312491	1,02	up
6141160	7255517	1511347	zinc finger, matrin-like	Zfml	312491	1,02	down
6740566	7255517	1511344	zinc finger, matrin-like	Zfml	312491	1,01	up
5825074	7142770	1232661	zinc finger, MIZ-type containing 1	Zmiz1	361103	2,39	down
6099949	7142770	1232683	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,51	up
5969125	7142770	1232691	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,46	up
5647617	7142770	1232734	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,41	down
6594331	7142770	1232690	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,36	up
6088320	7142770	1232735	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,31	up
6739778	7142770	1232724	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,29	up
5802426	7142770	1232695	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,25	up
6699239	7142770	1232711	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,18	up
6633339	7142770	1232725	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,16	down
5958767	7142770	1232724	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,15	down
6690568	7142770	1232722	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,14	down
6304051	7142770	1232671	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,13	up
6727439	7142770	1232721	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,13	down
6189208	7142770	1232719	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,13	up
6036884	7142770	1232727	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,13	down
6541333	7142770	1232728	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,12	down
6363700	7142770	1232717	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,10	up
6645192	7142770	1232661	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,09	down
5925097	7142770	1232715	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,09	up
6657184	7142770	1232736	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,09	down
6267271	7142770	1232717	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,09	down
6212059	7142770	1232731	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,08	down
6504618	7142770	1232732	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,08	up
5822957	7142770	1232726	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,07	up
5907504	7142770	1232737	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,05	down
6218372	7142770	1232714	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,04	down
6698451	7142770	1232729	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,02	up
6594035	7142770	1232719	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,02	down
6128570	7142770	1232736	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,02	up
6598231	7142770	1232730	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,01	down
5925966	7142770	1232735	zinc finger, MIZ-type containing 1	Zmiz1	361103	1,01	down
6689923	7279593	1572105	zinc finger, MYM-type 6	Zmym6	362602	2,12	down
6440108	7279593	1572106	zinc finger, MYM-type 6	Zmym6	362602	1,64	down
6423989	7279593	1572086	zinc finger, MYM-type 6	Zmym6	362602	1,59	up
6249556	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,53	down
6447484	7279593	1572104	zinc finger, MYM-type 6	Zmym6	362602	1,52	down
6189211	7279593	1572101	zinc finger, MYM-type 6	Zmym6	362602	1,50	down
6491518	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,48	down
6371624	7279593	1572105	zinc finger, MYM-type 6	Zmym6	362602	1,45	down

5993984	7279593	1572094	zinc finger, MYM-type 6	Zmym6	362602	1,32	up
6174292	7279593	1572087	zinc finger, MYM-type 6	Zmym6	362602	1,31	up
5737962	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,28	down
6196489	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,26	up
5626721	7279593	1572088	zinc finger, MYM-type 6	Zmym6	362602	1,24	up
6325137	7279593	1572096	zinc finger, MYM-type 6	Zmym6	362602	1,21	down
6118688	7279593	1572090	zinc finger, MYM-type 6	Zmym6	362602	1,18	up
5682532	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,17	up
5922118	7279593	1572097	zinc finger, MYM-type 6	Zmym6	362602	1,14	down
5922853	7279593	1572095	zinc finger, MYM-type 6	Zmym6	362602	1,14	up
5658550	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,13	down
6114045	7279593	1572092	zinc finger, MYM-type 6	Zmym6	362602	1,10	up
6734915	7279593	1572096	zinc finger, MYM-type 6	Zmym6	362602	1,08	up
6002208	7279593	1572093	zinc finger, MYM-type 6	Zmym6	362602	1,08	up
5851224	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,05	down
6281274	7279593	1572091	zinc finger, MYM-type 6	Zmym6	362602	1,04	up
6584295	7279593	1572099	zinc finger, MYM-type 6	Zmym6	362602	1,04	up
6127918	7279593	1572085	zinc finger, MYM-type 6	Zmym6	362602	1,03	up
5728383	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,02	up
5885092	7279593	1572096	zinc finger, MYM-type 6	Zmym6	362602	1,02	up
5765540	7279593	1572085	zinc finger, MYM-type 6	Zmym6	362602	1,01	down
5675017	7279593	1572100	zinc finger, MYM-type 6	Zmym6	362602	1,00	up
6413966	7069239	1054088	zinc finger, MYND domain containing 15	Zmynd15	287457	2,48	up
6703629	7069239	1054085	zinc finger, MYND domain containing 15	Zmynd15	287457	1,97	up
6237923	7069239	1054087	zinc finger, MYND domain containing 15	Zmynd15	287457	1,89	up
6724150	7069239	1054090	zinc finger, MYND domain containing 15	Zmynd15	287457	1,75	up
6183974	7069239	1054086	zinc finger, MYND domain containing 15	Zmynd15	287457	1,70	down
6074128	7069239	1054092	zinc finger, MYND domain containing 15	Zmynd15	287457	1,67	down
5997259	7069239	1054082	zinc finger, MYND domain containing 15	Zmynd15	287457	1,66	down
5764055	7069239	1054078	zinc finger, MYND domain containing 15	Zmynd15	287457	1,57	up
6524753	7069239	1054082	zinc finger, MYND domain containing 15	Zmynd15	287457	1,43	up
6051961	7069239	1054091	zinc finger, MYND domain containing 15	Zmynd15	287457	1,36	up
6180567	7069239	1054091	zinc finger, MYND domain containing 15	Zmynd15	287457	1,35	up
6520786	7069239	1054080	zinc finger, MYND domain containing 15	Zmynd15	287457	1,34	down
5849275	7069239	1054079	zinc finger, MYND domain containing 15	Zmynd15	287457	1,32	down
5974108	7069239	1054084	zinc finger, MYND domain containing 15	Zmynd15	287457	1,25	up
6323086	7069239	1054083	zinc finger, MYND domain containing 15	Zmynd15	287457	1,24	up
6084531	7069239	1054089	zinc finger, MYND domain containing 15	Zmynd15	287457	1,21	down
5683637	7069239	1054082	zinc finger, MYND domain containing 15	Zmynd15	287457	1,16	up
5765434	7069239	1054081	zinc finger, MYND domain containing 15	Zmynd15	287457	1,06	down
5919675	7069239	1054081	zinc finger, MYND domain containing 15	Zmynd15	287457	1,06	down
5973965	7225419	1435639	zinc finger, MYND-type containing 19	Zmynd19	311791	2,21	down
5745439	7225419	1435643	zinc finger, MYND-type containing 19	Zmynd19	311791	1,47	up
6696113	7225419	1435644	zinc finger, MYND-type containing 19	Zmynd19	311791	1,41	up
6725620	7225419	1435642	zinc finger, MYND-type containing 19	Zmynd19	311791	1,35	up
6560772	7225419	1435639	zinc finger, MYND-type containing 19	Zmynd19	311791	1,23	down
6377276	7225419	1435640	zinc finger, MYND-type containing 19	Zmynd19	311791	1,02	down
6496091	7225419	1435641	zinc finger, MYND-type containing 19	Zmynd19	311791	1,01	down
6075657	7278794	1570061	zinc finger, SWIM domain containing 5	Zswim5	313524	2,59	down
6407667	7278794	1570066	zinc finger, SWIM domain containing 5	Zswim5	313524	1,42	up
6348171	7278794	1570069	zinc finger, SWIM domain containing 5	Zswim5	313524	1,23	down
6469670	7278794	1570067	zinc finger, SWIM domain containing 5	Zswim5	313524	1,23	up
5911534	7278794	1570060	zinc finger, SWIM domain containing 5	Zswim5	313524	1,20	down
5867249	7278794	1570065	zinc finger, SWIM domain containing 5	Zswim5	313524	1,17	up
6382444	7278794	1570068	zinc finger, SWIM domain containing 5	Zswim5	313524	1,15	up
6731290	7278794	1570061	zinc finger, SWIM domain containing 5	Zswim5	313524	1,15	up
6265936	7278794	1570062	zinc finger, SWIM domain containing 5	Zswim5	313524	1,13	down

6426107	7278794	1570058	zinc finger, SWIM domain containing 5	Zswim5	313524	1,11	up
5993460	7278794	1570064	zinc finger, SWIM domain containing 5	Zswim5	313524	1,10	up
6377214	7278794	1570067	zinc finger, SWIM domain containing 5	Zswim5	313524	1,09	up
5772654	7278794	1570063	zinc finger, SWIM domain containing 5	Zswim5	313524	1,06	up
6488757	7278794	1570070	zinc finger, SWIM domain containing 5	Zswim5	313524	1,04	up
6393460	7278794	1570059	zinc finger, SWIM domain containing 5	Zswim5	313524	1,04	down
6635207	7179859	1324604	zinc finger, SWIM-type containing 4	Zswim4	304655	2,97	down
6593485	7179859	1324608	zinc finger, SWIM-type containing 4	Zswim4	304655	2,21	down
6229663	7179859	1324611	zinc finger, SWIM-type containing 4	Zswim4	304655	2,05	down
6447557	7179859	1324611	zinc finger, SWIM-type containing 4	Zswim4	304655	1,84	down
6663316	7179859	1324617	zinc finger, SWIM-type containing 4	Zswim4	304655	1,69	up
6148513	7179859	1324609	zinc finger, SWIM-type containing 4	Zswim4	304655	1,69	up
5621785	7179859	1324615	zinc finger, SWIM-type containing 4	Zswim4	304655	1,66	up
5879844	7179859	1324607	zinc finger, SWIM-type containing 4	Zswim4	304655	1,61	up
6645767	7179859	1324612	zinc finger, SWIM-type containing 4	Zswim4	304655	1,41	up
6079091	7179859	1324614	zinc finger, SWIM-type containing 4	Zswim4	304655	1,33	up
6466339	7179859	1324605	zinc finger, SWIM-type containing 4	Zswim4	304655	1,30	up
6095844	7179859	1324613	zinc finger, SWIM-type containing 4	Zswim4	304655	1,25	down
5733962	7179859	1324618	zinc finger, SWIM-type containing 4	Zswim4	304655	1,18	up
5976754	7179859	1324618	zinc finger, SWIM-type containing 4	Zswim4	304655	1,16	up
5996820	7179859	1324611	zinc finger, SWIM-type containing 4	Zswim4	304655	1,12	down
6531981	7179859	1324618	zinc finger, SWIM-type containing 4	Zswim4	304655	1,08	down
6434800	7179859	1324616	zinc finger, SWIM-type containing 4	Zswim4	304655	1,07	up
5772520	7179859	1324610	zinc finger, SWIM-type containing 4	Zswim4	304655	1,03	up
6289383	7069464	1054626	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,63	up
5906904	7069464	1054675	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,61	down
6608587	7069464	1054658	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,57	down
6478027	7069464	1054637	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,56	down
6529505	7069464	1054674	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,37	down
6567789	7069464	1054615	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,35	up
5671815	7069464	1054618	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,34	up
6272315	7069464	1054659	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,32	down
6024891	7069464	1054667	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,31	down
6607304	7069464	1054644	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,30	up
5956117	7069464	1054610	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,25	down
6741920	7069464	1054643	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,24	down
6721349	7069464	1054632	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,24	up
5904884	7069464	1054619	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,24	up
6633644	7069464	1054655	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,23	down
5926574	7069464	1054657	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,23	up
6416556	7069464	1054661	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,20	down
6338946	7069464	1054660	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,20	down
5894730	7069464	1054656	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,19	up
6109711	7069464	1054620	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,16	up
5690569	7069464	1054633	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,15	up
6093256	7069464	1054641	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,13	up
6327564	7069464	1054656	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,13	down
5932060	7069464	1054662	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,13	down
6249516	7069464	1054623	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	down
6541845	7069464	1054616	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
6339849	7069464	1054669	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	up
6123030	7069464	1054676	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	down
6441397	7069464	1054633	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,12	down
6269960	7069464	1054650	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,11	up
6059786	7069464	1054637	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,11	down
6545449	7069464	1054642	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,10	up
5935180	7069464	1054664	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	down

6267742	7069464	1054619	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,09	up
6116128	7069464	1054630	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,07	up
6358623	7069464	1054635	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	up
6559989	7069464	1054617	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	up
5994784	7069464	1054621	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	down
5936139	7069464	1054659	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	up
6053764	7069464	1054668	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	down
5686466	7069464	1054618	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,06	down
5677041	7069464	1054614	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
6150817	7069464	1054639	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
5944481	7069464	1054614	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	up
6004135	7069464	1054663	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	up
6347790	7069464	1054665	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	up
6715548	7069464	1054648	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	up
5746488	7069464	1054645	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
5936146	7069464	1054631	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	up
5932010	7069464	1054646	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,05	down
5620347	7069464	1054638	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,04	down
5971028	7069464	1054634	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,03	down
6191972	7069464	1054625	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,03	down
6061823	7069464	1054632	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,03	down
6576852	7069464	1054651	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,02	up
6340446	7069464	1054636	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,02	up
6294135	7069464	1054652	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,02	down
6540288	7069464	1054624	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,02	down
6400041	7069464	1054647	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	down
6706667	7069464	1054628	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	down
5666231	7069464	1054673	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	down
6741715	7069464	1054629	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	down
6515866	7069464	1054654	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	up
6732792	7069464	1054610	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,01	up
6435079	7069464	1054653	zinc finger, ZZ-type with EF hand domain 1	Zzef1	287476	1,00	down
6144663	7216356	1413831	zinc ribbon domain containing, 1	Znrd1	361784	2,58	down
6416025	7216356	1413830	zinc ribbon domain containing, 1	Znrd1	361784	2,49	up
6073033	7216356	1413828	zinc ribbon domain containing, 1	Znrd1	361784	2,39	down
6465603	7216356	1413828	zinc ribbon domain containing, 1	Znrd1	361784	1,14	down
6334841	7216356	1413829	zinc ribbon domain containing, 1	Znrd1	361784	1,05	up
6394513	7280982	1575166	ZUBR1	Rbaf600	313658	1,47	down
6592931	7280982	1575232	ZUBR1	Rbaf600	313658	1,39	down
6700421	7280982	1575168	ZUBR1	Rbaf600	313658	1,35	down
6526436	7280982	1575267	ZUBR1	Rbaf600	313658	1,34	down
5625127	7280982	1575192	ZUBR1	Rbaf600	313658	1,34	up
6736878	7280982	1575252	ZUBR1	Rbaf600	313658	1,32	down
6277735	7280982	1575239	ZUBR1	Rbaf600	313658	1,29	up
6579015	7280982	1575210	ZUBR1	Rbaf600	313658	1,29	up
6433862	7280982	1575159	ZUBR1	Rbaf600	313658	1,27	up
5826409	7280982	1575214	ZUBR1	Rbaf600	313658	1,27	down
6118694	7280982	1575258	ZUBR1	Rbaf600	313658	1,27	down
6742469	7280982	1575191	ZUBR1	Rbaf600	313658	1,27	up
6583889	7280982	1575232	ZUBR1	Rbaf600	313658	1,27	down
5888524	7280982	1575198	ZUBR1	Rbaf600	313658	1,27	down
5887720	7280982	1575236	ZUBR1	Rbaf600	313658	1,26	up
5752541	7280982	1575157	ZUBR1	Rbaf600	313658	1,26	down
6476781	7280982	1575182	ZUBR1	Rbaf600	313658	1,26	down
6492631	7280982	1575170	ZUBR1	Rbaf600	313658	1,26	down
6658277	7280982	1575263	ZUBR1	Rbaf600	313658	1,24	down
5790506	7280982	1575176	ZUBR1	Rbaf600	313658	1,23	down

6115488	7280982	1575250	ZUBR1	Rbaf600	313658	1,22	down
6234730	7280982	1575249	ZUBR1	Rbaf600	313658	1,20	up
6557991	7280982	1575246	ZUBR1	Rbaf600	313658	1,20	down
5872362	7280982	1575238	ZUBR1	Rbaf600	313658	1,19	up
6408089	7280982	1575164	ZUBR1	Rbaf600	313658	1,19	down
6419129	7280982	1575178	ZUBR1	Rbaf600	313658	1,19	up
6451501	7280982	1575197	ZUBR1	Rbaf600	313658	1,19	down
6324543	7280982	1575217	ZUBR1	Rbaf600	313658	1,18	down
5628133	7280982	1575193	ZUBR1	Rbaf600	313658	1,18	up
5801425	7280982	1575218	ZUBR1	Rbaf600	313658	1,17	down
6116790	7280982	1575254	ZUBR1	Rbaf600	313658	1,16	down
5896334	7280982	1575262	ZUBR1	Rbaf600	313658	1,16	down
6220063	7280982	1575158	ZUBR1	Rbaf600	313658	1,16	down
6146276	7280982	1575245	ZUBR1	Rbaf600	313658	1,15	up
5798893	7280982	1575173	ZUBR1	Rbaf600	313658	1,15	down
6040975	7280982	1575266	ZUBR1	Rbaf600	313658	1,14	down
5986227	7280982	1575171	ZUBR1	Rbaf600	313658	1,14	up
6263880	7280982	1575183	ZUBR1	Rbaf600	313658	1,14	down
6493027	7280982	1575177	ZUBR1	Rbaf600	313658	1,14	down
5769890	7280982	1575206	ZUBR1	Rbaf600	313658	1,13	up
6669412	7280982	1575242	ZUBR1	Rbaf600	313658	1,13	down
6392395	7280982	1575165	ZUBR1	Rbaf600	313658	1,13	down
5707026	7280982	1575223	ZUBR1	Rbaf600	313658	1,13	down
6510358	7280982	1575233	ZUBR1	Rbaf600	313658	1,12	up
6233565	7280982	1575267	ZUBR1	Rbaf600	313658	1,12	down
5729649	7280982	1575259	ZUBR1	Rbaf600	313658	1,12	up
5680591	7280982	1575211	ZUBR1	Rbaf600	313658	1,11	down
6445396	7280982	1575185	ZUBR1	Rbaf600	313658	1,11	down
6318605	7280982	1575174	ZUBR1	Rbaf600	313658	1,11	down
5911521	7280982	1575179	ZUBR1	Rbaf600	313658	1,11	up
5727492	7280982	1575201	ZUBR1	Rbaf600	313658	1,11	up
6150569	7280982	1575264	ZUBR1	Rbaf600	313658	1,11	up
5857804	7280982	1575241	ZUBR1	Rbaf600	313658	1,10	up
6597442	7280982	1575163	ZUBR1	Rbaf600	313658	1,10	down
5857949	7280982	1575248	ZUBR1	Rbaf600	313658	1,10	up
6156936	7280982	1575226	ZUBR1	Rbaf600	313658	1,10	up
5987003	7280982	1575199	ZUBR1	Rbaf600	313658	1,10	up
5822495	7280982	1575162	ZUBR1	Rbaf600	313658	1,10	up
6293102	7280982	1575251	ZUBR1	Rbaf600	313658	1,10	down
6166925	7280982	1575243	ZUBR1	Rbaf600	313658	1,10	up
5819411	7280982	1575216	ZUBR1	Rbaf600	313658	1,10	down
6508904	7280982	1575220	ZUBR1	Rbaf600	313658	1,10	down
6113477	7280982	1575237	ZUBR1	Rbaf600	313658	1,10	up
5623721	7280982	1575186	ZUBR1	Rbaf600	313658	1,09	up
6402542	7280982	1575225	ZUBR1	Rbaf600	313658	1,09	up
5778626	7280982	1575160	ZUBR1	Rbaf600	313658	1,09	down
5905979	7280982	1575220	ZUBR1	Rbaf600	313658	1,09	down
6337164	7280982	1575160	ZUBR1	Rbaf600	313658	1,09	up
6637711	7280982	1575202	ZUBR1	Rbaf600	313658	1,08	down
6583747	7280982	1575256	ZUBR1	Rbaf600	313658	1,08	down
6355358	7280982	1575265	ZUBR1	Rbaf600	313658	1,08	up
5742346	7280982	1575217	ZUBR1	Rbaf600	313658	1,07	down
6579558	7280982	1575235	ZUBR1	Rbaf600	313658	1,07	up
6692403	7280982	1575231	ZUBR1	Rbaf600	313658	1,07	down
6398931	7280982	1575167	ZUBR1	Rbaf600	313658	1,07	down
6085322	7280982	1575224	ZUBR1	Rbaf600	313658	1,06	down
6558836	7280982	1575240	ZUBR1	Rbaf600	313658	1,06	down

6223383	7280982	1575222	ZUBR1	Rbaf600	313658	1,06	down
6088952	7280982	1575195	ZUBR1	Rbaf600	313658	1,06	up
5924079	7280982	1575230	ZUBR1	Rbaf600	313658	1,06	down
6470351	7280982	1575194	ZUBR1	Rbaf600	313658	1,06	down
5896191	7280982	1575244	ZUBR1	Rbaf600	313658	1,06	down
6465267	7280982	1575208	ZUBR1	Rbaf600	313658	1,05	down
6028058	7280982	1575190	ZUBR1	Rbaf600	313658	1,05	down
6654722	7280982	1575181	ZUBR1	Rbaf600	313658	1,05	down
6097542	7280982	1575196	ZUBR1	Rbaf600	313658	1,05	down
6677783	7280982	1575261	ZUBR1	Rbaf600	313658	1,05	down
6054389	7280982	1575257	ZUBR1	Rbaf600	313658	1,04	down
6557946	7280982	1575229	ZUBR1	Rbaf600	313658	1,04	up
6168943	7280982	1575161	ZUBR1	Rbaf600	313658	1,04	up
6394215	7280982	1575203	ZUBR1	Rbaf600	313658	1,03	down
6453991	7280982	1575228	ZUBR1	Rbaf600	313658	1,03	up
6357445	7280982	1575255	ZUBR1	Rbaf600	313658	1,03	up
6108309	7280982	1575189	ZUBR1	Rbaf600	313658	1,03	down
6496138	7280982	1575172	ZUBR1	Rbaf600	313658	1,03	up
6578878	7280982	1575219	ZUBR1	Rbaf600	313658	1,02	up
6329226	7280982	1575247	ZUBR1	Rbaf600	313658	1,02	up
6581887	7280982	1575180	ZUBR1	Rbaf600	313658	1,02	up
6365188	7280982	1575234	ZUBR1	Rbaf600	313658	1,02	up
5865815	7280982	1575221	ZUBR1	Rbaf600	313658	1,02	down
5667436	7280982	1575188	ZUBR1	Rbaf600	313658	1,02	down
6251406	7280982	1575213	ZUBR1	Rbaf600	313658	1,02	down
5965788	7280982	1575180	ZUBR1	Rbaf600	313658	1,01	up
6073039	7280982	1575200	ZUBR1	Rbaf600	313658	1,01	up
5935807	7280982	1575187	ZUBR1	Rbaf600	313658	1,01	down
6613946	7280982	1575253	ZUBR1	Rbaf600	313658	1,01	up
6361505	7280982	1575169	ZUBR1	Rbaf600	313658	1,01	down
6446120	7280982	1575184	ZUBR1	Rbaf600	313658	1,01	down
5844712	7280982	1575260	ZUBR1	Rbaf600	313658	1,01	up
6428578	7280982	1575227	ZUBR1	Rbaf600	313658	1,00	down
5972304	7125074	1189428	zygote arrest 1	Zar1	353228	3,19	down
6201799	7125074	1189427	zygote arrest 1	Zar1	353228	1,64	up
6329487	7125074	1189428	zygote arrest 1	Zar1	353228	1,19	up
6350699	7125074	1189428	zygote arrest 1	Zar1	353228	1,14	down
6239617	7125074	1189426	zygote arrest 1	Zar1	353228	1,09	up
6482324	7125074	1189424	zygote arrest 1	Zar1	353228	1,07	down
5864508	7125074	1189425	zygote arrest 1	Zar1	353228	1,06	up
6168258	7125074	1189428	zygote arrest 1	Zar1	353228	1,04	up
5617904	7156372	1266708	---	---	---	1,01	up
5618032	7295652	1610314	---	---	---	1,28	up
5618065	7277783	1567458	---	---	---	1,02	up
5618098	7140834	1227987	---	---	---	1,08	up
5618221	7069830	1055605	---	---	---	1,23	down
5618339	7243901	1483052	---	---	---	1,00	up
5618342	7093219	1110690	---	---	---	1,07	down
5618404	7312903	1654098	---	---	---	1,06	up
5618557	7243894	1482993	---	---	---	1,81	down
5618561	7033504	969851	---	---	---	1,18	down
5618568	7155286	1263908	---	---	---	1,32	down
5618593	7319627	1671257	---	---	---	1,26	down
5618615	7220292	1423772	---	---	---	1,26	up
5618616	7194172	1361183	---	---	---	1,51	up
5618647	7248790	1494514	---	---	---	1,40	up
5618783	7178644	1321612	---	---	---	1,35	up

5618826	7032204	966153	---	---	---	1,98	up
5618856	7212587	1404639	---	---	---	1,01	down
5618955	7122140	1182729	---	---	---	1,36	up
5619045	7167325	1292551	---	---	---	2,02	down
5619086	7237346	1466594	---	---	---	1,08	down
5619127	7288077	1591987	---	---	---	1,40	up
5619128	7337872	1714429	---	---	---	1,28	up
5619136	7105780	1141690	---	---	---	1,16	down
5619216	7330396	1696351	---	---	---	1,03	up
5619249	7050167	1009800	---	---	---	1,17	up
5619464	7069253	1054169	---	---	---	1,05	down
5619553	7095868	1116781	---	---	---	1,03	down
5619577	7198210	1370983	---	---	---	1,05	down
5619601	7189455	1348332	---	---	---	1,46	up
5619625	7069603	1055050	---	---	---	1,06	down
5619660	7080476	1080416	---	---	---	1,12	down
5619728	7147720	1245233	---	---	---	1,07	down
5619757	7207093	1392121	---	---	---	2,98	down
5619933	7114274	1162824	---	---	---	1,28	down
5620076	7031774	964650	---	---	---	1,52	up
5620087	7162144	1280508	---	---	---	1,14	down
5620157	7216309	1413743	---	---	---	1,10	down
5620163	7216970	1415128	---	---	---	1,23	down
5620234	7264085	1532719	---	---	---	1,31	up
5620243	7153136	1258051	---	---	---	1,12	down
5620329	7244287	1484072	---	---	---	1,06	up
5620349	7210822	1400977	---	---	---	1,16	down
5620367	7181193	1328288	---	---	---	1,21	up
5620407	7197820	1370100	---	---	---	1,77	down
5620500	7336931	1711859	---	---	---	1,62	down
5620689	7341243	1723223	---	---	---	1,73	down
5620938	7082098	1084111	---	---	---	1,06	up
5621054	7344702	1732139	---	---	---	1,08	down
5621086	7088164	1098479	---	---	---	1,41	down
5621094	7196331	1366380	---	---	---	1,33	up
5621146	7260488	1523937	---	---	---	1,00	down
5621234	7248790	1494521	---	---	---	1,09	down
5621254	7373038	1804287	---	---	---	1,68	up
5621376	7168979	1297175	---	---	---	1,55	down
5621436	7025670	950422	---	---	---	1,00	down
5621449	7274892	1559542	---	---	---	1,06	down
5621523	7088164	1098487	---	---	---	1,41	down
5621588	7090581	1104741	---	---	---	1,32	up
5621678	7029119	958977	---	---	---	1,03	up
5621695	7146093	1240914	---	---	---	1,06	up
5621701	7279533	1571916	---	---	---	1,02	up
5621702	7274780	1559198	---	---	---	2,59	up
5621728	7337425	1713177	---	---	---	1,01	down
5621776	7144782	1237759	---	---	---	1,56	down
5621848	7075460	1069399	---	---	---	1,04	up
5621850	7156114	1266054	---	---	---	1,14	up
5621902	7183927	1335497	---	---	---	1,22	down
5621970	7121849	1181778	---	---	---	1,07	up
5622073	7193056	1358258	---	---	---	1,17	up
5622147	7303777	1631923	---	---	---	1,09	down
5622358	7385253	1832225	---	---	---	1,00	down
5622387	7070836	1058357	---	---	---	1,39	down

5622388	7318714	1669227	---	---	---	1,09	up
5622412	7344702	1732141	---	---	---	1,84	up
5622661	7240569	1475456	---	---	---	1,41	up
5622686	7344702	1732146	---	---	---	1,26	down
5622831	7288077	1592009	---	---	---	1,02	up
5622905	7278010	1568040	---	---	---	1,15	down
5622940	7244290	1484168	---	---	---	1,03	up
5622948	7221443	1426320	---	---	---	1,66	down
5622974	7035407	974445	---	---	---	1,75	down
5622979	7371001	1798849	---	---	---	1,82	down
5622992	7146093	1240942	---	---	---	1,28	up
5623063	7239752	1473157	---	---	---	1,22	up
5623069	7049308	1008125	---	---	---	1,19	up
5623091	7292517	1602534	---	---	---	1,02	down
5623099	7354896	1756992	---	---	---	2,28	down
5623135	7122140	1182720	---	---	---	1,56	down
5623147	7326271	1686516	---	---	---	1,15	up
5623217	7321029	1674832	---	---	---	1,28	down
5623355	7090581	1104843	---	---	---	2,57	up
5623560	7176368	1315573	---	---	---	1,11	up
5623583	7127257	1194813	---	---	---	1,46	down
5623641	7067518	1049957	---	---	---	1,08	up
5623706	7339379	1718319	---	---	---	1,06	up
5623782	7043515	994012	---	---	---	1,42	up
5623853	7073677	1065149	---	---	---	1,05	down
5623871	7341243	1723217	---	---	---	1,53	down
5623904	7030224	961115	---	---	---	1,61	up
5624031	7337872	1714427	---	---	---	1,28	up
5624034	7071714	1060365	---	---	---	1,54	down
5624037	7356115	1760119	---	---	---	1,17	up
5624114	7359453	1768450	---	---	---	1,58	down
5624144	7341274	1723400	---	---	---	1,17	down
5624314	7042529	991598	---	---	---	2,18	down
5624328	7371253	1799562	---	---	---	1,02	up
5624364	7064134	1041461	---	---	---	1,12	down
5624388	7217434	1416354	---	---	---	1,11	up
5624405	7091439	1106615	---	---	---	1,15	up
5624524	7190844	1352151	---	---	---	1,02	up
5624570	7143455	1234717	---	---	---	1,12	up
5624662	7075790	1069994	---	---	---	1,50	up
5624752	7264653	1534052	---	---	---	1,06	up
5624758	7239752	1473194	---	---	---	1,24	down
5624812	7142414	1231756	---	---	---	1,27	up
5624866	7217679	1417300	---	---	---	1,19	down
5624892	7061550	1035288	---	---	---	1,45	down
5624893	7217679	1417303	---	---	---	1,07	down
5624921	7156052	1265744	---	---	---	1,27	up
5625255	7181001	1327642	---	---	---	1,05	up
5625285	7139708	1225066	---	---	---	1,18	up
5625297	7115259	1165352	---	---	---	1,01	down
5625416	7339379	1718363	---	---	---	1,05	down
5625595	7337425	1713158	---	---	---	1,26	up
5625644	7078666	1076548	---	---	---	1,46	down
5625690	7330396	1696347	---	---	---	1,09	up
5625774	7294911	1608527	---	---	---	1,10	up
5625844	7337425	1713152	---	---	---	1,18	down
5625896	7263348	1530812	---	---	---	1,05	up

5625935	7246518	1489054	---	---	---	1,20	down
5626074	7257976	1517712	---	---	---	1,21	up
5626080	7056333	1023678	---	---	---	1,16	up
5626207	7188458	1345704	---	---	---	1,34	up
5626211	7341243	1723218	---	---	---	1,40	down
5626246	7139824	1225319	---	---	---	1,18	up
5626314	7333333	1703386	---	---	---	1,12	down
5626442	7370002	1795777	---	---	---	1,28	up
5626564	7208784	1396159	---	---	---	1,34	down
5626610	7106752	1143984	---	---	---	1,12	down
5626626	7146872	1242903	---	---	---	1,23	down
5626638	7091954	1107708	---	---	---	1,03	down
5626676	7253408	1505957	---	---	---	1,10	down
5626703	7312575	1653359	---	---	---	1,40	down
5626755	7118234	1172820	---	---	---	1,19	down
5627123	7106776	1144106	---	---	---	1,14	up
5627138	7168521	1295924	---	---	---	1,25	up
5627189	7337425	1713135	---	---	---	1,10	up
5627207	7067828	1050784	---	---	---	1,19	down
5627272	7196029	1365612	---	---	---	2,09	down
5627349	7089080	1101161	---	---	---	1,02	down
5627434	7182739	1332585	---	---	---	1,01	down
5627449	7285530	1585971	---	---	---	1,19	down
5627501	7235069	1460973	---	---	---	1,72	down
5627591	7351844	1749504	---	---	---	1,17	down
5627623	7297589	1615687	---	---	---	1,07	down
5627787	7233513	1457168	---	---	---	1,14	up
5627788	7044906	998126	---	---	---	2,14	down
5627867	7090581	1104749	---	---	---	1,22	down
5627920	7252339	1503272	---	---	---	1,11	down
5627932	7058149	1027258	---	---	---	1,41	down
5628025	7112566	1158641	---	---	---	1,42	up
5628194	7267802	1541800	---	---	---	1,26	up
5628229	7050167	1009800	---	---	---	1,75	up
5628343	7052385	1014770	---	---	---	1,36	up
5628432	7341038	1722678	---	---	---	1,57	up
5628536	7240569	1475362	---	---	---	1,06	up
5628542	7069603	1055050	---	---	---	1,04	up
5628575	7098867	1124952	---	---	---	1,29	up
5628631	7356619	1761341	---	---	---	1,09	down
5628633	7217445	1416480	---	---	---	1,02	down
5628662	7198210	1370993	---	---	---	1,13	up
5628696	7208436	1395345	---	---	---	1,75	down
5628703	7317204	1665398	---	---	---	1,85	up
5628715	7039223	983562	---	---	---	1,17	up
5628750	7031774	964729	---	---	---	1,24	up
5628828	7108434	1148314	---	---	---	1,42	down
5628870	7240641	1475745	---	---	---	1,02	down
5628894	7060896	1033576	---	---	---	1,38	down
5629058	7217434	1416402	---	---	---	1,17	down
5629171	7123714	1186423	---	---	---	1,06	down
5629209	7195680	1364870	---	---	---	1,89	down
5629281	7380497	1821840	---	---	---	1,16	down
5629293	7114274	1162813	---	---	---	2,10	up
5629379	7204831	1386772	---	---	---	1,03	up
5629400	7182056	1330595	---	---	---	2,18	down
5629438	7167160	1292216	---	---	---	1,02	down

5629461	7140113	1226059	---	---	---	1,64	down
5629475	7199536	1374707	---	---	---	1,89	up
5629478	7217679	1417292	---	---	---	1,10	down
5629484	7146082	1240853	---	---	---	1,82	up
5629504	7205944	1389462	---	---	---	1,02	up
5629528	7146807	1242816	---	---	---	1,17	down
5629584	7110401	1153084	---	---	---	1,30	up
5629610	7311367	1650729	---	---	---	2,13	up
5629618	7035414	974468	---	---	---	2,43	down
5629648	7343250	1728034	---	---	---	1,57	down
5629664	7221420	1426253	---	---	---	1,57	up
5629679	7318286	1668338	---	---	---	1,62	up
5629793	7052385	1014797	---	---	---	1,23	up
5629880	7350922	1747316	---	---	---	1,17	down
5629887	7139708	1225062	---	---	---	1,16	up
5629935	7148741	1247844	---	---	---	1,12	down
5630020	7181442	1328882	---	---	---	2,27	down
5630101	7207093	1392092	---	---	---	1,06	up
5630132	7038179	981265	---	---	---	1,34	up
5630200	7258455	1518725	---	---	---	1,13	down
5630230	7376820	1813396	---	---	---	1,24	down
5630324	7217434	1416399	---	---	---	1,11	down
5630365	7039725	984825	---	---	---	1,22	up
5630407	7279499	1571823	---	---	---	1,02	down
5630432	7058713	1028666	---	---	---	1,26	down
5630499	7354896	1756993	---	---	---	1,29	down
5630515	7168521	1295914	---	---	---	1,45	down
5630800	7191594	1354170	---	---	---	2,03	up
5630875	7381330	1823625	---	---	---	2,03	down
5630930	7146872	1242908	---	---	---	1,14	up
5631042	7267953	1542231	---	---	---	1,62	down
5631149	7330314	1696144	---	---	---	1,03	up
5631294	7326271	1686465	---	---	---	1,34	down
5631298	7088164	1098473	---	---	---	1,98	down
5631410	7059766	1030973	---	---	---	1,09	up
5631420	7102369	1133435	---	---	---	1,25	down
5631460	7374324	1807524	---	---	---	1,30	up
5631540	7184231	1336146	---	---	---	2,23	up
5631634	7173706	1309290	---	---	---	1,67	up
5631644	7383586	1828428	---	---	---	1,39	down
5631694	7258784	1519669	---	---	---	1,42	down
5631856	7203041	1382730	---	---	---	1,35	down
5631873	7213908	1407645	---	---	---	1,71	down
5631880	7367980	1789173	---	---	---	1,42	up
5631889	7210387	1400039	---	---	---	1,26	down
5631895	7253602	1506490	---	---	---	1,06	down
5631907	7168979	1297200	---	---	---	1,42	up
5631912	7381090	1822985	---	---	---	1,43	down
5631989	7282927	1579998	---	---	---	1,23	up
5632051	7149817	1250316	---	---	---	1,56	down
5632093	7052385	1014776	---	---	---	1,10	up
5632127	7368004	1789332	---	---	---	1,25	up
5632132	7131876	1206052	---	---	---	1,13	down
5632206	7168521	1295920	---	---	---	1,06	down
5632209	7114274	1162814	---	---	---	1,03	up
5632247	7169732	1298780	---	---	---	1,12	up
5632265	7072748	1062586	---	---	---	1,03	down

5632285	7198210	1370959	---	---	---	1,05	up
5632305	7132125	1206623	---	---	---	1,02	up
5632419	7194400	1361705	---	---	---	1,10	up
5632432	7068987	1053605	---	---	---	1,06	down
5632437	7236358	1464240	---	---	---	1,09	up
5632477	7289879	1596427	---	---	---	1,35	down
5632605	7102723	1134400	---	---	---	1,03	up
5632624	7318143	1668091	---	---	---	1,11	down
5632790	7070836	1058336	---	---	---	1,04	down
5632816	7213228	1405992	---	---	---	1,60	up
5632891	7372840	1803760	---	---	---	1,50	up
5632899	7120827	1179352	---	---	---	1,11	up
5632905	7068942	1053393	---	---	---	1,45	down
5632910	7127540	1195288	---	---	---	1,02	down
5632928	7281924	1577748	---	---	---	1,30	down
5633030	7266544	1538344	---	---	---	1,05	down
5633098	7183182	1333572	---	---	---	1,06	up
5633105	7318139	1668067	---	---	---	1,75	down
5633167	7062233	1037185	---	---	---	1,07	up
5633289	7178644	1321610	---	---	---	1,41	up
5633321	7340673	1721696	---	---	---	1,49	up
5633407	7274780	1559198	---	---	---	1,94	up
5633537	7183927	1335504	---	---	---	1,17	down
5633632	7211389	1402115	---	---	---	1,01	down
5633667	7153895	1259915	---	---	---	1,20	up
5633740	7031618	964204	---	---	---	1,34	up
5633815	7220292	1423773	---	---	---	1,16	up
5633850	7246823	1489671	---	---	---	1,35	down
5633884	7209927	1398945	---	---	---	1,28	up
5633916	7247512	1491217	---	---	---	1,38	up
5633965	7369141	1793316	---	---	---	1,59	down
5633966	7382499	1826256	---	---	---	1,00	up
5634078	7308679	1644253	---	---	---	1,08	down
5634103	7330396	1696364	---	---	---	1,08	down
5634109	7181001	1327632	---	---	---	1,02	up
5634121	7328833	1692800	---	---	---	1,12	down
5634138	7194400	1361766	---	---	---	1,01	up
5634291	7315571	1661010	---	---	---	1,47	down
5634308	7146542	1242289	---	---	---	1,29	down
5634353	7221443	1426314	---	---	---	1,13	down
5634361	7089080	1101155	---	---	---	1,04	up
5634476	7364346	1780031	---	---	---	1,14	down
5634493	7070836	1058337	---	---	---	1,32	up
5634503	7062436	1037680	---	---	---	1,08	up
5634520	7069727	1055365	---	---	---	1,04	up
5634574	7196029	1365603	---	---	---	1,34	down
5634587	7384073	1829453	---	---	---	2,06	down
5634627	7167872	1294018	---	---	---	1,18	down
5634669	7143381	1234481	---	---	---	1,01	down
5634872	7213908	1407649	---	---	---	1,09	down
5634882	7140365	1226792	---	---	---	1,61	down
5634889	7170764	1301471	---	---	---	1,00	up
5634891	7240569	1475470	---	---	---	1,09	down
5635075	7180687	1326626	---	---	---	1,02	down
5635118	7110999	1154762	---	---	---	1,04	up
5635171	7286807	1588841	---	---	---	1,46	up
5635249	7069603	1055055	---	---	---	1,01	up

5635268	7038153	981158	---	---	---	1,17	up
5635345	7031618	964198	---	---	---	1,26	up
5635406	7194540	1362078	---	---	---	1,37	up
5635420	7196029	1365629	---	---	---	1,07	up
5635434	7373634	1805729	---	---	---	1,67	down
5635436	7086966	1095237	---	---	---	1,09	down
5635441	7038530	981879	---	---	---	1,30	up
5635450	7337224	1712585	---	---	---	1,74	up
5635559	7341546	1723942	---	---	---	1,15	up
5635756	7297589	1615622	---	---	---	1,44	down
5635782	7252877	1504738	---	---	---	1,09	down
5636030	7190242	1350307	---	---	---	2,28	up
5636067	7033504	969867	---	---	---	1,39	up
5636077	7059648	1030677	---	---	---	1,56	up
5636257	7162144	1280497	---	---	---	1,04	up
5636279	7039223	983571	---	---	---	1,23	up
5636307	7040442	986578	---	---	---	2,07	down
5636390	7217650	1417206	---	---	---	1,29	down
5636408	7117526	1170987	---	---	---	1,58	down
5636534	7194400	1361701	---	---	---	1,00	up
5636610	7346687	1736696	---	---	---	1,17	up
5636632	7036458	977022	---	---	---	3,45	up
5636652	7238115	1468668	---	---	---	1,02	up
5636666	7118234	1172845	---	---	---	1,08	down
5636679	7383102	1827389	---	---	---	1,38	up
5636704	7076236	1071192	---	---	---	1,16	up
5636714	7056736	1024415	---	---	---	1,87	up
5636721	7302018	1626961	---	---	---	1,93	up
5636749	7067828	1050784	---	---	---	1,02	down
5636777	7339379	1718327	---	---	---	2,05	down
5636802	7093752	1111996	---	---	---	1,12	down
5636887	7125348	1190100	---	---	---	1,39	up
5636910	7215722	1412268	---	---	---	1,59	up
5636931	7039821	985058	---	---	---	1,83	down
5636977	7309646	1646489	---	---	---	1,01	up
5636992	7140365	1226773	---	---	---	2,62	down
5637025	7167872	1294035	---	---	---	1,09	down
5637126	7248790	1494503	---	---	---	1,00	down
5637162	7207069	1392023	---	---	---	1,19	down
5637277	7094139	1112897	---	---	---	1,39	down
5637312	7286807	1588777	---	---	---	1,17	down
5637315	7337425	1713165	---	---	---	1,07	down
5637343	7301843	1626471	---	---	---	1,05	down
5637360	7196331	1366380	---	---	---	1,03	down
5637437	7147720	1245236	---	---	---	1,34	up
5637442	7272431	1553902	---	---	---	1,19	down
5637475	7137646	1220430	---	---	---	1,92	down
5637641	7162144	1280490	---	---	---	1,06	up
5637748	7106752	1144027	---	---	---	1,39	up
5637824	7052813	1015927	---	---	---	1,02	down
5637834	7307473	1641276	---	---	---	1,06	up
5637885	7142917	1233166	---	---	---	1,01	up
5637972	7312161	1652462	---	---	---	1,57	up
5638098	7075460	1069390	---	---	---	1,08	down
5638128	7384509	1830763	---	---	---	3,61	down
5638145	7289075	1594440	---	---	---	1,63	up
5638163	7069253	1054157	---	---	---	1,20	down

5638165	7374313	1807379	---	---	---	1,10	down
5638244	7282927	1580003	---	---	---	1,13	up
5638386	7234040	1458505	---	---	---	1,16	down
5638409	7100523	1128882	---	---	---	1,57	down
5638438	7120010	1177376	---	---	---	1,24	up
5638450	7330731	1697195	---	---	---	1,03	up
5638468	7029985	960597	---	---	---	1,03	up
5638571	7091439	1106630	---	---	---	1,49	down
5638591	7034293	971994	---	---	---	1,36	up
5638689	7313538	1655742	---	---	---	1,40	down
5638768	7058507	1028297	---	---	---	1,24	down
5638818	7258546	1518975	---	---	---	1,23	up
5638871	7180630	1326426	---	---	---	1,23	up
5638876	7112355	1158076	---	---	---	1,22	up
5638887	7372840	1803781	---	---	---	1,18	up
5639009	7146245	1241362	---	---	---	1,06	up
5639046	7121074	1179916	---	---	---	1,05	down
5639069	7186240	1340820	---	---	---	1,06	down
5639073	7327169	1688442	---	---	---	1,21	up
5639122	7274780	1559226	---	---	---	1,10	up
5639232	7128112	1196525	---	---	---	1,17	down
5639253	7086672	1094394	---	---	---	1,57	down
5639271	7101258	1130570	---	---	---	1,02	up
5639275	7254040	1507593	---	---	---	1,14	down
5639288	7174281	1310844	---	---	---	2,03	up
5639303	7227474	1441126	---	---	---	1,22	up
5639409	7146093	1240983	---	---	---	1,54	down
5639411	7207971	1394324	---	---	---	1,25	down
5639415	7140365	1226771	---	---	---	1,18	up
5639483	7247976	1492429	---	---	---	1,25	up
5639492	7364948	1781218	---	---	---	1,26	up
5639524	7336050	1709751	---	---	---	1,56	down
5639721	7062233	1037228	---	---	---	1,12	down
5639725	7306330	1638522	---	---	---	1,19	down
5639811	7247230	1490581	---	---	---	1,30	down
5639869	7339452	1718595	---	---	---	1,06	up
5640168	7127691	1195632	---	---	---	1,25	down
5640248	7160687	1276995	---	---	---	1,17	up
5640262	7376073	1811716	---	---	---	1,08	up
5640293	7374493	1807966	---	---	---	1,04	up
5640343	7361042	1772264	---	---	---	1,04	down
5640345	7166867	1291369	---	---	---	1,38	down
5640383	7035525	974771	---	---	---	2,10	down
5640488	7270592	1548561	---	---	---	1,23	up
5640510	7358859	1767002	---	---	---	1,05	up
5640515	7056304	1023627	---	---	---	1,71	up
5640527	7278010	1568038	---	---	---	1,17	up
5640556	7179785	1324499	---	---	---	1,23	down
5640589	7062436	1037653	---	---	---	1,27	up
5640627	7220914	1425048	---	---	---	2,80	down
5640664	7087282	1096144	---	---	---	1,13	up
5640675	7209927	1398918	---	---	---	1,05	up
5640727	7344713	1732177	---	---	---	1,56	up
5640749	7028624	958006	---	---	---	1,09	down
5640949	7256070	1512583	---	---	---	1,03	down
5641070	7374493	1807958	---	---	---	1,24	up
5641092	7306229	1638266	---	---	---	1,66	up

5641225	7371001	1798850	---	---	---	1,15	up
5641230	7217434	1416343	---	---	---	1,04	up
5641276	7318714	1669244	---	---	---	1,02	down
5641279	7062233	1037205	---	---	---	1,01	down
5641331	7212587	1404635	---	---	---	1,42	down
5641337	7321029	1674804	---	---	---	1,07	down
5641339	7256070	1512599	---	---	---	1,65	up
5641349	7274892	1559549	---	---	---	2,10	down
5641430	7079238	1077811	---	---	---	1,02	up
5641555	7280743	1574464	---	---	---	1,04	up
5641699	7359453	1768449	---	---	---	1,09	up
5641772	7052813	1015931	---	---	---	1,43	down
5641842	7281924	1577749	---	---	---	1,01	up
5641856	7114934	1164531	---	---	---	2,14	down
5641891	7380497	1821829	---	---	---	1,02	down
5641972	7156611	1267325	---	---	---	1,00	up
5641991	7240569	1475464	---	---	---	1,14	up
5642012	7075460	1069395	---	---	---	1,04	up
5642025	7366728	1785433	---	---	---	1,43	down
5642064	7369939	1795635	---	---	---	1,99	down
5642129	7112355	1158081	---	---	---	1,27	up
5642443	7277742	1567166	---	---	---	1,78	up
5642450	7186464	1341369	---	---	---	1,26	down
5642493	7358048	1764805	---	---	---	1,03	down
5642603	7356115	1760136	---	---	---	1,25	down
5642609	7156611	1267336	---	---	---	1,11	down
5642820	7078982	1077311	---	---	---	1,16	up
5642903	7140365	1226775	---	---	---	1,53	up
5642928	7073677	1065156	---	---	---	1,33	down
5642951	7039223	983563	---	---	---	1,11	down
5642961	7070836	1058349	---	---	---	1,01	down
5643092	7059584	1030542	---	---	---	1,41	up
5643135	7318714	1669243	---	---	---	1,46	up
5643219	7365147	1781747	---	---	---	1,01	up
5643266	7070668	1057911	---	---	---	1,34	up
5643290	7361881	1773957	---	---	---	1,26	down
5643302	7264797	1534427	---	---	---	1,04	up
5643354	7361042	1772278	---	---	---	2,14	down
5643428	7252877	1504751	---	---	---	1,37	up
5643486	7209927	1398939	---	---	---	1,17	down
5643581	7374324	1807501	---	---	---	1,22	down
5643669	7128921	1198516	---	---	---	1,36	up
5643771	7033337	969499	---	---	---	1,14	up
5643800	7100523	1128902	---	---	---	1,27	up
5643818	7128539	1197666	---	---	---	1,07	up
5643839	7166867	1291347	---	---	---	1,13	down
5643906	7093296	1110886	---	---	---	1,62	up
5643958	7073950	1065923	---	---	---	1,50	up
5644087	7189455	1348345	---	---	---	1,04	down
5644166	7052813	1015883	---	---	---	1,59	down
5644186	7293402	1604804	---	---	---	1,08	up
5644252	7200129	1375996	---	---	---	1,62	down
5644334	7087282	1096240	---	---	---	1,04	down
5644373	7079600	1078629	---	---	---	1,05	down
5644378	7084716	1090110	---	---	---	2,73	down
5644588	7113085	1159998	---	---	---	1,36	up
5644620	7147809	1245448	---	---	---	1,27	up

5644717	7340990	1722509	---	---	---	1,01	up
5644825	7188829	1346662	---	---	---	1,14	down
5644967	7107321	1145318	---	---	---	1,28	down
5644981	7264797	1534422	---	---	---	1,01	up
5644986	7156052	1265760	---	---	---	1,01	up
5645024	7329135	1693498	---	---	---	1,11	up
5645034	7228530	1443905	---	---	---	1,26	down
5645046	7041609	989588	---	---	---	1,00	down
5645085	7247005	1490120	---	---	---	1,01	down
5645164	7355580	1758895	---	---	---	1,44	down
5645186	7085063	1090806	---	---	---	2,16	up
5645220	7257893	1517481	---	---	---	1,23	down
5645221	7028278	957310	---	---	---	1,17	up
5645251	7105780	1141705	---	---	---	2,04	down
5645350	7240569	1475503	---	---	---	1,11	down
5645382	7155765	1265043	---	---	---	1,01	up
5645519	7084500	1089707	---	---	---	1,02	down
5645602	7110999	1154775	---	---	---	1,37	down
5645603	7247848	1492049	---	---	---	1,11	up
5645735	7183182	1333563	---	---	---	1,52	up
5645775	7073950	1065938	---	---	---	1,18	down
5645794	7146542	1242295	---	---	---	1,01	up
5645858	7320735	1674160	---	---	---	1,01	up
5645868	7167883	1294099	---	---	---	1,05	up
5646044	7212587	1404651	---	---	---	1,14	down
5646099	7140113	1226087	---	---	---	1,67	down
5646128	7142321	1231498	---	---	---	1,14	up
5646144	7337314	1712898	---	---	---	1,15	up
5646213	7252877	1504710	---	---	---	1,19	up
5646263	7072765	1062741	---	---	---	1,13	up
5646334	7360486	1770960	---	---	---	1,02	up
5646340	7345465	1733859	---	---	---	1,43	down
5646383	7152974	1257659	---	---	---	1,27	up
5646399	7080563	1080715	---	---	---	1,27	down
5646527	7374324	1807504	---	---	---	1,47	up
5646667	7076236	1071178	---	---	---	1,07	up
5646713	7279810	1572589	---	---	---	3,22	down
5646868	7337522	1713595	---	---	---	2,15	down
5646946	7221443	1426312	---	---	---	1,07	down
5646960	7378997	1818648	---	---	---	1,12	up
5646972	7312686	1653623	---	---	---	2,03	up
5646986	7331413	1699136	---	---	---	1,02	down
5647018	7377304	1814599	---	---	---	1,15	up
5647058	7270397	1548132	---	---	---	1,74	down
5647147	7171091	1302470	---	---	---	1,13	up
5647237	7240569	1475487	---	---	---	1,09	down
5647250	7069721	1055283	---	---	---	1,12	down
5647297	7217434	1416452	---	---	---	1,16	up
5647346	7198087	1370679	---	---	---	1,11	up
5647456	7244027	1483277	---	---	---	1,46	up
5647555	7100523	1128849	---	---	---	1,08	up
5647671	7327169	1688440	---	---	---	1,42	up
5647769	7364346	1780010	---	---	---	1,54	up
5647822	7337425	1713137	---	---	---	1,01	up
5647927	7333462	1703643	---	---	---	2,23	down
5647941	7311391	1650850	---	---	---	1,08	up
5647979	7156052	1265744	---	---	---	1,08	down

5648033	7056736	1024419	---	---	---	1,38	up
5648043	7131876	1206045	---	---	---	1,23	down
5648144	7216676	1414421	---	---	---	1,31	down
5648272	7067670	1050319	---	---	---	2,86	up
5648333	7378997	1818639	---	---	---	2,15	down
5648413	7030549	961799	---	---	---	1,05	up
5648469	7229856	1447078	---	---	---	1,15	up
5648496	7369400	1793983	---	---	---	1,14	up
5648516	7260488	1523913	---	---	---	1,01	down
5648526	7095066	1115269	---	---	---	1,20	up
5648674	7352635	1751446	---	---	---	1,43	up
5648684	7055793	1022322	---	---	---	1,21	up
5648782	7344406	1731202	---	---	---	1,24	up
5648784	7303777	1631912	---	---	---	1,49	up
5648786	7281924	1577734	---	---	---	1,10	up
5648791	7069721	1055291	---	---	---	1,01	down
5648803	7240641	1475780	---	---	---	1,15	down
5648899	7341264	1723350	---	---	---	1,03	down
5648938	7297756	1616091	---	---	---	1,03	up
5649020	7031618	964201	---	---	---	1,13	up
5649049	7073573	1064748	---	---	---	2,06	down
5649051	7344838	1732458	---	---	---	1,69	down
5649068	7094158	1112981	---	---	---	1,09	up
5649288	7227474	1441113	---	---	---	1,16	down
5649398	7247005	1490111	---	---	---	1,00	up
5649421	7217192	1415699	---	---	---	1,05	down
5649429	7122805	1184245	---	---	---	1,07	down
5649479	7143455	1234729	---	---	---	1,00	down
5649492	7374493	1807965	---	---	---	2,29	down
5649505	7168979	1297175	---	---	---	1,51	down
5649604	7295410	1609754	---	---	---	1,88	up
5649650	7059020	1029362	---	---	---	1,21	up
5649656	7069830	1055642	---	---	---	1,12	down
5649725	7217434	1416352	---	---	---	1,10	up
5649744	7142770	1232693	---	---	---	1,15	down
5649781	7363529	1777944	---	---	---	1,02	down
5649884	7341274	1723391	---	---	---	1,35	up
5649915	7106752	1144007	---	---	---	1,70	up
5649934	7038659	982166	---	---	---	1,02	down
5649950	7384073	1829452	---	---	---	1,11	up
5650049	7088625	1099877	---	---	---	4,61	down
5650213	7089952	1103318	---	---	---	1,83	up
5650343	7101258	1130567	---	---	---	1,19	up
5650368	7297589	1615629	---	---	---	1,26	up
5650452	7189184	1347596	---	---	---	1,22	down
5650475	7158920	1272509	---	---	---	1,20	up
5650597	7070869	1058492	---	---	---	1,20	up
5650606	7075460	1069391	---	---	---	1,33	up
5650652	7247954	1492396	---	---	---	1,59	down
5650684	7068942	1053385	---	---	---	1,12	down
5650730	7176362	1315506	---	---	---	1,32	up
5650890	7312569	1653341	---	---	---	1,05	down
5650935	7182739	1332583	---	---	---	1,38	up
5650938	7272110	1553031	---	---	---	1,11	up
5650971	7181286	1328484	---	---	---	1,70	up
5651002	7340673	1721712	---	---	---	1,23	down
5651069	7341274	1723381	---	---	---	1,34	up

5651104	7086966	1095253	---	---	---	1,03	down
5651128	7079475	1078281	---	---	---	1,43	down
5651134	7244287	1484047	---	---	---	1,21	down
5651140	7237814	1467841	---	---	---	1,07	down
5651268	7205944	1389461	---	---	---	1,23	down
5651404	7126400	1192525	---	---	---	1,14	down
5651478	7080476	1080400	---	---	---	1,24	down
5651587	7273251	1555948	---	---	---	1,36	up
5651593	7086966	1095236	---	---	---	1,94	up
5651603	7359361	1768262	---	---	---	1,11	down
5651613	7040442	986524	---	---	---	1,53	up
5651628	7321414	1675640	---	---	---	1,07	down
5651678	7062436	1037682	---	---	---	1,36	up
5651684	7094158	1112972	---	---	---	1,77	down
5651738	7174281	1310845	---	---	---	2,07	up
5651782	7180598	1326330	---	---	---	1,21	up
5651886	7376820	1813442	---	---	---	1,36	down
5651903	7222236	1428122	---	---	---	1,11	down
5651910	7256191	1512862	---	---	---	1,06	down
5652024	7384509	1830731	---	---	---	1,25	down
5652036	7368489	1791034	---	---	---	1,00	up
5652079	7376073	1811700	---	---	---	1,00	up
5652119	7069830	1055643	---	---	---	1,11	down
5652266	7136062	1216294	---	---	---	1,31	up
5652269	7328985	1693172	---	---	---	1,28	down
5652276	7142917	1233175	---	---	---	1,05	down
5652284	7355804	1759431	---	---	---	1,06	down
5652295	7231152	1450228	---	---	---	1,05	up
5652299	7165644	1288009	---	---	---	2,24	up
5652337	7247907	1492242	---	---	---	1,00	up
5652383	7207093	1392095	---	---	---	1,15	up
5652547	7064732	1042931	---	---	---	1,50	down
5652608	7061003	1033923	---	---	---	1,02	down
5652620	7043515	994006	---	---	---	2,36	down
5652625	7253358	1505834	---	---	---	1,39	up
5652843	7068942	1053380	---	---	---	1,17	up
5652848	7252728	1504325	---	---	---	1,38	up
5652962	7229061	1445300	---	---	---	1,87	up
5652967	7131372	1205049	---	---	---	1,08	down
5653052	7293922	1605958	---	---	---	1,16	up
5653268	7182056	1330576	---	---	---	1,04	up
5653349	7217650	1417171	---	---	---	1,40	up
5653379	7333462	1703641	---	---	---	1,20	up
5653435	7101643	1131578	---	---	---	1,58	up
5653437	7029078	958875	---	---	---	1,28	up
5653451	7225291	1435293	---	---	---	1,04	up
5653638	7313841	1656718	---	---	---	1,23	up
5653657	7309738	1646947	---	---	---	1,00	up
5653858	7256070	1512581	---	---	---	1,19	down
5653890	7069830	1055639	---	---	---	1,24	up
5653936	7213908	1407657	---	---	---	1,47	up
5653949	7279303	1571201	---	---	---	1,52	down
5654035	7259923	1522524	---	---	---	1,33	up
5654037	7339732	1719239	---	---	---	1,42	down
5654069	7067670	1050333	---	---	---	1,30	up
5654077	7039725	984817	---	---	---	1,19	up
5654104	7295410	1609716	---	---	---	1,28	up

5654166	7361881	1773943	---	---	---	1,44	down
5654462	7368954	1792778	---	---	---	2,04	up
5654475	7281188	1575809	---	---	---	1,11	up
5654481	7176235	1315234	---	---	---	1,20	down
5654504	7083030	1086248	---	---	---	1,16	up
5654526	7261580	1526806	---	---	---	1,15	down
5654551	7041465	989108	---	---	---	1,04	down
5654738	7097536	1121129	---	---	---	1,04	down
5654758	7381330	1823641	---	---	---	1,36	up
5654852	7041061	988081	---	---	---	1,50	up
5654900	7029119	958977	---	---	---	1,19	up
5654988	7107926	1146838	---	---	---	1,32	down
5654989	7087965	1098047	---	---	---	1,36	down
5655060	7240569	1475400	---	---	---	1,30	down
5655084	7200545	1376912	---	---	---	1,10	down
5655373	7058507	1028294	---	---	---	1,09	up
5655394	7169599	1298444	---	---	---	1,14	up
5655527	7114274	1162811	---	---	---	1,00	up
5655596	7354935	1757097	---	---	---	1,67	up
5655636	7373633	1805697	---	---	---	1,04	up
5655712	7240569	1475472	---	---	---	1,08	up
5655728	7069239	1054091	---	---	---	1,49	down
5655749	7146542	1242252	---	---	---	1,10	down
5655774	7194400	1361783	---	---	---	1,41	up
5655804	7086966	1095263	---	---	---	1,07	up
5655824	7147416	1244423	---	---	---	1,39	up
5655840	7231557	1451566	---	---	---	1,21	down
5655899	7318286	1668333	---	---	---	1,02	down
5655989	7094139	1112921	---	---	---	1,03	up
5656063	7247907	1492238	---	---	---	1,00	up
5656097	7084500	1089703	---	---	---	1,31	up
5656108	7169599	1298453	---	---	---	1,18	up
5656123	7073677	1065150	---	---	---	1,20	down
5656201	7320068	1672626	---	---	---	1,28	up
5656223	7274892	1559566	---	---	---	1,05	up
5656303	7327169	1688460	---	---	---	1,23	up
5656308	7052385	1014790	---	---	---	1,13	down
5656390	7376073	1811691	---	---	---	1,13	up
5656425	7298101	1617093	---	---	---	1,06	up
5656535	7039302	983840	---	---	---	1,33	down
5656584	7099573	1126723	---	---	---	1,17	down
5656619	7292517	1602554	---	---	---	1,16	up
5656682	7328985	1693160	---	---	---	1,14	down
5656861	7217747	1417467	---	---	---	1,69	down
5657054	7113483	1161021	---	---	---	1,26	down
5657070	7105375	1140969	---	---	---	1,02	down
5657222	7217679	1417297	---	---	---	1,42	up
5657226	7297589	1615666	---	---	---	1,72	up
5657241	7181193	1328299	---	---	---	1,21	down
5657252	7035525	974772	---	---	---	1,56	down
5657327	7247954	1492387	---	---	---	1,07	up
5657471	7112350	1158029	---	---	---	1,14	down
5657553	7229061	1445287	---	---	---	1,26	down
5657593	7150047	1250782	---	---	---	1,53	up
5657648	7312566	1653300	---	---	---	1,55	up
5657652	7195680	1364883	---	---	---	1,48	up
5657712	7041609	989555	---	---	---	1,12	down

5657730	7207093	1392105	---	---	---	1,10	up
5657753	7297274	1614658	---	---	---	1,00	down
5657839	7330223	1695835	---	---	---	2,66	down
5657853	7210387	1400046	---	---	---	1,54	down
5657897	7368004	1789328	---	---	---	1,20	up
5657916	7095021	1115139	---	---	---	1,70	up
5657917	7356115	1760114	---	---	---	1,50	up
5657958	7088625	1099868	---	---	---	1,42	up
5658002	7210822	1400969	---	---	---	1,15	down
5658096	7067828	1050771	---	---	---	1,17	down
5658121	7113083	1159968	---	---	---	1,28	up
5658199	7280959	1575055	---	---	---	1,02	up
5658241	7148741	1247838	---	---	---	1,10	up
5658290	7181105	1327963	---	---	---	1,56	up
5658359	7143455	1234713	---	---	---	1,58	down
5658436	7059020	1029349	---	---	---	1,40	up
5658446	7236131	1463790	---	---	---	1,21	down
5658472	7033504	969850	---	---	---	1,61	up
5658478	7071264	1059285	---	---	---	1,58	down
5658498	7083030	1086248	---	---	---	1,15	up
5658507	7152974	1257657	---	---	---	1,01	up
5658524	7196029	1365624	---	---	---	1,14	down
5658739	7109730	1151745	---	---	---	1,25	down
5658798	7110401	1153057	---	---	---	1,37	up
5658853	7257893	1517456	---	---	---	1,14	up
5658903	7353997	1754710	---	---	---	1,88	up
5658931	7301843	1626474	---	---	---	1,12	down
5658975	7061550	1035282	---	---	---	1,34	down
5658995	7052176	1014219	---	---	---	1,29	up
5659043	7234401	1459338	---	---	---	1,06	down
5659174	7045955	1000746	---	---	---	1,03	up
5659206	7253408	1505935	---	---	---	1,43	up
5659370	7264653	1534060	---	---	---	1,24	up
5659382	7291828	1600925	---	---	---	1,60	down
5659417	7052338	1014664	---	---	---	1,87	down
5659548	7297589	1615641	---	---	---	1,01	up
5659628	7162177	1280576	---	---	---	1,19	down
5659653	7075460	1069406	---	---	---	1,21	up
5659705	7212285	1403988	---	---	---	1,03	down
5659751	7131805	1205907	---	---	---	1,18	down
5659872	7075445	1069353	---	---	---	1,29	up
5659921	7339732	1719203	---	---	---	1,50	down
5659928	7378997	1818646	---	---	---	1,19	down
5659968	7313841	1656716	---	---	---	1,23	down
5660008	7198210	1371026	---	---	---	1,11	down
5660070	7040442	986554	---	---	---	1,42	down
5660134	7374790	1808783	---	---	---	1,12	up
5660159	7110401	1153069	---	---	---	1,04	up
5660241	7240569	1475502	---	---	---	1,00	up
5660259	7139708	1225067	---	---	---	1,14	up
5660320	7220449	1424092	---	---	---	2,24	up
5660360	7293402	1604856	---	---	---	1,53	up
5660419	7088625	1099880	---	---	---	1,34	up
5660468	7070869	1058491	---	---	---	1,85	down
5660476	7028624	957993	---	---	---	1,05	up
5660481	7355755	1759318	---	---	---	1,13	up
5660517	7373038	1804289	---	---	---	1,40	down

5660519	7207971	1394312	---	---	---	1,28	up
5660588	7189669	1348970	---	---	---	1,07	up
5660590	7371228	1799457	---	---	---	1,01	down
5660627	7207069	1392028	---	---	---	1,32	down
5660645	7337250	1712720	---	---	---	1,18	up
5660652	7079475	1078288	---	---	---	1,39	up
5660690	7030087	960787	---	---	---	1,20	down
5660730	7240569	1475479	---	---	---	1,03	up
5660794	7309738	1646947	---	---	---	1,17	up
5660813	7330314	1696144	---	---	---	2,36	up
5660819	7083030	1086259	---	---	---	1,04	up
5660858	7088164	1098472	---	---	---	1,05	up
5660939	7031618	964198	---	---	---	1,22	down
5660942	7350489	1746106	---	---	---	1,00	down
5661067	7184850	1337612	---	---	---	1,11	down
5661078	7143455	1234728	---	---	---	1,88	down
5661102	7336931	1711872	---	---	---	1,52	up
5661155	7142081	1230986	---	---	---	1,29	up
5661249	7191866	1354893	---	---	---	1,25	up
5661255	7343279	1728117	---	---	---	1,35	up
5661381	7067670	1050322	---	---	---	2,70	up
5661388	7148741	1247839	---	---	---	1,38	down
5661395	7175946	1314650	---	---	---	1,05	down
5661483	7113083	1159966	---	---	---	1,12	up
5661518	7243901	1483058	---	---	---	1,15	up
5661569	7366749	1785515	---	---	---	1,17	down
5661573	7039725	984832	---	---	---	1,00	up
5661601	7361223	1772620	---	---	---	1,05	down
5661627	7309734	1646877	---	---	---	2,22	down
5661633	7069142	1053880	---	---	---	1,06	down
5661700	7263248	1530601	---	---	---	1,31	up
5661705	7141456	1229610	---	---	---	1,68	up
5661724	7181001	1327592	---	---	---	1,03	up
5661738	7353224	1752671	---	---	---	1,04	up
5661772	7332128	1700849	---	---	---	1,24	down
5661833	7350993	1747497	---	---	---	1,06	down
5661887	7138580	1222507	---	---	---	1,50	down
5661927	7121849	1181775	---	---	---	1,30	up
5661928	7157189	1268660	---	---	---	1,02	up
5662016	7326245	1686391	---	---	---	1,04	up
5662259	7069724	1055337	---	---	---	1,12	up
5662321	7239752	1473149	---	---	---	1,26	up
5662378	7060896	1033619	---	---	---	1,54	up
5662439	7376566	1812878	---	---	---	2,92	up
5662474	7168979	1297186	---	---	---	1,23	up
5662522	7330396	1696370	---	---	---	1,37	up
5662587	7055793	1022311	---	---	---	1,22	up
5662595	7083355	1086911	---	---	---	1,20	up
5662645	7139708	1225051	---	---	---	1,31	up
5662648	7227433	1440984	---	---	---	2,30	down
5662710	7122131	1182680	---	---	---	1,01	up
5662874	7034356	972169	---	---	---	1,45	up
5662877	7254040	1507592	---	---	---	1,21	up
5662894	7079238	1077806	---	---	---	1,20	down
5663058	7204917	1387118	---	---	---	1,50	down
5663200	7148978	1248528	---	---	---	1,08	up
5663223	7079475	1078286	---	---	---	1,53	up

5663434	7258546	1518930	---	---	---	1,10	down
5663449	7056736	1024416	---	---	---	1,34	up
5663491	7293922	1605964	---	---	---	2,65	down
5663615	7092549	1109167	---	---	---	1,19	down
5663645	7174281	1310875	---	---	---	1,16	up
5663670	7289382	1595205	---	---	---	1,19	down
5663725	7102723	1134431	---	---	---	1,67	up
5663748	7162144	1280514	---	---	---	1,27	up
5663760	7337522	1713634	---	---	---	1,62	up
5663765	7180166	1325239	---	---	---	1,07	down
5663781	7073609	1064859	---	---	---	1,19	down
5663927	7329846	1694996	---	---	---	1,41	up
5663942	7140365	1226767	---	---	---	2,59	down
5663960	7217434	1416424	---	---	---	1,90	down
5664006	7194400	1361732	---	---	---	1,04	down
5664013	7358859	1766963	---	---	---	1,13	down
5664021	7055876	1022469	---	---	---	1,06	down
5664062	7344530	1731582	---	---	---	1,21	up
5664167	7275879	1562186	---	---	---	2,06	down
5664182	7288170	1592321	---	---	---	1,07	down
5664231	7249388	1495880	---	---	---	1,05	down
5664259	7196029	1365625	---	---	---	1,08	up
5664287	7095041	1115174	---	---	---	1,54	down
5664345	7106752	1144058	---	---	---	1,00	up
5664382	7095041	1115175	---	---	---	1,04	down
5664483	7259923	1522530	---	---	---	1,25	down
5664514	7363568	1778141	---	---	---	1,63	down
5664537	7069253	1054153	---	---	---	1,10	down
5664641	7346505	1736285	---	---	---	1,52	down
5664741	7213908	1407698	---	---	---	1,14	down
5664748	7335637	1708479	---	---	---	1,36	up
5664778	7123714	1186425	---	---	---	1,07	up
5664807	7055793	1022308	---	---	---	1,07	up
5664939	7321029	1674827	---	---	---	1,17	up
5664956	7092549	1109178	---	---	---	1,19	down
5665085	7257893	1517460	---	---	---	1,10	up
5665238	7211389	1402113	---	---	---	1,11	down
5665266	7315206	1660016	---	---	---	1,98	down
5665293	7038153	981162	---	---	---	1,44	up
5665312	7098077	1122730	---	---	---	1,08	down
5665321	7068942	1053382	---	---	---	1,65	up
5665326	7200313	1376465	---	---	---	1,36	down
5665385	7320735	1674176	---	---	---	1,08	down
5665389	7335637	1708463	---	---	---	1,17	up
5665427	7064732	1042909	---	---	---	2,29	down
5665485	7240569	1475403	---	---	---	1,03	down
5665535	7355138	1757685	---	---	---	2,02	up
5665555	7368489	1791034	---	---	---	1,03	down
5665597	7350489	1746120	---	---	---	1,05	down
5665648	7359426	1768370	---	---	---	1,04	down
5665653	7121849	1181790	---	---	---	1,29	down
5665714	7115507	1165968	---	---	---	1,14	down
5665716	7217679	1417304	---	---	---	1,15	down
5665723	7339286	1718038	---	---	---	1,01	down
5665858	7259925	1522570	---	---	---	1,48	up
5665909	7139708	1225060	---	---	---	1,07	up
5666034	7336837	1711614	---	---	---	1,10	down

5666066	7344836	1732411	---	---	---	1,09	up
5666068	7361881	1773935	---	---	---	1,02	up
5666179	7166867	1291297	---	---	---	1,56	up
5666198	7173706	1309297	---	---	---	1,20	up
5666295	7257337	1515976	---	---	---	2,33	down
5666333	7168521	1295909	---	---	---	1,19	down
5666417	7289879	1596439	---	---	---	1,28	down
5666447	7212587	1404643	---	---	---	1,12	down
5666636	7237711	1467430	---	---	---	1,54	down
5666657	7279568	1572028	---	---	---	1,14	up
5666670	7264653	1534025	---	---	---	1,54	down
5666689	7231653	1451865	---	---	---	1,02	down
5666936	7209811	1398675	---	---	---	1,46	down
5666993	7326612	1687204	---	---	---	1,94	down
5667013	7330582	1696862	---	---	---	1,68	down
5667022	7340757	1721889	---	---	---	1,84	down
5667062	7131372	1205030	---	---	---	1,22	down
5667102	7276650	1564163	---	---	---	1,03	down
5667185	7182739	1332589	---	---	---	1,08	down
5667192	7198087	1370637	---	---	---	1,89	up
5667229	7148978	1248539	---	---	---	1,16	down
5667335	7078143	1075437	---	---	---	2,14	up
5667528	7205944	1389473	---	---	---	1,05	up
5667595	7196803	1367338	---	---	---	1,15	up
5667711	7169573	1298391	---	---	---	1,07	down
5667724	7131550	1205571	---	---	---	1,03	up
5667743	7320998	1674733	---	---	---	1,22	down
5667802	7123421	1185812	---	---	---	1,51	down
5667904	7217650	1417177	---	---	---	1,33	up
5667970	7033673	970377	---	---	---	1,17	down
5667974	7132020	1206308	---	---	---	1,51	up
5668127	7221443	1426319	---	---	---	1,46	down
5668243	7373633	1805716	---	---	---	1,05	up
5668244	7364948	1781228	---	---	---	1,00	down
5668264	7216807	1414700	---	---	---	1,20	down
5668555	7355138	1757772	---	---	---	1,03	down
5668626	7266544	1538342	---	---	---	2,01	down
5668642	7282831	1579770	---	---	---	1,13	down
5668834	7344380	1731119	---	---	---	1,57	up
5668881	7300027	1621891	---	---	---	1,21	up
5668950	7090581	1104745	---	---	---	1,61	up
5669161	7157189	1268588	---	---	---	1,02	down
5669174	7326612	1687192	---	---	---	1,08	up
5669201	7027350	954942	---	---	---	1,02	down
5669264	7113085	1159990	---	---	---	1,17	up
5669279	7378997	1818680	---	---	---	1,44	down
5669302	7226277	1437996	---	---	---	1,05	down
5669315	7243647	1482481	---	---	---	1,18	down
5669347	7031774	964788	---	---	---	1,52	down
5669444	7031774	964777	---	---	---	1,24	down
5669552	7180630	1326456	---	---	---	1,11	down
5669568	7263652	1531628	---	---	---	1,02	up
5669607	7188138	1345026	---	---	---	1,02	up
5669788	7170764	1301476	---	---	---	1,27	up
5670007	7193987	1360666	---	---	---	2,41	up
5670017	7049184	1007935	---	---	---	1,30	up
5670087	7058507	1028306	---	---	---	1,21	down

5670177	7377116	1814074	---	---	---	1,03	up
5670213	7217679	1417318	---	---	---	1,53	down
5670284	7374324	1807467	---	---	---	1,01	down
5670340	7112566	1158626	---	---	---	1,09	up
5670355	7193403	1359190	---	---	---	1,08	down
5670440	7217650	1417204	---	---	---	1,48	down
5670453	7181193	1328293	---	---	---	1,26	down
5670487	7198087	1370681	---	---	---	1,03	up
5670503	7203018	1382643	---	---	---	1,09	up
5670578	7243647	1482484	---	---	---	1,06	up
5670743	7127257	1194800	---	---	---	2,27	up
5670785	7202837	1382316	---	---	---	1,10	up
5670803	7354935	1757089	---	---	---	1,04	down
5670909	7343250	1728036	---	---	---	1,90	down
5671015	7121849	1181765	---	---	---	1,21	up
5671064	7040674	987030	---	---	---	1,99	up
5671116	7247230	1490577	---	---	---	1,37	down
5671139	7088544	1099676	---	---	---	1,01	down
5671164	7233970	1458274	---	---	---	1,08	up
5671446	7078666	1076548	---	---	---	1,25	up
5671493	7217650	1417186	---	---	---	1,03	down
5671622	7120671	1178993	---	---	---	1,75	down
5671669	7303805	1632098	---	---	---	1,05	down
5672042	7220618	1424436	---	---	---	1,21	up
5672057	7207292	1392621	---	---	---	1,08	up
5672076	7180804	1327005	---	---	---	1,11	down
5672172	7055793	1022318	---	---	---	1,10	down
5672180	7227474	1441168	---	---	---	2,61	down
5672243	7034293	971904	---	---	---	1,14	up
5672332	7340304	1720867	---	---	---	1,32	down
5672397	7181452	1328932	---	---	---	1,17	up
5672416	7031774	964783	---	---	---	1,40	down
5672422	7227474	1441128	---	---	---	1,19	up
5672474	7337224	1712620	---	---	---	1,52	up
5672481	7116540	1168638	---	---	---	1,25	up
5672486	7258784	1519674	---	---	---	1,04	up
5672618	7290814	1598670	---	---	---	2,45	up
5672648	7371682	1800774	---	---	---	1,62	down
5672686	7333027	1702682	---	---	---	1,21	up
5672692	7208784	1396109	---	---	---	1,67	up
5672932	7110999	1154772	---	---	---	1,61	down
5672973	7330396	1696345	---	---	---	1,14	up
5672997	7237672	1467305	---	---	---	1,48	up
5673104	7267953	1542264	---	---	---	1,51	up
5673128	7341243	1723225	---	---	---	1,50	down
5673189	7113483	1161005	---	---	---	1,01	up
5673254	7041609	989575	---	---	---	1,12	up
5673258	7148741	1247836	---	---	---	1,00	down
5673275	7158517	1271595	---	---	---	1,06	up
5673325	7363568	1778138	---	---	---	1,04	up
5673344	7095041	1115188	---	---	---	1,21	down
5673351	7366749	1785536	---	---	---	2,33	down
5673352	7193056	1358257	---	---	---	1,03	up
5673538	7109292	1150741	---	---	---	1,05	up
5673577	7122140	1182716	---	---	---	1,26	up
5673684	7292869	1603408	---	---	---	2,36	down
5673690	7380878	1822561	---	---	---	1,20	up

5673806	7358788	1766856	---	---	---	1,04	up
5673880	7252382	1503515	---	---	---	1,93	down
5673942	7320735	1674177	---	---	---	1,29	down
5673949	7175946	1314645	---	---	---	1,11	down
5673955	7306330	1638523	---	---	---	1,94	down
5674089	7093255	1110765	---	---	---	1,39	up
5674119	7078666	1076506	---	---	---	1,12	down
5674128	7281877	1577537	---	---	---	1,42	down
5674171	7217434	1416439	---	---	---	1,05	up
5674257	7237992	1468282	---	---	---	1,04	up
5674286	7090581	1104749	---	---	---	1,11	down
5674330	7173706	1309270	---	---	---	2,09	up
5674436	7288170	1592321	---	---	---	1,09	down
5674515	7240569	1475388	---	---	---	1,12	down
5674535	7243901	1483059	---	---	---	1,33	down
5674614	7374324	1807539	---	---	---	1,87	down
5674687	7217747	1417508	---	---	---	1,14	down
5674724	7286807	1588804	---	---	---	1,57	up
5674862	7221256	1425884	---	---	---	2,13	up
5674983	7240569	1475512	---	---	---	1,03	down
5675047	7025670	950443	---	---	---	1,02	down
5675061	7244287	1484068	---	---	---	1,21	down
5675139	7231655	1451918	---	---	---	1,06	down
5675271	7093936	1112480	---	---	---	1,02	up
5675293	7323869	1680881	---	---	---	1,09	up
5675486	7091439	1106616	---	---	---	1,06	down
5675536	7031774	964765	---	---	---	1,24	down
5675580	7279806	1572560	---	---	---	1,12	up
5675582	7193056	1358267	---	---	---	1,17	down
5675589	7165825	1288453	---	---	---	2,04	up
5675606	7227474	1441162	---	---	---	1,22	down
5675622	7273251	1555957	---	---	---	1,60	up
5675953	7156052	1265776	---	---	---	1,53	down
5676022	7288077	1591943	---	---	---	1,16	down
5676106	7307424	1641140	---	---	---	1,36	down
5676227	7041609	989583	---	---	---	1,19	up
5676266	7237940	1468183	---	---	---	1,30	down
5676302	7318286	1668335	---	---	---	1,21	down
5676560	7236358	1464255	---	---	---	1,10	down
5676635	7309646	1646489	---	---	---	1,09	up
5676649	7180943	1327442	---	---	---	1,50	up
5676812	7350181	1745386	---	---	---	1,28	up
5676837	7039223	983566	---	---	---	1,20	down
5676861	7361881	1773956	---	---	---	1,26	down
5676908	7211363	1402050	---	---	---	1,09	down
5676956	7220618	1424434	---	---	---	1,06	up
5676973	7031774	964724	---	---	---	1,03	up
5677050	7195680	1364902	---	---	---	1,03	up
5677088	7198087	1370674	---	---	---	1,43	up
5677219	7370415	1796853	---	---	---	1,17	down
5677255	7258455	1518725	---	---	---	1,05	down
5677349	7193056	1358259	---	---	---	1,01	up
5677368	7112355	1158075	---	---	---	1,16	down
5677380	7329135	1693483	---	---	---	1,43	up
5677517	7261768	1527177	---	---	---	2,36	up
5677647	7072748	1062594	---	---	---	1,90	down
5677748	7212587	1404645	---	---	---	1,25	down

5677754	7282927	1580022	---	---	---	1,05	down
5677784	7109292	1150723	---	---	---	1,39	down
5677812	7197056	1367845	---	---	---	1,54	up
5677841	7198210	1371010	---	---	---	1,02	down
5677875	7307424	1641142	---	---	---	1,09	down
5678072	7058507	1028296	---	---	---	1,35	up
5678083	7098810	1124647	---	---	---	1,12	down
5678127	7354896	1756992	---	---	---	1,72	up
5678153	7237814	1467829	---	---	---	1,09	down
5678176	7226277	1437986	---	---	---	1,35	down
5678200	7049689	1008893	---	---	---	2,00	down
5678249	7244287	1484061	---	---	---	1,28	down
5678323	7350530	1746235	---	---	---	2,04	down
5678371	7180166	1325244	---	---	---	1,23	down
5678399	7368004	1789332	---	---	---	1,29	up
5678418	7256070	1512597	---	---	---	1,01	up
5678468	7264653	1534037	---	---	---	1,32	up
5678575	7326245	1686396	---	---	---	1,05	up
5678604	7377791	1816008	---	---	---	1,06	down
5678631	7052338	1014663	---	---	---	2,47	down
5678662	7053874	1018328	---	---	---	1,11	up
5678826	7142081	1230986	---	---	---	1,33	down
5678837	7197056	1367840	---	---	---	1,06	down
5678848	7030519	961691	---	---	---	1,31	down
5678916	7337224	1712629	---	---	---	1,58	down
5678952	7349817	1744645	---	---	---	1,15	down
5678987	7280743	1574534	---	---	---	2,33	up
5679062	7364346	1780013	---	---	---	1,09	up
5679249	7091439	1106625	---	---	---	1,34	down
5679323	7150047	1250768	---	---	---	1,35	down
5679358	7252513	1503834	---	---	---	1,93	down
5679388	7049689	1008888	---	---	---	1,04	down
5679433	7378997	1818662	---	---	---	1,07	up
5679459	7374324	1807520	---	---	---	1,02	up
5679534	7353287	1753029	---	---	---	1,06	down
5679753	7317708	1666842	---	---	---	1,00	up
5679795	7089080	1101141	---	---	---	1,17	down
5679809	7132125	1206635	---	---	---	1,01	down
5679856	7286807	1588844	---	---	---	2,33	up
5679921	7338101	1715192	---	---	---	1,05	down
5679959	7240569	1475462	---	---	---	1,34	up
5680012	7169732	1298774	---	---	---	1,61	up
5680120	7258546	1518984	---	---	---	1,14	down
5680303	7337224	1712607	---	---	---	1,06	up
5680368	7071714	1060351	---	---	---	1,29	down
5680385	7374790	1808778	---	---	---	1,30	up
5680674	7207069	1392020	---	---	---	1,47	down
5680693	7033504	969858	---	---	---	1,29	up
5680704	7068942	1053376	---	---	---	1,25	up
5680724	7330396	1696344	---	---	---	2,12	up
5680783	7380878	1822560	---	---	---	1,15	down
5680796	7374090	1806802	---	---	---	1,57	up
5680818	7093835	1112225	---	---	---	1,80	down
5680844	7032558	967064	---	---	---	1,13	down
5680845	7321414	1675633	---	---	---	1,46	down
5681003	7370910	1798539	---	---	---	1,01	down
5681054	7239752	1473189	---	---	---	1,22	up

5681059	7066035	1046210	---	---	---	1,13	down
5681214	7196331	1366390	---	---	---	1,24	down
5681294	7255911	1512216	---	---	---	1,34	down
5681303	7131766	1205865	---	---	---	1,17	up
5681330	7091962	1107749	---	---	---	1,50	down
5681366	7191866	1354896	---	---	---	1,47	down
5681403	7350237	1745495	---	---	---	1,19	down
5681426	7142081	1230985	---	---	---	1,38	up
5681451	7303191	1629962	---	---	---	1,13	down
5681463	7118356	1173172	---	---	---	1,17	down
5681490	7182739	1332588	---	---	---	1,22	down
5681517	7252877	1504693	---	---	---	1,42	down
5681528	7079326	1077973	---	---	---	1,34	down
5681613	7237438	1466792	---	---	---	1,43	down
5681618	7169599	1298443	---	---	---	1,20	down
5681672	7374493	1807961	---	---	---	1,03	down
5681714	7337872	1714429	---	---	---	1,02	down
5681716	7252877	1504695	---	---	---	1,03	down
5681768	7309734	1646939	---	---	---	1,35	up
5681840	7112355	1158066	---	---	---	1,01	up
5681841	7158517	1271595	---	---	---	1,35	down
5681885	7240569	1475524	---	---	---	1,05	down
5681963	7056304	1023548	---	---	---	1,62	up
5681987	7340990	1722516	---	---	---	1,18	up
5682084	7312566	1653299	---	---	---	1,51	down
5682163	7080476	1080413	---	---	---	1,24	up
5682220	7098867	1124947	---	---	---	1,16	down
5682260	7239939	1473794	---	---	---	1,06	down
5682317	7336931	1711874	---	---	---	1,22	up
5682355	7243894	1482966	---	---	---	1,26	up
5682356	7263222	1530539	---	---	---	1,18	down
5682400	7061003	1033923	---	---	---	2,13	down
5682497	7060896	1033560	---	---	---	1,32	up
5682529	7073854	1065631	---	---	---	1,03	down
5682567	7122140	1182698	---	---	---	1,11	up
5682622	7079326	1077973	---	---	---	1,24	up
5682628	7100523	1128858	---	---	---	1,12	up
5682768	7093296	1110906	---	---	---	1,04	up
5682783	7211363	1402037	---	---	---	1,22	up
5682831	7231775	1452123	---	---	---	1,04	up
5682884	7156978	1268180	---	---	---	1,10	up
5682885	7137646	1220430	---	---	---	1,47	down
5683016	7067518	1049955	---	---	---	1,76	down
5683082	7282927	1579999	---	---	---	1,03	down
5683240	7243253	1481232	---	---	---	1,16	up
5683269	7374324	1807517	---	---	---	1,04	down
5683325	7261580	1526795	---	---	---	1,05	down
5683543	7355138	1757705	---	---	---	1,13	up
5683597	7252339	1503272	---	---	---	2,04	down
5683686	7261768	1527178	---	---	---	1,03	down
5683695	7367969	1789104	---	---	---	2,05	down
5683752	7171417	1303154	---	---	---	1,18	up
5683808	7236492	1464531	---	---	---	2,52	up
5683810	7033541	969985	---	---	---	1,38	up
5683904	7039308	983921	---	---	---	1,03	down
5683922	7383102	1827404	---	---	---	1,35	up
5683951	7199341	1374164	---	---	---	1,12	up

5683996	7125494	1190398	---	---	---	2,28	down
5684010	7175946	1314647	---	---	---	1,07	down
5684159	7365183	1781911	---	---	---	1,36	up
5684204	7170764	1301490	---	---	---	1,25	down
5684264	7371228	1799473	---	---	---	1,36	up
5684356	7367946	1788963	---	---	---	1,05	down
5684402	7248790	1494534	---	---	---	1,33	up
5684410	7088489	1099525	---	---	---	1,65	down
5684426	7198210	1370956	---	---	---	1,00	up
5684438	7210822	1400973	---	---	---	2,14	up
5684467	7115963	1167080	---	---	---	1,03	up
5684518	7200545	1376910	---	---	---	3,32	up
5684555	7194400	1361780	---	---	---	1,26	up
5684632	7027350	954943	---	---	---	1,15	up
5684771	7207093	1392102	---	---	---	1,29	down
5684818	7167823	1293895	---	---	---	1,09	up
5684827	7258455	1518705	---	---	---	1,11	down
5684864	7041609	989563	---	---	---	1,12	up
5684986	7156047	1265726	---	---	---	1,08	down
5684995	7031618	964198	---	---	---	1,42	up
5685017	7217434	1416457	---	---	---	1,26	down
5685053	7306330	1638514	---	---	---	2,02	up
5685160	7140365	1226802	---	---	---	1,32	up
5685230	7067212	1049200	---	---	---	1,56	down
5685428	7361881	1773933	---	---	---	1,24	up
5685443	7117526	1171003	---	---	---	2,04	up
5685458	7212587	1404639	---	---	---	1,12	up
5685566	7031774	964761	---	---	---	1,33	down
5685578	7181001	1327630	---	---	---	1,01	down
5685686	7194400	1361777	---	---	---	1,35	down
5685687	7359361	1768262	---	---	---	1,41	up
5685704	7140113	1226047	---	---	---	1,54	down
5685719	7084176	1089013	---	---	---	1,41	down
5685729	7062436	1037668	---	---	---	1,09	up
5685746	7093255	1110762	---	---	---	1,03	down
5685762	7217747	1417469	---	---	---	1,01	down
5685831	7297274	1614569	---	---	---	1,31	down
5685940	7169367	1298066	---	---	---	1,01	down
5686005	7247512	1491200	---	---	---	2,05	down
5686084	7118503	1173569	---	---	---	1,27	down
5686187	7049184	1007931	---	---	---	2,43	up
5686213	7127540	1195285	---	---	---	1,30	down
5686223	7360486	1770943	---	---	---	1,15	up
5686282	7253215	1505369	---	---	---	1,78	up
5686306	7162144	1280492	---	---	---	1,18	up
5686384	7292517	1602553	---	---	---	1,22	down
5686475	7039265	983649	---	---	---	1,61	up
5686511	7148741	1247866	---	---	---	1,28	down
5686574	7302860	1629007	---	---	---	1,60	up
5686593	7244287	1484091	---	---	---	2,33	up
5686605	7240569	1475482	---	---	---	2,25	down
5686674	7339379	1718361	---	---	---	1,60	down
5686873	7031774	964781	---	---	---	1,15	down
5686985	7240569	1475313	---	---	---	1,02	down
5687078	7261592	1526839	---	---	---	1,09	down
5687188	7227474	1441136	---	---	---	1,27	up
5687223	7339452	1718594	---	---	---	1,06	down

5687311	7140365	1226779	---	---	---	1,27	down
5687317	7285530	1585970	---	---	---	1,25	up
5687338	7127540	1195290	---	---	---	1,18	up
5687392	7330396	1696365	---	---	---	1,63	down
5687424	7068995	1053628	---	---	---	1,03	down
5687531	7298101	1617094	---	---	---	1,02	up
5687574	7025310	949271	---	---	---	1,17	up
5687635	7067670	1050364	---	---	---	1,39	up
5687748	7095041	1115183	---	---	---	1,17	down
5687751	7092549	1109148	---	---	---	1,01	up
5687932	7074911	1068172	---	---	---	1,06	up
5688065	7280743	1574494	---	---	---	1,05	down
5688380	7237346	1466580	---	---	---	2,09	down
5688423	7096924	1119616	---	---	---	1,28	up
5688503	7367980	1789167	---	---	---	1,02	down
5688572	7281924	1577753	---	---	---	1,10	down
5688738	7326271	1686467	---	---	---	1,12	down
5688767	7292517	1602527	---	---	---	1,04	down
5688910	7052385	1014773	---	---	---	1,07	up
5689023	7076160	1070930	---	---	---	1,11	down
5689062	7207093	1392116	---	---	---	1,02	down
5689129	7340673	1721702	---	---	---	1,08	up
5689272	7052813	1015906	---	---	---	1,06	up
5689417	7355044	1757453	---	---	---	1,96	down
5689479	7034293	971951	---	---	---	1,02	down
5689530	7127540	1195296	---	---	---	1,05	down
5689638	7040674	987028	---	---	---	1,39	up
5689854	7123421	1185811	---	---	---	1,04	down
5689867	7186464	1341370	---	---	---	1,07	up
5690106	7171091	1302467	---	---	---	1,18	up
5690159	7108434	1148304	---	---	---	1,88	up
5690255	7093752	1112009	---	---	---	1,04	up
5690461	7132125	1206625	---	---	---	1,07	down
5690466	7180598	1326330	---	---	---	1,26	up
5690517	7067670	1050365	---	---	---	1,21	down
5690553	7070461	1057366	---	---	---	3,53	down
5690615	7123421	1185845	---	---	---	1,04	up
5690656	7149934	1250521	---	---	---	1,03	down
5690755	7049308	1008112	---	---	---	1,57	down
5690911	7148978	1248473	---	---	---	1,42	up
5690937	7257976	1517711	---	---	---	1,01	down
5690962	7381330	1823630	---	---	---	1,03	up
5691056	7217747	1417491	---	---	---	1,03	up
5691070	7292701	1602969	---	---	---	1,08	down
5691121	7366749	1785480	---	---	---	1,18	up
5691207	7376566	1812884	---	---	---	1,03	down
5691268	7165825	1288449	---	---	---	1,29	down
5691301	7073609	1064851	---	---	---	1,33	up
5691322	7274780	1559185	---	---	---	1,18	down
5691330	7240569	1475394	---	---	---	1,91	up
5691422	7244287	1484078	---	---	---	2,18	down
5691431	7122140	1182712	---	---	---	1,35	up
5691435	7360486	1770977	---	---	---	1,05	down
5691437	7295652	1610316	---	---	---	1,08	up
5691438	7237346	1466590	---	---	---	1,74	down
5691450	7227474	1441151	---	---	---	1,49	up
5691460	7168521	1295888	---	---	---	1,39	up

5691469	7096924	1119625	---	---	---	1,92	down
5691486	7288095	1592050	---	---	---	1,32	down
5691511	7341038	1722683	---	---	---	1,57	down
5691533	7232069	1452953	---	---	---	1,03	down
5691625	7374317	1807407	---	---	---	1,14	up
5691802	7361881	1773948	---	---	---	1,08	up
5691867	7133484	1209951	---	---	---	1,50	up
5691922	7142416	1231800	---	---	---	1,79	up
5691947	7102510	1133876	---	---	---	1,06	down
5692040	7293234	1604335	---	---	---	1,33	down
5692115	7213908	1407652	---	---	---	1,17	down
5692184	7219729	1422390	---	---	---	1,11	up
5692307	7346898	1737337	---	---	---	1,49	up
5692312	7186464	1341365	---	---	---	1,50	up
5692376	7303777	1631907	---	---	---	1,42	up
5692462	7227775	1441841	---	---	---	1,16	down
5692516	7248790	1494509	---	---	---	1,23	down
5692544	7139708	1225055	---	---	---	1,32	up
5692661	7128704	1198021	---	---	---	1,29	down
5692832	7120671	1178998	---	---	---	1,04	up
5692836	7243647	1482470	---	---	---	1,02	up
5692854	7149008	1248599	---	---	---	1,34	down
5692881	7088135	1098419	---	---	---	1,30	up
5692885	7101258	1130577	---	---	---	1,47	up
5692914	7195680	1364903	---	---	---	1,04	up
5692920	7330396	1696336	---	---	---	1,05	down
5692925	7281577	1576873	---	---	---	1,22	down
5693128	7259925	1522536	---	---	---	1,80	down
5693132	7317708	1666840	---	---	---	1,09	down
5693323	7337522	1713620	---	---	---	1,13	down
5693438	7350489	1746116	---	---	---	1,34	down
5693468	7142416	1231800	---	---	---	1,32	up
5693489	7025310	949236	---	---	---	1,10	down
5693490	7257893	1517459	---	---	---	1,60	up
5693505	7168979	1297199	---	---	---	1,34	down
5693553	7237672	1467307	---	---	---	1,15	up
5693579	7331757	1700024	---	---	---	2,12	down
5693751	7372840	1803770	---	---	---	1,02	down
5693923	7034293	971996	---	---	---	1,18	down
5693951	7289382	1595183	---	---	---	1,16	up
5694065	7363147	1777017	---	---	---	1,31	up
5694133	7255687	1511771	---	---	---	1,03	down
5694350	7059020	1029340	---	---	---	1,06	down
5694374	7346687	1736690	---	---	---	1,19	up
5694431	7062233	1037197	---	---	---	1,19	up
5694436	7031774	964706	---	---	---	1,53	up
5694516	7313841	1656733	---	---	---	1,08	down
5694577	7146093	1240932	---	---	---	1,25	up
5694735	7057462	1025859	---	---	---	1,08	down
5694745	7216807	1414701	---	---	---	1,17	down
5694876	7082098	1084117	---	---	---	1,35	down
5694935	7244290	1484159	---	---	---	1,08	up
5694961	7166867	1291310	---	---	---	1,17	down
5695042	7069721	1055298	---	---	---	1,02	down
5695093	7302327	1627679	---	---	---	1,00	down
5695102	7378997	1818666	---	---	---	1,36	down
5695133	7148978	1248533	---	---	---	1,56	down

5695184	7353224	1752674	---	---	---	1,13	down
5695303	7227433	1440980	---	---	---	1,17	up
5695305	7188829	1346661	---	---	---	1,03	down
5695349	7228530	1443791	---	---	---	1,16	up
5695358	7178644	1321612	---	---	---	2,33	up
5695391	7329135	1693495	---	---	---	1,52	up
5695417	7279568	1572021	---	---	---	1,01	up
5695699	7059449	1030305	---	---	---	1,46	up
5695700	7088544	1099661	---	---	---	1,23	down
5695763	7249388	1495899	---	---	---	1,08	down
5695775	7231484	1451360	---	---	---	1,13	down
5695954	7190844	1352153	---	---	---	1,22	up
5696072	7100523	1128917	---	---	---	1,09	down
5696105	7128539	1197669	---	---	---	1,28	down
5696115	7257893	1517481	---	---	---	1,00	down
5696140	7086672	1094348	---	---	---	1,28	up
5696157	7337425	1713164	---	---	---	1,14	down
5696200	7272299	1553558	---	---	---	2,01	up
5696245	7217434	1416453	---	---	---	1,56	down
5696278	7217650	1417189	---	---	---	1,48	down
5696298	7374324	1807489	---	---	---	1,10	down
5696319	7217434	1416434	---	---	---	1,31	down
5696357	7146425	1241891	---	---	---	1,45	up
5696359	7040674	987067	---	---	---	1,91	up
5696472	7319773	1671860	---	---	---	1,13	down
5696551	7330731	1697172	---	---	---	1,04	down
5696554	7239752	1473183	---	---	---	1,34	up
5696594	7248790	1494543	---	---	---	1,22	down
5696776	7243726	1482683	---	---	---	2,23	down
5696819	7127540	1195289	---	---	---	1,03	down
5696870	7070668	1057929	---	---	---	1,02	up
5697072	7088489	1099528	---	---	---	1,01	down
5697157	7337425	1713139	---	---	---	1,12	down
5697205	7084193	1089067	---	---	---	1,52	up
5697220	7212718	1404941	---	---	---	1,00	down
5697242	7221168	1425623	---	---	---	1,08	down
5697365	7063716	1040161	---	---	---	1,09	up
5697367	7053874	1018336	---	---	---	1,19	up
5697418	7366749	1785477	---	---	---	1,06	down
5697483	7081487	1082706	---	---	---	1,06	up
5697611	7366749	1785479	---	---	---	3,26	down
5697671	7341546	1723950	---	---	---	1,34	down
5697700	7225291	1435293	---	---	---	1,03	up
5697731	7218728	1419923	---	---	---	1,06	up
5697768	7292657	1602839	---	---	---	1,10	down
5697813	7146245	1241377	---	---	---	1,08	up
5697840	7062233	1037184	---	---	---	1,02	up
5698017	7233921	1458159	---	---	---	2,13	down
5698088	7237346	1466593	---	---	---	1,08	down
5698117	7252283	1503114	---	---	---	1,13	down
5698164	7091962	1107746	---	---	---	2,24	down
5698190	7076099	1070650	---	---	---	1,64	down
5698313	7083030	1086257	---	---	---	1,85	down
5698359	7344406	1731192	---	---	---	1,19	up
5698410	7141061	1228649	---	---	---	1,19	up
5698433	7371001	1798838	---	---	---	1,12	down
5698458	7117813	1171721	---	---	---	1,06	up

5698604	7344836	1732409	---	---	---	1,13	up
5698691	7191594	1354232	---	---	---	2,11	up
5698821	7084500	1089710	---	---	---	1,10	down
5698855	7341115	1722914	---	---	---	1,34	down
5698863	7115507	1165970	---	---	---	1,29	up
5698881	7078982	1077311	---	---	---	3,01	up
5698888	7038659	982167	---	---	---	1,48	up
5698957	7307733	1642051	---	---	---	2,01	up
5698959	7083030	1086251	---	---	---	1,56	down
5699094	7252339	1503293	---	---	---	2,10	up
5699101	7239752	1473185	---	---	---	1,04	down
5699151	7120039	1177489	---	---	---	1,37	up
5699176	7148741	1247830	---	---	---	1,40	up
5699185	7041140	988278	---	---	---	1,79	down
5699268	7292657	1602839	---	---	---	1,38	down
5699322	7381330	1823623	---	---	---	1,08	down
5699405	7202749	1382095	---	---	---	1,32	up
5699501	7121849	1181809	---	---	---	1,15	up
5699522	7115507	1165982	---	---	---	1,03	up
5699527	7305275	1635837	---	---	---	1,38	down
5699570	7343250	1728036	---	---	---	1,14	up
5699801	7321414	1675625	---	---	---	1,53	down
5699810	7031774	964724	---	---	---	1,00	down
5699875	7326271	1686459	---	---	---	1,14	up
5700065	7378997	1818650	---	---	---	1,41	down
5700088	7363529	1777955	---	---	---	1,00	up
5700170	7374324	1807495	---	---	---	1,04	down
5700188	7088164	1098482	---	---	---	1,42	up
5700240	7326612	1687192	---	---	---	1,41	down
5700331	7043379	993619	---	---	---	1,12	down
5700333	7117951	1172081	---	---	---	1,05	up
5700362	7312575	1653352	---	---	---	1,18	up
5700374	7060896	1033591	---	---	---	1,28	up
5700421	7365183	1781904	---	---	---	1,59	down
5700425	7121849	1181807	---	---	---	1,23	up
5700434	7180804	1327015	---	---	---	1,20	down
5700486	7373678	1805858	---	---	---	1,13	up
5700524	7196331	1366387	---	---	---	1,04	down
5700767	7350993	1747504	---	---	---	1,10	up
5700784	7075445	1069341	---	---	---	1,07	down
5700920	7144389	1236778	---	---	---	2,18	down
5701043	7139026	1223498	---	---	---	1,03	down
5701048	7371001	1798863	---	---	---	1,33	down
5701066	7281924	1577703	---	---	---	1,19	up
5701188	7274593	1558817	---	---	---	1,19	up
5701267	7181105	1327967	---	---	---	1,49	down
5701305	7030037	960707	---	---	---	1,42	up
5701335	7279499	1571829	---	---	---	2,12	down
5701385	7320735	1674152	---	---	---	1,07	up
5701502	7238202	1468956	---	---	---	1,85	down
5701603	7299650	1620963	---	---	---	1,10	down
5701659	7080563	1080722	---	---	---	1,11	down
5701687	7377116	1814071	---	---	---	1,28	up
5701701	7132024	1206342	---	---	---	1,02	down
5701801	7038530	981873	---	---	---	1,01	down
5701810	7309734	1646884	---	---	---	1,10	up
5701818	7252339	1503301	---	---	---	1,13	up

5701897	7231152	1450262	---	---	---	2,42	up
5701904	7098810	1124645	---	---	---	1,09	down
5701952	7371682	1800775	---	---	---	1,15	down
5702066	7132024	1206337	---	---	---	1,16	up
5702147	7349817	1744599	---	---	---	1,23	up
5702345	7126400	1192529	---	---	---	1,34	down
5702457	7052331	1014567	---	---	---	1,06	up
5702529	7353232	1752853	---	---	---	1,36	up
5702532	7131372	1205040	---	---	---	1,01	up
5702547	7240569	1475323	---	---	---	1,07	down
5702579	7190524	1351184	---	---	---	1,07	down
5702709	7274780	1559226	---	---	---	1,12	up
5702750	7275927	1562389	---	---	---	1,42	down
5702856	7345465	1733819	---	---	---	1,27	down
5702872	7255911	1512222	---	---	---	1,10	up
5703017	7360325	1770516	---	---	---	1,13	down
5703056	7156052	1265754	---	---	---	1,12	down
5703067	7033616	970211	---	---	---	1,57	down
5703120	7263652	1531626	---	---	---	1,38	up
5703240	7307473	1641281	---	---	---	1,32	up
5703243	7375673	1810746	---	---	---	1,25	down
5703297	7353284	1752984	---	---	---	1,11	down
5703310	7087965	1098050	---	---	---	1,06	up
5703313	7374324	1807533	---	---	---	1,03	up
5703380	7148741	1247878	---	---	---	1,09	up
5703395	7068259	1051631	---	---	---	1,33	down
5703472	7305275	1635828	---	---	---	1,20	down
5703518	7369954	1795675	---	---	---	1,30	down
5703534	7314620	1658526	---	---	---	1,24	up
5703626	7340990	1722505	---	---	---	1,23	up
5703638	7088544	1099689	---	---	---	1,08	down
5703814	7056025	1022767	---	---	---	1,05	up
5703894	7383823	1828940	---	---	---	1,32	up
5703910	7194540	1362113	---	---	---	1,36	down
5703967	7324760	1683088	---	---	---	1,06	up
5704065	7368986	1792855	---	---	---	3,90	down
5704131	7321029	1674806	---	---	---	1,10	up
5704135	7278794	1570049	---	---	---	1,16	up
5704213	7321414	1675629	---	---	---	1,11	up
5704234	7260488	1523933	---	---	---	1,13	up
5704325	7377304	1814594	---	---	---	1,09	up
5704339	7059449	1030303	---	---	---	1,03	up
5704383	7033504	969848	---	---	---	1,27	up
5704570	7153571	1259033	---	---	---	2,40	up
5704629	7059020	1029332	---	---	---	1,64	down
5704643	7041609	989584	---	---	---	1,02	up
5704749	7369781	1795035	---	---	---	1,23	up
5704820	7335637	1708473	---	---	---	1,61	down
5704866	7357026	1762223	---	---	---	1,01	down
5704888	7370415	1796850	---	---	---	1,84	up
5704898	7236358	1464246	---	---	---	1,04	down
5704908	7179859	1324617	---	---	---	2,29	down
5705081	7306229	1638248	---	---	---	1,02	down
5705158	7186240	1340831	---	---	---	1,13	up
5705340	7117526	1171034	---	---	---	1,22	up
5705367	7088164	1098484	---	---	---	2,53	down
5705578	7093255	1110761	---	---	---	1,19	up

5705654	7297589	1615605	---	---	---	1,15	up
5705663	7331795	1700098	---	---	---	1,32	down
5705738	7196006	1365569	---	---	---	1,36	up
5705926	7309734	1646890	---	---	---	1,09	down
5705938	7068259	1051633	---	---	---	1,25	up
5706120	7261580	1526813	---	---	---	1,31	up
5706143	7210702	1400724	---	---	---	1,09	down
5706169	7345465	1733851	---	---	---	1,74	down
5706273	7076160	1070882	---	---	---	1,38	up
5706319	7231775	1452122	---	---	---	1,01	up
5706374	7351844	1749489	---	---	---	1,29	up
5706519	7196029	1365627	---	---	---	1,45	down
5706576	7061948	1036371	---	---	---	1,17	down
5706592	7170764	1301477	---	---	---	1,23	up
5706623	7292178	1601743	---	---	---	1,30	down
5706758	7257893	1517468	---	---	---	1,10	up
5706773	7217650	1417176	---	---	---	1,84	down
5706780	7383102	1827380	---	---	---	1,11	down
5706813	7373678	1805858	---	---	---	1,14	up
5706839	7181026	1327845	---	---	---	1,51	down
5706918	7188458	1345724	---	---	---	1,96	up
5706945	7127540	1195291	---	---	---	1,51	up
5706963	7078666	1076505	---	---	---	1,10	up
5706965	7171091	1302449	---	---	---	1,53	down
5707033	7374493	1807957	---	---	---	1,04	up
5707034	7168439	1295686	---	---	---	1,36	up
5707035	7109292	1150747	---	---	---	1,13	down
5707111	7039532	984433	---	---	---	1,67	up
5707126	7175946	1314641	---	---	---	1,16	up
5707221	7252877	1504778	---	---	---	1,66	up
5707247	7282927	1579978	---	---	---	1,07	down
5707274	7267362	1540328	---	---	---	1,46	down
5707275	7378878	1818321	---	---	---	1,02	up
5707286	7162144	1280511	---	---	---	1,12	up
5707305	7092549	1109132	---	---	---	1,01	up
5707423	7381330	1823621	---	---	---	1,30	up
5707462	7143455	1234723	---	---	---	1,06	up
5707516	7274780	1559221	---	---	---	1,34	down
5707565	7344702	1732141	---	---	---	1,05	down
5707741	7246518	1489046	---	---	---	1,31	down
5707810	7052331	1014567	---	---	---	1,77	down
5707853	7240569	1475376	---	---	---	1,03	down
5707925	7073673	1065080	---	---	---	1,02	up
5707975	7120427	1178423	---	---	---	1,06	down
5707987	7309734	1646898	---	---	---	1,53	down
5708031	7338101	1715191	---	---	---	1,16	down
5708084	7345456	1733793	---	---	---	1,06	down
5708276	7050167	1009828	---	---	---	1,00	up
5708284	7153136	1258043	---	---	---	1,11	down
5708375	7033504	969858	---	---	---	1,49	up
5708380	7330181	1695695	---	---	---	1,05	down
5708428	7297274	1614630	---	---	---	1,13	up
5708508	7078605	1076351	---	---	---	1,09	up
5708578	7138580	1222507	---	---	---	1,02	down
5708586	7133484	1209935	---	---	---	1,11	up
5708768	7301296	1624998	---	---	---	1,18	up
5708799	7350993	1747546	---	---	---	1,16	up

5708953	7255522	1511384	---	---	---	1,20	down
5709043	7095041	1115178	---	---	---	1,04	up
5709061	7184151	1335954	---	---	---	1,10	up
5709099	7088135	1098402	---	---	---	1,01	up
5709156	7380878	1822578	---	---	---	1,06	down
5709183	7122140	1182733	---	---	---	1,71	down
5709208	7095041	1115186	---	---	---	1,13	up
5709264	7346885	1737308	---	---	---	1,09	up
5709345	7059020	1029345	---	---	---	1,41	up
5709431	7192307	1356003	---	---	---	2,54	down
5709447	7167823	1293862	---	---	---	2,77	up
5709468	7327169	1688467	---	---	---	1,12	down
5709492	7340673	1721709	---	---	---	1,26	up
5709781	7140365	1226791	---	---	---	1,02	down
5709840	7063515	1039668	---	---	---	1,44	down
5709843	7217650	1417171	---	---	---	1,45	up
5709965	7029078	958875	---	---	---	1,14	up
5709977	7093936	1112475	---	---	---	1,45	down
5710002	7231533	1451508	---	---	---	2,01	up
5710058	7341546	1723943	---	---	---	1,24	up
5710183	7359460	1768471	---	---	---	1,16	up
5710211	7261580	1526793	---	---	---	1,05	down
5710261	7281577	1576882	---	---	---	1,42	up
5710308	7071969	1060894	---	---	---	1,01	down
5710355	7181193	1328292	---	---	---	1,04	up
5710418	7099573	1126738	---	---	---	1,18	down
5710563	7027386	955084	---	---	---	1,04	up
5710585	7121849	1181757	---	---	---	1,17	up
5710639	7278010	1568045	---	---	---	1,31	down
5710915	7196029	1365624	---	---	---	1,20	up
5710932	7280743	1574536	---	---	---	1,06	down
5711008	7179176	1322900	---	---	---	1,07	up
5711070	7073677	1065161	---	---	---	1,66	down
5711234	7339387	1718377	---	---	---	1,14	down
5711238	7062233	1037233	---	---	---	1,28	up
5711259	7139026	1223497	---	---	---	1,15	down
5711282	7052813	1015920	---	---	---	1,20	up
5711311	7117526	1171033	---	---	---	1,08	down
5711318	7231152	1450258	---	---	---	1,23	up
5711376	7156052	1265763	---	---	---	1,27	down
5711391	7102416	1133513	---	---	---	1,17	up
5711404	7267344	1540262	---	---	---	1,28	up
5711492	7064468	1042376	---	---	---	1,15	down
5711507	7319773	1671874	---	---	---	1,33	up
5711517	7217434	1416370	---	---	---	1,11	up
5711611	7353382	1753221	---	---	---	1,01	up
5711646	7146542	1242296	---	---	---	1,12	down
5711818	7213228	1405992	---	---	---	1,01	up
5711867	7319151	1670111	---	---	---	3,93	up
5711876	7194400	1361722	---	---	---	1,26	down
5711891	7239303	1471998	---	---	---	1,18	up
5711945	7162959	1282085	---	---	---	1,14	up
5712033	7200545	1376913	---	---	---	1,47	up
5712104	7062436	1037670	---	---	---	1,13	down
5712299	7239303	1471941	---	---	---	1,15	up
5712435	7291853	1600989	---	---	---	1,69	down
5712443	7217143	1415616	---	---	---	1,82	down

5712452	7274892	1559570	---	---	---	1,15	up
5712562	7156052	1265784	---	---	---	1,51	up
5712597	7179914	1324713	---	---	---	1,21	up
5712698	7083031	1086289	---	---	---	1,05	up
5712802	7360486	1770988	---	---	---	1,04	down
5712822	7211389	1402121	---	---	---	1,23	down
5712857	7131876	1206050	---	---	---	1,46	down
5713135	7258455	1518739	---	---	---	1,02	down
5713174	7293234	1604353	---	---	---	1,19	down
5713184	7148978	1248456	---	---	---	2,27	down
5713200	7247230	1490581	---	---	---	1,46	down
5713225	7205944	1389474	---	---	---	1,01	down
5713318	7031774	964728	---	---	---	1,30	up
5713377	7241163	1476824	---	---	---	1,73	down
5713399	7088544	1099666	---	---	---	1,42	down
5713417	7142081	1230952	---	---	---	1,10	down
5713424	7096924	1119603	---	---	---	1,09	down
5713427	7033337	969497	---	---	---	1,12	down
5713431	7288077	1591993	---	---	---	1,76	down
5713458	7354935	1757102	---	---	---	1,36	up
5713510	7213908	1407762	---	---	---	1,94	up
5713544	7227433	1440986	---	---	---	1,11	down
5713710	7286807	1588825	---	---	---	1,41	down
5713750	7267344	1540264	---	---	---	1,44	down
5713773	7297589	1615687	---	---	---	1,08	down
5713811	7244290	1484158	---	---	---	1,37	down
5713863	7047524	1004655	---	---	---	1,35	down
5713906	7352152	1750335	---	---	---	2,47	up
5713941	7337224	1712610	---	---	---	1,79	up
5713950	7158517	1271593	---	---	---	1,06	up
5713994	7256191	1512879	---	---	---	1,98	up
5714053	7374324	1807441	---	---	---	1,11	up
5714067	7330731	1697193	---	---	---	1,04	up
5714344	7337845	1714331	---	---	---	1,37	down
5714505	7382499	1826256	---	---	---	1,00	down
5714600	7130917	1203917	---	---	---	1,09	down
5714683	7100523	1128899	---	---	---	1,33	down
5714732	7330396	1696371	---	---	---	1,09	up
5714801	7148978	1248463	---	---	---	1,07	down
5714845	7063873	1040648	---	---	---	2,17	down
5714876	7089952	1103320	---	---	---	1,93	up
5714897	7306229	1638245	---	---	---	1,20	down
5714916	7207093	1392113	---	---	---	1,93	down
5714944	7053874	1018312	---	---	---	1,81	up
5715056	7210263	1399767	---	---	---	1,20	down
5715070	7261668	1526982	---	---	---	2,08	down
5715082	7337425	1713177	---	---	---	1,31	up
5715089	7282831	1579774	---	---	---	1,60	down
5715110	7069603	1055049	---	---	---	1,26	up
5715202	7056025	1022800	---	---	---	1,03	up
5715386	7053874	1018313	---	---	---	1,14	up
5715501	7254040	1507594	---	---	---	1,19	up
5715521	7261592	1526856	---	---	---	2,46	up
5715630	7278010	1568037	---	---	---	1,01	down
5715679	7030037	960717	---	---	---	1,14	down
5715735	7380497	1821865	---	---	---	1,07	up
5715800	7052813	1015918	---	---	---	1,39	down

5715820	7127540	1195284	---	---	---	1,36	down
5715926	7239939	1473794	---	---	---	1,11	down
5715990	7339379	1718340	---	---	---	1,26	up
5716094	7091439	1106622	---	---	---	1,43	up
5716115	7368986	1792880	---	---	---	1,73	down
5716234	7318651	1669091	---	---	---	1,38	up
5716264	7113483	1161006	---	---	---	1,00	down
5716346	7217434	1416452	---	---	---	2,45	down
5716409	7326271	1686482	---	---	---	1,13	down
5716453	7356027	1759977	---	---	---	1,38	up
5716506	7056736	1024422	---	---	---	1,82	up
5716618	7280743	1574486	---	---	---	2,13	up
5716641	7176275	1315334	---	---	---	1,06	down
5716688	7363529	1777911	---	---	---	1,28	down
5716698	7196029	1365616	---	---	---	1,02	up
5716700	7123129	1185073	---	---	---	1,42	up
5716701	7252877	1504692	---	---	---	1,11	down
5716733	7261580	1526809	---	---	---	1,37	down
5716821	7281877	1577533	---	---	---	1,32	up
5716841	7240569	1475448	---	---	---	1,05	down
5716871	7198210	1371009	---	---	---	1,48	down
5716888	7341546	1723973	---	---	---	1,08	down
5716910	7331757	1700027	---	---	---	1,47	up
5717002	7091900	1107637	---	---	---	1,38	up
5717081	7067828	1050798	---	---	---	1,03	up
5717170	7096461	1118271	---	---	---	1,08	up
5717237	7346687	1736696	---	---	---	1,16	down
5717283	7047524	1004666	---	---	---	1,35	up
5717413	7260066	1522890	---	---	---	1,02	up
5717476	7301843	1626486	---	---	---	1,15	up
5717491	7230886	1449527	---	---	---	1,00	up
5717523	7112566	1158635	---	---	---	1,09	up
5717614	7053874	1018318	---	---	---	1,02	up
5717701	7236492	1464559	---	---	---	1,53	down
5717725	7050716	1011224	---	---	---	1,53	down
5717765	7071264	1059296	---	---	---	1,31	up
5717800	7358048	1764817	---	---	---	1,39	up
5718007	7032558	967058	---	---	---	1,35	up
5718133	7341274	1723397	---	---	---	1,23	down
5718204	7059020	1029331	---	---	---	1,55	down
5718272	7105780	1141701	---	---	---	1,03	up
5718296	7108974	1149795	---	---	---	1,06	down
5718310	7148978	1248450	---	---	---	1,80	down
5718467	7302787	1628899	---	---	---	1,17	down
5718503	7230886	1449578	---	---	---	1,10	up
5718556	7309734	1646916	---	---	---	1,09	up
5718565	7290474	1597970	---	---	---	2,13	down
5718571	7044988	998456	---	---	---	1,57	up
5718619	7189669	1348982	---	---	---	1,24	down
5718622	7040442	986471	---	---	---	1,64	up
5718652	7337425	1713154	---	---	---	1,06	up
5718727	7197400	1368813	---	---	---	1,07	up
5718749	7055793	1022320	---	---	---	3,11	up
5718767	7328833	1692773	---	---	---	1,07	down
5718798	7341038	1722688	---	---	---	1,05	down
5718802	7140365	1226793	---	---	---	1,25	up
5718893	7376073	1811689	---	---	---	1,23	up

5719053	7377583	1815460	---	---	---	1,01	down
5719059	7149934	1250519	---	---	---	1,22	up
5719133	7145604	1239843	---	---	---	1,27	down
5719185	7105066	1140367	---	---	---	1,02	down
5719196	7227433	1440970	---	---	---	1,05	up
5719247	7071741	1060440	---	---	---	1,26	down
5719391	7202749	1382060	---	---	---	1,84	down
5719468	7156052	1265784	---	---	---	1,06	down
5719503	7056304	1023602	---	---	---	1,25	down
5719533	7332059	1700733	---	---	---	1,56	up
5719570	7105449	1141123	---	---	---	2,62	down
5719625	7059506	1030393	---	---	---	1,38	up
5719650	7180732	1326726	---	---	---	1,29	up
5719674	7337425	1713159	---	---	---	1,18	down
5719742	7384509	1830731	---	---	---	1,58	up
5719743	7292701	1602955	---	---	---	1,44	down
5719780	7231557	1451558	---	---	---	1,05	down
5719892	7067518	1049956	---	---	---	1,05	up
5720132	7252283	1503115	---	---	---	1,98	down
5720327	7146872	1242907	---	---	---	1,12	down
5720414	7200545	1376915	---	---	---	1,70	up
5720447	7142081	1230972	---	---	---	1,03	down
5720516	7280982	1575204	---	---	---	1,10	up
5720527	7205750	1388930	---	---	---	1,03	up
5720723	7165644	1288009	---	---	---	1,13	down
5720747	7098810	1124652	---	---	---	1,32	down
5720776	7274892	1559558	---	---	---	1,15	down
5720801	7156978	1268174	---	---	---	1,01	up
5720850	7237814	1467814	---	---	---	1,29	down
5720888	7056106	1022980	---	---	---	1,02	up
5720985	7095021	1115123	---	---	---	1,37	down
5721081	7329802	1694916	---	---	---	1,26	down
5721128	7162177	1280576	---	---	---	1,24	down
5721152	7074911	1068178	---	---	---	1,03	up
5721182	7101094	1130228	---	---	---	1,32	down
5721234	7213908	1407659	---	---	---	1,05	up
5721277	7238414	1469584	---	---	---	1,29	up
5721317	7363568	1778131	---	---	---	1,84	down
5721539	7060896	1033553	---	---	---	1,02	up
5721588	7273251	1555948	---	---	---	1,37	up
5721604	7073854	1065634	---	---	---	2,62	down
5721653	7243647	1482453	---	---	---	1,16	up
5721702	7181193	1328293	---	---	---	1,88	down
5721853	7240569	1475387	---	---	---	1,08	down
5722079	7341646	1724197	---	---	---	1,01	down
5722172	7062233	1037247	---	---	---	1,01	up
5722175	7321414	1675627	---	---	---	1,75	up
5722192	7353232	1752748	---	---	---	1,19	up
5722224	7082098	1084115	---	---	---	1,01	up
5722225	7113483	1161016	---	---	---	1,09	up
5722254	7363529	1777932	---	---	---	1,00	up
5722273	7373678	1805873	---	---	---	1,13	down
5722305	7120671	1179003	---	---	---	1,20	down
5722375	7363529	1777955	---	---	---	1,03	down
5722408	7309734	1646876	---	---	---	1,01	up
5722451	7139708	1225061	---	---	---	1,03	up
5722474	7321414	1675632	---	---	---	1,01	up

5722484	7039589	984514	---	---	---	1,08	down
5722517	7175946	1314648	---	---	---	1,12	down
5722519	7238202	1468953	---	---	---	1,21	down
5722520	7093936	1112462	---	---	---	2,06	down
5722541	7147720	1245236	---	---	---	1,61	down
5722556	7193403	1359201	---	---	---	1,31	up
5722693	7097536	1121129	---	---	---	1,56	down
5722840	7150348	1251434	---	---	---	1,20	down
5722935	7093835	1112220	---	---	---	1,70	down
5723108	7230628	1448865	---	---	---	1,06	up
5723133	7029770	960158	---	---	---	1,37	up
5723144	7032204	966120	---	---	---	1,90	up
5723185	7350237	1745480	---	---	---	1,06	up
5723309	7273744	1556975	---	---	---	1,12	down
5723342	7085063	1090803	---	---	---	1,24	down
5723405	7115362	1165598	---	---	---	1,06	up
5723542	7329135	1693495	---	---	---	2,14	down
5723600	7292869	1603397	---	---	---	1,87	up
5723636	7257893	1517459	---	---	---	1,84	down
5723720	7096461	1118265	---	---	---	1,32	up
5723731	7340506	1721336	---	---	---	1,52	up
5723745	7240569	1475494	---	---	---	1,08	down
5723954	7188829	1346668	---	---	---	1,47	down
5724054	7203018	1382649	---	---	---	1,32	up
5724087	7093936	1112465	---	---	---	1,57	down
5724108	7069830	1055633	---	---	---	1,13	down
5724121	7148741	1247828	---	---	---	1,01	down
5724144	7092406	1108781	---	---	---	1,60	down
5724234	7297274	1614642	---	---	---	1,11	down
5724392	7079238	1077810	---	---	---	1,35	up
5724395	7195680	1364877	---	---	---	1,65	down
5724408	7370508	1797230	---	---	---	2,32	up
5724450	7093835	1112220	---	---	---	1,72	up
5724559	7238202	1468940	---	---	---	1,03	down
5724565	7031774	964707	---	---	---	1,34	up
5724570	7175946	1314643	---	---	---	1,17	up
5724614	7373633	1805696	---	---	---	1,10	down
5724652	7233513	1457167	---	---	---	1,65	down
5724664	7308262	1643195	---	---	---	1,01	up
5724749	7277719	1567093	---	---	---	1,11	down
5724776	7183927	1335497	---	---	---	1,35	down
5724808	7088544	1099659	---	---	---	1,63	down
5724889	7284901	1584800	---	---	---	1,13	down
5725012	7318286	1668335	---	---	---	1,05	up
5725092	7088625	1099875	---	---	---	1,33	up
5725100	7257038	1515290	---	---	---	1,51	up
5725203	7073673	1065088	---	---	---	1,14	down
5725244	7243647	1482476	---	---	---	1,75	up
5725345	7384509	1830741	---	---	---	1,39	down
5725356	7167325	1292547	---	---	---	1,06	up
5725393	7261668	1526983	---	---	---	1,03	down
5725467	7361881	1773951	---	---	---	1,28	down
5725496	7064134	1041445	---	---	---	1,12	down
5725508	7108434	1148311	---	---	---	1,58	down
5725671	7368004	1789335	---	---	---	2,68	down
5725685	7336931	1711853	---	---	---	1,21	up
5725698	7055793	1022316	---	---	---	1,24	up

5725811	7239303	1471952	---	---	---	1,11	up
5725827	7380497	1821867	---	---	---	1,00	up
5725878	7068259	1051614	---	---	---	2,10	down
5725950	7148978	1248510	---	---	---	1,04	up
5725975	7375958	1811479	---	---	---	1,82	up
5726007	7168519	1295878	---	---	---	1,44	down
5726094	7108556	1148720	---	---	---	1,10	up
5726229	7058507	1028309	---	---	---	1,02	up
5726230	7148978	1248484	---	---	---	1,25	up
5726261	7364346	1780012	---	---	---	1,08	down
5726422	7231484	1451398	---	---	---	1,04	down
5726438	7369712	1794830	---	---	---	1,24	up
5726549	7281924	1577709	---	---	---	1,08	down
5726607	7095041	1115173	---	---	---	1,01	down
5726611	7279793	1572538	---	---	---	2,40	down
5726629	7363674	1778450	---	---	---	2,00	down
5726721	7195680	1364883	---	---	---	1,56	down
5726724	7028624	957992	---	---	---	1,03	down
5726789	7105814	1141774	---	---	---	1,29	up
5726805	7238826	1470532	---	---	---	1,89	down
5726926	7272616	1554388	---	---	---	1,02	down
5726975	7059449	1030305	---	---	---	1,02	up
5726977	7297589	1615687	---	---	---	1,03	up
5726985	7110401	1153090	---	---	---	1,30	up
5727022	7212587	1404632	---	---	---	1,45	up
5727152	7109292	1150751	---	---	---	1,21	down
5727233	7075460	1069401	---	---	---	1,33	down
5727250	7059971	1031464	---	---	---	1,18	down
5727332	7140365	1226788	---	---	---	1,12	up
5727334	7274780	1559225	---	---	---	1,55	up
5727420	7095021	1115133	---	---	---	1,13	down
5727436	7182739	1332581	---	---	---	1,59	up
5727440	7140834	1227938	---	---	---	1,51	up
5727442	7370412	1796840	---	---	---	1,10	up
5727454	7363576	1778195	---	---	---	1,22	down
5727491	7238202	1468954	---	---	---	1,24	up
5727504	7034747	973193	---	---	---	1,63	up
5727558	7311391	1650860	---	---	---	1,73	down
5727634	7131766	1205862	---	---	---	1,26	up
5727648	7039725	984822	---	---	---	1,63	down
5727655	7123714	1186419	---	---	---	1,07	down
5727721	7067670	1050319	---	---	---	1,08	up
5727754	7162144	1280512	---	---	---	1,09	down
5727944	7339379	1718353	---	---	---	1,02	down
5727975	7326271	1686460	---	---	---	1,00	down
5728034	7132125	1206634	---	---	---	1,14	down
5728082	7231533	1451502	---	---	---	1,56	up
5728127	7330731	1697186	---	---	---	1,25	up
5728271	7367990	1789220	---	---	---	1,08	down
5728355	7314620	1658494	---	---	---	1,40	up
5728448	7196803	1367334	---	---	---	2,38	up
5728468	7313538	1655742	---	---	---	1,03	up
5728499	7028624	958002	---	---	---	1,35	down
5728584	7322260	1677067	---	---	---	1,10	down
5728623	7071741	1060453	---	---	---	1,24	down
5728638	7289879	1596420	---	---	---	1,08	up
5728673	7065094	1044114	---	---	---	1,04	down

5728680	7112355	1158086	---	---	---	1,05	up
5728760	7243901	1483060	---	---	---	1,35	down
5728844	7351568	1748855	---	---	---	1,05	up
5728852	7170764	1301485	---	---	---	1,35	down
5728927	7085063	1090806	---	---	---	1,34	down
5729006	7244287	1484048	---	---	---	1,10	down
5729011	7291909	1601094	---	---	---	2,28	up
5729034	7297589	1615604	---	---	---	1,18	up
5729053	7312532	1653222	---	---	---	1,37	down
5729198	7341002	1722541	---	---	---	1,01	down
5729208	7115362	1165598	---	---	---	1,16	down
5729312	7321029	1674805	---	---	---	1,15	up
5729384	7297589	1615615	---	---	---	1,42	down
5729505	7281924	1577743	---	---	---	1,31	up
5729605	7181001	1327611	---	---	---	1,45	up
5729611	7248790	1494546	---	---	---	1,38	up
5729614	7337522	1713595	---	---	---	2,13	down
5729617	7237672	1467304	---	---	---	1,44	down
5729757	7100523	1128842	---	---	---	1,15	up
5729783	7374493	1807968	---	---	---	1,34	down
5729816	7069830	1055623	---	---	---	1,37	down
5730110	7168979	1297191	---	---	---	1,28	down
5730113	7273251	1555960	---	---	---	1,65	down
5730118	7361223	1772612	---	---	---	1,15	up
5730123	7279103	1570821	---	---	---	1,17	down
5730172	7329135	1693494	---	---	---	1,42	down
5730206	7253088	1505112	---	---	---	1,11	up
5730263	7289075	1594457	---	---	---	1,08	up
5730281	7253088	1505114	---	---	---	1,29	up
5730446	7340673	1721689	---	---	---	1,14	down
5730535	7356619	1761349	---	---	---	1,09	up
5730661	7181001	1327628	---	---	---	2,02	up
5730794	7368489	1791035	---	---	---	1,01	up
5730844	7221443	1426328	---	---	---	1,08	up
5730894	7059020	1029351	---	---	---	1,11	up
5730922	7148741	1247830	---	---	---	1,26	up
5730924	7059766	1030980	---	---	---	1,53	up
5730929	7115362	1165598	---	---	---	1,55	down
5730951	7211363	1402042	---	---	---	1,36	up
5730965	7065640	1045211	---	---	---	1,30	down
5731037	7176409	1315677	---	---	---	1,33	up
5731038	7188138	1345000	---	---	---	1,37	up
5731039	7279568	1572008	---	---	---	1,12	down
5731164	7326612	1687200	---	---	---	1,02	down
5731235	7138349	1221923	---	---	---	1,34	down
5731243	7083030	1086249	---	---	---	1,79	up
5731292	7359426	1768356	---	---	---	2,19	up
5731346	7243628	1482390	---	---	---	1,07	up
5731362	7337425	1713210	---	---	---	1,54	down
5731555	7035525	974782	---	---	---	1,57	down
5731565	7087965	1098058	---	---	---	1,42	down
5731592	7376206	1811982	---	---	---	1,63	up
5731594	7297589	1615666	---	---	---	1,11	down
5731625	7207093	1392098	---	---	---	1,09	down
5731692	7196029	1365622	---	---	---	1,02	down
5731740	7033616	970193	---	---	---	1,07	up
5731751	7374324	1807516	---	---	---	1,02	up

5731839	7171091	1302458	---	---	---	1,22	up
5731865	7248790	1494492	---	---	---	1,37	up
5731906	7237711	1467461	---	---	---	1,22	down
5731986	7237132	1466106	---	---	---	1,25	down
5732055	7217650	1417178	---	---	---	1,14	down
5732061	7356027	1759980	---	---	---	1,45	up
5732094	7207069	1392026	---	---	---	1,04	down
5732117	7374324	1807483	---	---	---	1,06	up
5732152	7280743	1574559	---	---	---	1,36	up
5732188	7294738	1607996	---	---	---	1,27	down
5732222	7112355	1158074	---	---	---	1,06	down
5732245	7246823	1489671	---	---	---	2,36	up
5732255	7249019	1495085	---	---	---	1,45	up
5732276	7217434	1416410	---	---	---	1,04	down
5732334	7248790	1494520	---	---	---	1,11	up
5732345	7239752	1473151	---	---	---	1,41	up
5732502	7193403	1359194	---	---	---	1,22	up
5732527	7252877	1504782	---	---	---	1,09	up
5732653	7326612	1687198	---	---	---	1,03	up
5732718	7330396	1696401	---	---	---	1,14	up
5732728	7140365	1226776	---	---	---	1,34	up
5732741	7079475	1078286	---	---	---	1,10	up
5732757	7168439	1295698	---	---	---	1,34	up
5732798	7028624	957996	---	---	---	1,03	up
5732818	7116540	1168636	---	---	---	1,07	down
5732868	7281577	1576888	---	---	---	1,03	up
5732912	7346505	1736287	---	---	---	1,03	down
5732932	7309738	1646949	---	---	---	1,06	down
5732940	7181871	1330172	---	---	---	1,09	up
5733019	7358053	1764842	---	---	---	2,15	down
5733089	7257893	1517461	---	---	---	1,71	up
5733117	7146000	1240661	---	---	---	1,74	down
5733154	7196803	1367328	---	---	---	1,51	up
5733280	7240569	1475472	---	---	---	2,33	down
5733290	7350530	1746237	---	---	---	1,72	down
5733302	7301843	1626488	---	---	---	1,84	up
5733379	7068259	1051593	---	---	---	1,44	down
5733522	7281575	1576839	---	---	---	1,23	up
5733635	7156611	1267365	---	---	---	1,29	down
5733676	7162959	1282082	---	---	---	1,70	down
5733704	7031774	964738	---	---	---	2,13	down
5733742	7153571	1259033	---	---	---	2,09	up
5733750	7227433	1440967	---	---	---	1,07	up
5733769	7200313	1376462	---	---	---	1,03	up
5733888	7097485	1120937	---	---	---	2,86	down
5733947	7367980	1789191	---	---	---	1,45	up
5733958	7240569	1475469	---	---	---	1,05	down
5734124	7313222	1654906	---	---	---	1,69	up
5734171	7364948	1781227	---	---	---	1,10	up
5734201	7128539	1197692	---	---	---	1,37	down
5734222	7070668	1057918	---	---	---	1,93	up
5734391	7232534	1454142	---	---	---	1,04	up
5734481	7247230	1490589	---	---	---	1,49	down
5734484	7248790	1494490	---	---	---	1,07	down
5734532	7148741	1247833	---	---	---	1,13	up
5734742	7330731	1697181	---	---	---	1,20	up
5734923	7029119	958980	---	---	---	1,02	up

5734931	7067828	1050786	---	---	---	1,19	down
5734938	7140113	1226063	---	---	---	1,45	up
5734997	7059020	1029336	---	---	---	1,07	down
5735034	7258455	1518723	---	---	---	1,00	up
5735066	7207069	1392028	---	---	---	1,76	down
5735121	7059309	1029926	---	---	---	1,11	down
5735135	7067670	1050330	---	---	---	1,28	down
5735248	7351568	1748790	---	---	---	1,24	up
5735259	7038530	981877	---	---	---	1,12	down
5735294	7193056	1358272	---	---	---	1,01	up
5735312	7321204	1675169	---	---	---	1,10	down
5735432	7066035	1046205	---	---	---	1,08	down
5735467	7296131	1611488	---	---	---	1,56	up
5735548	7059584	1030546	---	---	---	1,48	down
5735602	7119845	1176910	---	---	---	1,13	up
5735644	7080476	1080420	---	---	---	1,03	up
5735647	7194400	1361779	---	---	---	1,13	up
5735949	7049308	1008124	---	---	---	1,90	down
5735963	7068259	1051612	---	---	---	2,14	down
5736087	7279533	1571916	---	---	---	1,00	down
5736246	7092549	1109154	---	---	---	1,14	down
5736257	7040674	987003	---	---	---	1,44	up
5736309	7164949	1286358	---	---	---	1,74	down
5736341	7067670	1050345	---	---	---	1,31	down
5736396	7243901	1483064	---	---	---	1,32	up
5736399	7222741	1429364	---	---	---	1,21	down
5736409	7365147	1781768	---	---	---	1,05	up
5736452	7177834	1319618	---	---	---	1,50	down
5736492	7356326	1760473	---	---	---	1,05	down
5736532	7244287	1484087	---	---	---	1,05	up
5736533	7205944	1389471	---	---	---	1,07	up
5736569	7196029	1365636	---	---	---	1,18	up
5736588	7038530	981860	---	---	---	1,18	up
5736594	7177520	1318612	---	---	---	1,12	up
5736599	7108434	1148309	---	---	---	1,05	down
5736613	7336931	1711855	---	---	---	1,05	down
5736625	7374324	1807477	---	---	---	1,50	down
5736631	7302787	1628882	---	---	---	1,13	down
5736727	7066035	1046195	---	---	---	1,45	up
5736738	7193056	1358279	---	---	---	2,49	up
5736750	7177180	1317764	---	---	---	1,45	down
5736752	7217434	1416342	---	---	---	1,12	down
5736789	7114274	1162828	---	---	---	2,03	down
5736808	7079236	1077791	---	---	---	1,01	up
5736937	7065575	1045108	---	---	---	1,00	up
5736952	7056106	1022979	---	---	---	1,02	down
5736967	7039303	983874	---	---	---	1,21	up
5737133	7353997	1754703	---	---	---	1,09	down
5737150	7376566	1812846	---	---	---	1,38	up
5737155	7253408	1505945	---	---	---	1,08	up
5737198	7059702	1030771	---	---	---	1,31	down
5737211	7039223	983577	---	---	---	1,25	up
5737228	7260579	1524191	---	---	---	2,11	down
5737275	7069830	1055591	---	---	---	1,16	up
5737278	7168519	1295873	---	---	---	1,06	up
5737320	7100210	1128144	---	---	---	1,41	down
5737391	7305275	1635846	---	---	---	1,16	up

5737492	7148741	1247839	---	---	---	1,12	up
5737545	7092549	1109175	---	---	---	1,02	down
5737560	7267000	1539304	---	---	---	1,31	down
5737561	7385253	1832223	---	---	---	1,05	down
5737596	7041061	988075	---	---	---	1,09	down
5737641	7115963	1167050	---	---	---	1,22	up
5737653	7186464	1341380	---	---	---	1,07	down
5737775	7180804	1326999	---	---	---	1,20	down
5737828	7261580	1526818	---	---	---	1,71	down
5737844	7056333	1023686	---	---	---	1,03	down
5737853	7039223	983561	---	---	---	1,12	down
5737862	7247848	1492073	---	---	---	1,02	down
5737864	7343250	1728049	---	---	---	1,21	up
5737918	7374324	1807454	---	---	---	1,16	up
5738025	7282343	1578686	---	---	---	1,29	up
5738109	7247954	1492389	---	---	---	1,29	up
5738223	7049689	1008873	---	---	---	1,30	down
5738271	7296131	1611503	---	---	---	2,25	up
5738290	7099573	1126731	---	---	---	1,33	down
5738324	7181105	1327967	---	---	---	1,53	up
5738355	7330223	1695835	---	---	---	1,17	down
5738392	7334636	1706502	---	---	---	1,36	up
5738404	7030087	960785	---	---	---	1,16	up
5738475	7218728	1419924	---	---	---	1,06	up
5738576	7131876	1206052	---	---	---	1,30	down
5738629	7267802	1541732	---	---	---	1,58	up
5738707	7165644	1288009	---	---	---	1,13	up
5738818	7181105	1327966	---	---	---	1,09	down
5738928	7043515	994015	---	---	---	1,22	up
5738997	7340673	1721693	---	---	---	1,38	down
5739143	7055793	1022312	---	---	---	1,44	up
5739200	7237438	1466793	---	---	---	1,31	down
5739238	7212735	1405006	---	---	---	2,27	up
5739243	7341243	1723219	---	---	---	1,01	up
5739247	7068259	1051625	---	---	---	2,01	down
5739314	7141061	1228696	---	---	---	1,18	up
5739324	7292517	1602559	---	---	---	1,49	down
5739348	7291803	1600886	---	---	---	1,30	down
5739365	7231834	1452268	---	---	---	1,21	down
5739402	7105375	1140970	---	---	---	1,16	down
5739433	7346066	1735283	---	---	---	1,20	up
5739511	7340304	1720853	---	---	---	1,63	down
5739562	7059309	1029904	---	---	---	1,30	down
5739690	7238153	1468835	---	---	---	1,42	down
5739818	7180598	1326335	---	---	---	1,18	up
5739820	7350237	1745492	---	---	---	1,36	up
5739833	7075445	1069359	---	---	---	1,01	down
5739887	7368815	1792312	---	---	---	1,30	down
5739914	7069830	1055616	---	---	---	1,07	down
5739949	7347427	1738678	---	---	---	1,34	down
5740047	7205944	1389481	---	---	---	2,51	up
5740096	7067518	1049955	---	---	---	1,40	up
5740179	7125348	1190100	---	---	---	1,21	down
5740222	7210387	1400036	---	---	---	1,09	up
5740251	7361881	1773951	---	---	---	1,36	up
5740321	7139825	1225355	---	---	---	1,10	up
5740328	7384509	1830746	---	---	---	1,30	up

5740524	7252877	1504698	---	---	---	1,27	up
5740557	7376206	1811975	---	---	---	1,05	up
5740596	7217434	1416429	---	---	---	1,45	down
5740700	7199743	1375182	---	---	---	1,08	up
5740719	7267802	1541754	---	---	---	1,07	up
5740721	7255522	1511454	---	---	---	1,27	down
5740839	7191594	1354232	---	---	---	1,10	up
5740918	7146872	1242913	---	---	---	1,11	up
5741066	7294911	1608533	---	---	---	1,13	down
5741307	7256191	1512861	---	---	---	1,09	down
5741313	7248790	1494507	---	---	---	1,24	down
5741352	7196029	1365618	---	---	---	1,25	up
5741393	7235794	1462894	---	---	---	1,28	up
5741421	7179785	1324488	---	---	---	1,21	down
5741423	7289075	1594451	---	---	---	1,12	up
5741470	7108434	1148324	---	---	---	1,80	up
5741472	7243901	1483052	---	---	---	1,07	up
5741511	7373678	1805882	---	---	---	1,04	down
5741565	7364346	1780009	---	---	---	1,25	up
5741605	7204929	1387148	---	---	---	2,05	down
5741645	7295410	1609777	---	---	---	1,48	up
5741731	7140834	1227938	---	---	---	1,53	up
5741764	7093296	1110925	---	---	---	1,18	up
5741816	7132125	1206619	---	---	---	1,20	up
5741827	7333333	1703394	---	---	---	1,04	up
5742044	7080476	1080401	---	---	---	1,46	down
5742045	7337902	1714546	---	---	---	1,57	up
5742052	7221443	1426325	---	---	---	2,18	up
5742138	7378878	1818320	---	---	---	2,21	down
5742162	7236358	1464259	---	---	---	1,04	down
5742232	7261580	1526807	---	---	---	1,18	up
5742253	7295652	1610274	---	---	---	2,10	up
5742312	7245932	1487792	---	---	---	1,17	up
5742345	7079238	1077823	---	---	---	1,01	up
5742377	7076236	1071201	---	---	---	1,66	down
5742451	7377583	1815456	---	---	---	1,35	down
5742526	7319609	1671206	---	---	---	1,06	down
5742628	7039265	983654	---	---	---	1,09	down
5742743	7307473	1641278	---	---	---	1,01	up
5743029	7086044	1092909	---	---	---	2,40	down
5743042	7078666	1076508	---	---	---	1,36	down
5743095	7162177	1280577	---	---	---	1,17	down
5743149	7345465	1733859	---	---	---	1,39	down
5743219	7303777	1631907	---	---	---	1,03	down
5743234	7356115	1760118	---	---	---	1,34	up
5743283	7240224	1474389	---	---	---	1,12	down
5743356	7231484	1451398	---	---	---	1,03	down
5743370	7268357	1543389	---	---	---	1,47	down
5743374	7095021	1115127	---	---	---	1,44	down
5743474	7215722	1412268	---	---	---	2,29	up
5743519	7050716	1011224	---	---	---	1,16	up
5743521	7238115	1468570	---	---	---	1,10	up
5743782	7207069	1392029	---	---	---	1,33	down
5743845	7207069	1392017	---	---	---	1,00	down
5743879	7349643	1744141	---	---	---	1,22	down
5743989	7288077	1591968	---	---	---	1,27	down
5744060	7194400	1361778	---	---	---	1,03	up

5744235	7132125	1206616	---	---	---	1,15	up
5744248	7243647	1482463	---	---	---	1,04	up
5744292	7150348	1251418	---	---	---	1,38	down
5744388	7109292	1150724	---	---	---	1,09	down
5744391	7069142	1053872	---	---	---	1,47	down
5744500	7176368	1315588	---	---	---	1,01	down
5744567	7056333	1023683	---	---	---	1,13	up
5744595	7380497	1821855	---	---	---	1,38	down
5744671	7252877	1504773	---	---	---	1,25	down
5744675	7255911	1512229	---	---	---	1,18	up
5744683	7217679	1417317	---	---	---	1,05	down
5744705	7288077	1592010	---	---	---	1,30	down
5744763	7276650	1564149	---	---	---	1,42	up
5744778	7326612	1687185	---	---	---	1,18	down
5744846	7261580	1526770	---	---	---	1,24	up
5744870	7059506	1030400	---	---	---	1,11	up
5744909	7367851	1788522	---	---	---	1,11	up
5744931	7237814	1467836	---	---	---	1,85	up
5745094	7181001	1327635	---	---	---	1,25	down
5745125	7269911	1546906	---	---	---	1,02	up
5745296	7079600	1078628	---	---	---	1,07	up
5745442	7089080	1101129	---	---	---	1,01	up
5745474	7359453	1768450	---	---	---	1,15	down
5745479	7369939	1795635	---	---	---	1,76	down
5745492	7295652	1610296	---	---	---	1,07	down
5745522	7363576	1778194	---	---	---	1,08	down
5745547	7252877	1504776	---	---	---	1,21	down
5745557	7070836	1058333	---	---	---	1,06	down
5745572	7052933	1016219	---	---	---	1,13	down
5745744	7196029	1365639	---	---	---	1,17	down
5745789	7058149	1027277	---	---	---	1,01	down
5745790	7301616	1625900	---	---	---	1,21	down
5745793	7196029	1365610	---	---	---	1,48	up
5745862	7340673	1721699	---	---	---	1,03	up
5746063	7208847	1396349	---	---	---	1,01	down
5746101	7336931	1711872	---	---	---	1,26	up
5746121	7256789	1514652	---	---	---	1,11	up
5746158	7092549	1109138	---	---	---	1,33	up
5746226	7126658	1193169	---	---	---	1,92	up
5746247	7384509	1830738	---	---	---	1,01	up
5746259	7052813	1015908	---	---	---	1,02	down
5746359	7158517	1271583	---	---	---	1,39	up
5746379	7312532	1653214	---	---	---	1,05	up
5746436	7217434	1416401	---	---	---	1,03	down
5746443	7152974	1257658	---	---	---	1,42	up
5746446	7120827	1179351	---	---	---	1,06	down
5746493	7142321	1231502	---	---	---	1,01	down
5746557	7297589	1615687	---	---	---	1,09	up
5746595	7336288	1710266	---	---	---	1,04	up
5746611	7321414	1675642	---	---	---	1,56	up
5746623	7207292	1392622	---	---	---	1,21	down
5746634	7025310	949236	---	---	---	1,43	down
5746700	7033337	969496	---	---	---	1,16	down
5746789	7131876	1206052	---	---	---	1,06	up
5746833	7380497	1821845	---	---	---	1,10	down
5746859	7122585	1183684	---	---	---	1,51	down
5746999	7281877	1577532	---	---	---	1,32	up

5747070	7072225	1061405	---	---	---	1,10	down
5747218	7065860	1045798	---	---	---	1,22	down
5747226	7368004	1789331	---	---	---	1,73	down
5747246	7318596	1668936	---	---	---	2,35	up
5747349	7127540	1195284	---	---	---	1,16	up
5747458	7280743	1574558	---	---	---	1,31	down
5747476	7264808	1534468	---	---	---	1,05	down
5747510	7380497	1821862	---	---	---	1,00	up
5747586	7073609	1064858	---	---	---	1,27	up
5747608	7213908	1407662	---	---	---	1,91	down
5747675	7345465	1733827	---	---	---	1,56	down
5747727	7097583	1121276	---	---	---	1,33	down
5747826	7293402	1604869	---	---	---	1,03	up
5747837	7120039	1177491	---	---	---	1,43	up
5747851	7096924	1119621	---	---	---	1,08	down
5748187	7330396	1696338	---	---	---	1,46	up
5748188	7055793	1022333	---	---	---	1,29	down
5748201	7193959	1360602	---	---	---	1,13	up
5748220	7346066	1735309	---	---	---	1,37	up
5748278	7343250	1728039	---	---	---	2,61	up
5748295	7272110	1553073	---	---	---	1,37	up
5748340	7166439	1290098	---	---	---	2,78	up
5748407	7100523	1128851	---	---	---	1,15	up
5748427	7034747	973193	---	---	---	1,57	up
5748572	7252339	1503265	---	---	---	1,53	up
5748592	7115362	1165607	---	---	---	1,10	up
5748612	7063873	1040642	---	---	---	1,09	up
5748737	7261580	1526783	---	---	---	1,08	up
5748766	7258455	1518711	---	---	---	1,04	up
5749011	7086966	1095267	---	---	---	1,19	down
5749039	7062233	1037188	---	---	---	1,05	up
5749215	7344530	1731580	---	---	---	1,17	down
5749220	7244287	1484070	---	---	---	1,03	down
5749308	7039532	984441	---	---	---	1,40	down
5749399	7237438	1466791	---	---	---	1,03	down
5749492	7148741	1247825	---	---	---	1,42	down
5749505	7365183	1781916	---	---	---	1,46	down
5749537	7071264	1059310	---	---	---	1,06	up
5749625	7186464	1341364	---	---	---	1,42	up
5749661	7377116	1814068	---	---	---	1,02	down
5749670	7281877	1577531	---	---	---	1,15	down
5749700	7123129	1185090	---	---	---	2,41	down
5749850	7146542	1242291	---	---	---	1,01	down
5750090	7263222	1530532	---	---	---	1,08	up
5750236	7215722	1412268	---	---	---	2,10	up
5750288	7258455	1518732	---	---	---	1,35	down
5750423	7235840	1463002	---	---	---	1,30	up
5750488	7165954	1288811	---	---	---	1,20	up
5750558	7030087	960790	---	---	---	1,03	down
5750575	7105057	1140311	---	---	---	1,10	down
5750599	7320998	1674712	---	---	---	2,28	down
5750614	7268694	1544235	---	---	---	1,26	up
5750617	7367994	1789238	---	---	---	1,02	down
5750627	7180804	1327014	---	---	---	1,09	up
5750683	7274780	1559243	---	---	---	1,06	up
5750698	7052385	1014786	---	---	---	1,17	down
5750706	7252877	1504762	---	---	---	1,14	up

5750931	7330731	1697174	---	---	---	1,02	down
5751221	7364346	1780026	---	---	---	1,85	up
5751240	7267802	1541816	---	---	---	1,07	up
5751243	7267953	1542232	---	---	---	1,62	down
5751252	7121849	1181758	---	---	---	1,04	up
5751300	7060896	1033554	---	---	---	1,53	up
5751364	7279533	1571910	---	---	---	2,58	down
5751380	7102416	1133513	---	---	---	1,02	up
5751403	7341002	1722534	---	---	---	4,16	up
5751416	7273251	1555949	---	---	---	1,41	up
5751439	7339387	1718378	---	---	---	1,13	up
5751459	7193056	1358255	---	---	---	1,07	down
5751524	7315206	1660021	---	---	---	1,24	down
5751536	7267802	1541816	---	---	---	1,62	down
5751575	7062233	1037242	---	---	---	1,09	down
5751858	7121849	1181770	---	---	---	1,11	up
5751939	7121849	1181799	---	---	---	1,06	up
5751972	7198210	1370958	---	---	---	1,04	up
5752045	7056304	1023521	---	---	---	2,22	down
5752095	7247954	1492397	---	---	---	1,10	down
5752147	7289075	1594472	---	---	---	1,01	down
5752177	7115362	1165598	---	---	---	1,42	down
5752282	7355041	1757403	---	---	---	2,40	up
5752300	7196029	1365636	---	---	---	1,11	up
5752312	7205944	1389464	---	---	---	1,05	up
5752377	7247512	1491205	---	---	---	1,91	up
5752394	7059917	1031331	---	---	---	1,11	up
5752422	7046605	1002433	---	---	---	1,33	up
5752503	7341646	1724194	---	---	---	1,09	up
5752548	7168521	1295979	---	---	---	1,05	down
5752556	7216970	1415120	---	---	---	1,22	up
5752575	7350993	1747523	---	---	---	1,02	down
5752775	7343250	1728045	---	---	---	1,18	up
5752791	7030454	961552	---	---	---	1,10	up
5752842	7225291	1435296	---	---	---	1,46	up
5752932	7153136	1258009	---	---	---	1,59	up
5753012	7214605	1409365	---	---	---	1,66	down
5753081	7231484	1451388	---	---	---	1,19	down
5753101	7378997	1818657	---	---	---	1,67	up
5753110	7340673	1721713	---	---	---	1,07	up
5753119	7060896	1033551	---	---	---	1,24	down
5753149	7256191	1512859	---	---	---	1,80	up
5753153	7071292	1059461	---	---	---	1,64	up
5753204	7302787	1628889	---	---	---	1,00	down
5753222	7213228	1405990	---	---	---	1,33	down
5753237	7181193	1328292	---	---	---	1,56	up
5753288	7092549	1109172	---	---	---	1,32	down
5753341	7231484	1451382	---	---	---	1,05	up
5753374	7329846	1694991	---	---	---	1,38	up
5753399	7337425	1713160	---	---	---	1,32	up
5753439	7053620	1017794	---	---	---	1,25	down
5753527	7040442	986538	---	---	---	1,22	up
5753591	7128112	1196523	---	---	---	1,05	down
5753639	7156114	1266055	---	---	---	1,06	up
5753664	7212587	1404648	---	---	---	1,36	down
5753668	7115507	1165977	---	---	---	1,13	up
5753674	7229856	1447079	---	---	---	1,02	up

5753687	7189455	1348369	---	---	---	1,02	down
5753708	7095021	1115124	---	---	---	1,06	up
5753736	7153136	1258047	---	---	---	1,21	down
5753742	7268694	1544244	---	---	---	1,13	down
5753762	7171091	1302469	---	---	---	1,01	down
5753852	7321414	1675637	---	---	---	1,84	up
5753929	7363529	1777966	---	---	---	1,73	down
5754000	7058507	1028306	---	---	---	1,38	up
5754044	7240641	1475740	---	---	---	1,19	up
5754100	7068942	1053378	---	---	---	1,10	up
5754121	7344380	1731114	---	---	---	1,00	up
5754157	7091439	1106635	---	---	---	1,10	down
5754263	7340057	1720325	---	---	---	1,85	up
5754277	7128704	1198018	---	---	---	1,01	up
5754322	7360486	1770965	---	---	---	1,36	up
5754497	7348924	1742182	---	---	---	1,02	down
5754508	7041609	989567	---	---	---	1,37	up
5754683	7031774	964754	---	---	---	1,16	down
5754730	7230698	1449066	---	---	---	1,17	down
5754784	7156611	1267343	---	---	---	1,05	up
5754788	7214605	1409398	---	---	---	1,20	down
5754831	7127540	1195300	---	---	---	1,27	up
5754848	7041584	989455	---	---	---	1,23	down
5754888	7139026	1223503	---	---	---	1,03	down
5754915	7360486	1771015	---	---	---	1,37	down
5755082	7340990	1722512	---	---	---	1,08	up
5755142	7083031	1086285	---	---	---	1,26	up
5755163	7067518	1049958	---	---	---	1,31	down
5755230	7107321	1145322	---	---	---	1,21	up
5755292	7142081	1230985	---	---	---	1,05	up
5755327	7300027	1621888	---	---	---	2,02	up
5755516	7292701	1602966	---	---	---	1,20	down
5755576	7083030	1086272	---	---	---	1,06	up
5755639	7315206	1660037	---	---	---	2,14	down
5755661	7258784	1519671	---	---	---	1,68	down
5755703	7267204	1539853	---	---	---	1,02	up
5755764	7238202	1468946	---	---	---	2,20	down
5755818	7253272	1505569	---	---	---	1,60	up
5755838	7042382	991296	---	---	---	1,79	up
5755933	7067670	1050320	---	---	---	2,44	up
5755982	7366749	1785527	---	---	---	1,01	up
5756098	7301843	1626490	---	---	---	1,57	up
5756124	7243894	1482961	---	---	---	1,06	up
5756225	7063873	1040641	---	---	---	1,65	down
5756256	7190524	1351177	---	---	---	1,16	up
5756298	7252382	1503515	---	---	---	2,67	up
5756302	7274892	1559576	---	---	---	1,45	up
5756360	7069253	1054175	---	---	---	1,61	down
5756497	7344380	1731116	---	---	---	2,10	up
5756594	7339379	1718334	---	---	---	1,16	up
5756618	7166867	1291311	---	---	---	1,01	up
5756701	7259221	1520633	---	---	---	1,11	up
5756805	7181105	1327967	---	---	---	1,33	down
5756841	7236968	1465656	---	---	---	1,55	down
5756927	7171091	1302464	---	---	---	1,27	down
5756979	7083030	1086255	---	---	---	1,04	down
5756990	7186464	1341385	---	---	---	1,42	down

5757042	7128112	1196531	---	---	---	1,03	down
5757049	7125494	1190403	---	---	---	1,06	down
5757124	7107926	1146838	---	---	---	1,18	down
5757131	7297589	1615642	---	---	---	1,15	up
5757329	7217434	1416369	---	---	---	1,04	up
5757415	7353284	1752983	---	---	---	1,19	down
5757463	7324760	1683093	---	---	---	1,36	down
5757468	7172691	1306437	---	---	---	1,13	down
5757537	7146000	1240655	---	---	---	4,75	down
5757571	7056304	1023556	---	---	---	1,26	down
5757615	7227474	1441163	---	---	---	1,17	down
5757625	7290296	1597394	---	---	---	1,14	up
5757673	7052813	1015892	---	---	---	1,54	down
5757738	7231775	1452125	---	---	---	1,33	down
5757985	7190242	1350309	---	---	---	1,26	down
5758007	7170845	1301879	---	---	---	1,18	down
5758025	7131718	1205749	---	---	---	2,01	up
5758056	7240569	1475521	---	---	---	1,41	down
5758075	7127540	1195301	---	---	---	1,66	up
5758131	7279073	1570711	---	---	---	1,02	down
5758136	7281924	1577753	---	---	---	1,04	up
5758284	7182739	1332586	---	---	---	1,61	down
5758290	7132024	1206344	---	---	---	1,48	up
5758320	7365147	1781782	---	---	---	1,52	down
5758479	7155866	1265325	---	---	---	1,17	up
5758486	7303191	1629957	---	---	---	2,61	up
5758530	7302327	1627678	---	---	---	1,57	up
5758543	7198325	1371350	---	---	---	1,33	down
5758595	7095960	1117069	---	---	---	1,09	down
5758623	7289069	1594419	---	---	---	1,43	down
5758626	7366749	1785501	---	---	---	1,14	down
5758670	7213908	1407757	---	---	---	1,25	up
5758812	7101258	1130566	---	---	---	1,20	down
5758855	7360486	1771025	---	---	---	2,16	down
5758945	7279533	1571917	---	---	---	1,01	down
5758961	7378997	1818620	---	---	---	1,64	down
5759036	7120671	1179004	---	---	---	1,29	up
5759043	7156372	1266709	---	---	---	1,21	down
5759081	7069239	1054092	---	---	---	1,16	down
5759275	7041140	988269	---	---	---	1,09	up
5759380	7184151	1335966	---	---	---	1,14	down
5759438	7236131	1463755	---	---	---	1,10	up
5759452	7205944	1389484	---	---	---	1,14	down
5759454	7195680	1364899	---	---	---	1,14	down
5759550	7053874	1018311	---	---	---	1,00	down
5759574	7373678	1805857	---	---	---	1,93	up
5759636	7136746	1217962	---	---	---	1,00	up
5759682	7039223	983549	---	---	---	1,26	down
5759905	7130917	1203928	---	---	---	1,11	down
5759964	7190242	1350305	---	---	---	1,37	up
5760157	7373678	1805881	---	---	---	1,06	up
5760164	7337425	1713168	---	---	---	1,33	up
5760178	7069724	1055338	---	---	---	1,04	down
5760183	7261768	1527165	---	---	---	2,26	up
5760185	7128112	1196564	---	---	---	1,17	down
5760202	7042529	991595	---	---	---	1,11	up
5760203	7091439	1106638	---	---	---	1,08	up

5760250	7181001	1327634	---	---	---	1,45	down
5760278	7130917	1203930	---	---	---	1,18	down
5760329	7341264	1723359	---	---	---	1,04	down
5760347	7293922	1605962	---	---	---	1,12	down
5760383	7075460	1069412	---	---	---	1,20	down
5760450	7181193	1328302	---	---	---	2,03	up
5760553	7028326	957440	---	---	---	1,12	down
5760591	7380878	1822584	---	---	---	1,10	up
5760597	7361223	1772613	---	---	---	1,30	up
5760652	7191888	1354950	---	---	---	2,81	up
5760690	7140365	1226789	---	---	---	1,37	up
5760722	7148741	1247833	---	---	---	1,43	up
5760769	7147416	1244423	---	---	---	1,14	up
5760860	7252777	1504494	---	---	---	1,18	up
5760959	7131718	1205741	---	---	---	1,10	down
5760977	7337425	1713206	---	---	---	1,09	down
5761074	7069830	1055637	---	---	---	1,02	up
5761084	7368815	1792348	---	---	---	1,04	up
5761110	7182739	1332589	---	---	---	1,02	up
5761341	7330731	1697172	---	---	---	1,14	up
5761350	7222741	1429364	---	---	---	1,49	down
5761411	7066035	1046193	---	---	---	1,02	up
5761503	7368555	1791242	---	---	---	1,27	down
5761566	7031774	964688	---	---	---	1,92	up
5761592	7363529	1777936	---	---	---	2,71	up
5761680	7193403	1359187	---	---	---	1,64	up
5761737	7190534	1351229	---	---	---	1,09	down
5761779	7121849	1181821	---	---	---	1,05	up
5761836	7356333	1760489	---	---	---	1,40	down
5761842	7341002	1722557	---	---	---	1,53	up
5761851	7169732	1298758	---	---	---	1,05	down
5761891	7384073	1829458	---	---	---	1,03	down
5761899	7315206	1660018	---	---	---	1,72	up
5761960	7312569	1653343	---	---	---	4,34	down
5762084	7287337	1589976	---	---	---	1,69	down
5762155	7248790	1494495	---	---	---	1,03	down
5762223	7294911	1608533	---	---	---	1,16	down
5762260	7213945	1407850	---	---	---	1,68	down
5762296	7121849	1181753	---	---	---	1,22	down
5762335	7333462	1703647	---	---	---	1,03	up
5762396	7067670	1050304	---	---	---	2,27	up
5762405	7377304	1814577	---	---	---	1,23	down
5762458	7131718	1205741	---	---	---	1,04	down
5762523	7249019	1495081	---	---	---	1,35	down
5762538	7198210	1371001	---	---	---	1,19	up
5762559	7339452	1718595	---	---	---	2,16	down
5762578	7236358	1464219	---	---	---	1,23	down
5762608	7274593	1558805	---	---	---	3,23	down
5762629	7028278	957312	---	---	---	1,08	up
5762642	7382499	1826256	---	---	---	1,15	up
5762660	7344702	1732140	---	---	---	1,23	down
5762714	7200545	1376901	---	---	---	1,25	up
5762717	7194540	1362112	---	---	---	1,02	down
5762813	7081748	1083343	---	---	---	1,07	down
5762837	7158920	1272510	---	---	---	1,29	down
5762885	7364948	1781209	---	---	---	1,12	down
5762923	7371753	1800970	---	---	---	1,23	down

5762988	7333462	1703641	---	---	---	1,11	up
5763097	7160687	1277015	---	---	---	1,08	up
5763125	7196065	1365726	---	---	---	1,53	up
5763337	7059020	1029348	---	---	---	1,03	up
5763358	7292178	1601753	---	---	---	1,10	up
5763475	7383823	1828934	---	---	---	1,10	down
5763520	7264797	1534442	---	---	---	1,43	up
5763609	7341264	1723350	---	---	---	1,23	up
5763614	7073854	1065623	---	---	---	1,86	down
5763766	7273251	1555941	---	---	---	1,16	down
5764020	7326245	1686404	---	---	---	4,29	down
5764041	7209927	1398941	---	---	---	1,01	down
5764082	7358859	1767018	---	---	---	1,00	down
5764116	7196029	1365617	---	---	---	1,36	up
5764151	7340304	1720843	---	---	---	1,70	down
5764154	7052385	1014794	---	---	---	1,03	up
5764242	7369939	1795613	---	---	---	1,43	down
5764283	7148741	1247827	---	---	---	1,06	up
5764347	7143455	1234739	---	---	---	1,43	down
5764403	7034356	972164	---	---	---	1,18	down
5764512	7326612	1687188	---	---	---	1,02	up
5764583	7088544	1099669	---	---	---	1,14	up
5764585	7277783	1567420	---	---	---	1,52	up
5764591	7330623	1696950	---	---	---	1,18	down
5764647	7183182	1333571	---	---	---	1,18	down
5764652	7302018	1626963	---	---	---	1,15	up
5764707	7038659	982167	---	---	---	1,44	down
5764735	7171417	1303149	---	---	---	1,56	up
5764847	7201422	1379186	---	---	---	1,08	down
5764898	7076099	1070662	---	---	---	1,20	up
5764961	7059584	1030556	---	---	---	1,19	up
5765014	7099573	1126729	---	---	---	1,48	up
5765023	7302860	1629005	---	---	---	1,02	down
5765158	7289382	1595213	---	---	---	1,08	up
5765178	7252877	1504707	---	---	---	1,09	down
5765180	7360325	1770492	---	---	---	1,11	up
5765204	7243363	1481627	---	---	---	1,12	down
5765250	7067670	1050302	---	---	---	1,69	up
5765283	7227433	1440983	---	---	---	1,04	up
5765313	7233178	1455899	---	---	---	1,00	down
5765464	7373633	1805698	---	---	---	1,02	up
5765474	7330396	1696354	---	---	---	1,07	up
5765510	7072765	1062742	---	---	---	1,17	down
5765599	7380878	1822547	---	---	---	1,21	down
5765748	7146000	1240656	---	---	---	1,36	up
5765786	7181193	1328290	---	---	---	1,27	up
5765870	7374493	1807959	---	---	---	1,05	up
5765872	7286807	1588792	---	---	---	1,00	down
5765878	7349313	1743115	---	---	---	3,84	down
5765943	7247230	1490569	---	---	---	1,10	up
5765953	7369939	1795614	---	---	---	1,35	down
5765978	7269911	1546915	---	---	---	1,12	up
5765983	7305275	1635822	---	---	---	1,45	up
5766014	7265259	1535447	---	---	---	1,02	down
5766332	7279568	1572013	---	---	---	1,21	down
5766396	7096461	1118267	---	---	---	1,18	down
5766507	7131550	1205562	---	---	---	1,07	up

5766515	7214605	1409404	---	---	---	3,05	down
5766521	7135736	1215403	---	---	---	1,71	up
5766570	7147791	1245416	---	---	---	2,16	up
5766583	7052331	1014598	---	---	---	2,10	down
5766653	7062233	1037243	---	---	---	1,14	up
5766657	7302445	1628176	---	---	---	1,03	down
5766661	7059962	1031402	---	---	---	1,11	down
5766737	7071264	1059363	---	---	---	2,94	up
5766745	7226277	1437984	---	---	---	1,16	down
5766746	7131718	1205747	---	---	---	1,07	up
5766831	7340673	1721703	---	---	---	1,03	down
5766887	7367994	1789256	---	---	---	2,70	up
5767034	7317708	1666836	---	---	---	1,28	up
5767044	7168521	1295897	---	---	---	1,02	up
5767093	7349817	1744588	---	---	---	1,63	down
5767140	7110999	1154757	---	---	---	2,19	down
5767284	7312532	1653221	---	---	---	1,17	up
5767315	7212285	1403980	---	---	---	1,13	down
5767342	7297274	1614661	---	---	---	1,18	down
5767401	7071659	1060225	---	---	---	2,06	up
5767526	7243363	1481626	---	---	---	1,00	down
5767730	7061003	1033921	---	---	---	1,09	down
5767759	7339379	1718326	---	---	---	1,28	up
5767802	7350489	1746126	---	---	---	1,07	down
5767812	7350993	1747551	---	---	---	1,11	down
5767813	7349817	1744597	---	---	---	1,15	down
5767821	7286807	1588833	---	---	---	1,42	down
5767912	7066035	1046222	---	---	---	1,02	up
5767936	7181193	1328289	---	---	---	1,02	up
5768044	7097485	1120935	---	---	---	1,35	up
5768093	7344380	1731126	---	---	---	1,04	down
5768145	7384509	1830736	---	---	---	1,04	up
5768174	7030519	961700	---	---	---	1,41	up
5768204	7198087	1370686	---	---	---	1,04	down
5768214	7242451	1479338	---	---	---	1,78	up
5768267	7032204	966120	---	---	---	1,28	down
5768299	7381090	1822991	---	---	---	1,31	up
5768319	7363529	1777924	---	---	---	1,13	down
5768360	7083030	1086267	---	---	---	1,05	down
5768404	7066035	1046221	---	---	---	1,25	down
5768476	7198210	1370970	---	---	---	1,35	up
5768479	7297589	1615603	---	---	---	1,20	up
5768504	7052957	1016258	---	---	---	1,74	down
5768675	7312686	1653621	---	---	---	1,06	down
5768704	7287337	1589994	---	---	---	1,03	down
5768731	7156052	1265780	---	---	---	1,13	down
5768745	7230886	1449526	---	---	---	1,01	up
5768847	7239752	1473196	---	---	---	1,04	up
5769128	7083030	1086261	---	---	---	1,06	up
5769184	7255687	1511771	---	---	---	2,25	down
5769321	7093806	1112161	---	---	---	2,79	down
5769354	7367943	1788925	---	---	---	1,06	up
5769522	7194400	1361789	---	---	---	1,12	up
5769885	7359361	1768264	---	---	---	1,03	up
5769903	7320068	1672648	---	---	---	2,02	up
5769945	7029770	960158	---	---	---	1,53	up
5769992	7119845	1176909	---	---	---	1,20	down

5770025	7350993	1747532	---	---	---	1,50	up
5770038	7186240	1340829	---	---	---	1,17	up
5770050	7356115	1760134	---	---	---	1,24	down
5770082	7240569	1475464	---	---	---	1,09	up
5770352	7274892	1559525	---	---	---	1,06	up
5770427	7360486	1771015	---	---	---	1,38	up
5770463	7069253	1054151	---	---	---	1,33	up
5770491	7075445	1069341	---	---	---	1,41	up
5770725	7038659	982167	---	---	---	1,11	down
5770729	7166855	1291255	---	---	---	2,59	down
5770735	7295652	1610277	---	---	---	1,12	down
5770743	7102369	1133418	---	---	---	1,51	up
5770966	7122585	1183687	---	---	---	1,42	up
5771000	7039265	983658	---	---	---	1,25	up
5771019	7140946	1228325	---	---	---	2,00	up
5771049	7318139	1668076	---	---	---	1,26	up
5771089	7374324	1807505	---	---	---	1,18	down
5771116	7218728	1419919	---	---	---	2,24	up
5771147	7254209	1508007	---	---	---	1,10	down
5771320	7280743	1574523	---	---	---	1,00	down
5771358	7205750	1388931	---	---	---	1,06	down
5771386	7156052	1265772	---	---	---	1,01	up
5771574	7181193	1328304	---	---	---	1,31	up
5771593	7344406	1731192	---	---	---	1,12	up
5771633	7034293	971810	---	---	---	2,99	up
5771699	7141456	1229595	---	---	---	1,54	up
5771700	7356115	1760133	---	---	---	1,67	up
5771730	7261580	1526802	---	---	---	1,17	up
5771762	7100210	1128143	---	---	---	1,02	down
5771803	7243647	1482425	---	---	---	1,25	down
5771914	7311367	1650728	---	---	---	1,27	down
5771981	7306629	1639457	---	---	---	2,16	up
5772062	7340304	1720867	---	---	---	2,21	down
5772103	7213908	1407712	---	---	---	1,20	down
5772150	7372840	1803780	---	---	---	1,25	up
5772162	7353224	1752673	---	---	---	1,08	down
5772246	7238202	1468939	---	---	---	1,35	up
5772258	7233106	1455668	---	---	---	1,26	down
5772275	7040442	986503	---	---	---	1,06	down
5772311	7198644	1372268	---	---	---	1,27	up
5772360	7218728	1419929	---	---	---	1,02	up
5772436	7321414	1675643	---	---	---	1,42	down
5772526	7217747	1417506	---	---	---	1,90	up
5772629	7274892	1559525	---	---	---	1,10	up
5772684	7069464	1054670	---	---	---	1,08	up
5772710	7288077	1591952	---	---	---	1,32	up
5772733	7240224	1474390	---	---	---	1,17	up
5772829	7086966	1095278	---	---	---	1,06	down
5772895	7317274	1665629	---	---	---	1,02	down
5772940	7095868	1116780	---	---	---	1,17	down
5772969	7112672	1158978	---	---	---	2,01	up
5773161	7158419	1271376	---	---	---	1,21	up
5773163	7064468	1042378	---	---	---	1,86	up
5773285	7058507	1028307	---	---	---	1,25	up
5773338	7288095	1592061	---	---	---	1,02	up
5773406	7063716	1040153	---	---	---	1,30	down
5773569	7175946	1314638	---	---	---	1,14	down

5773585	7337224	1712607	---	---	---	1,01	down
5773750	7371228	1799461	---	---	---	1,40	up
5773774	7252877	1504709	---	---	---	1,05	up
5773797	7188829	1346669	---	---	---	1,40	down
5773811	7196029	1365601	---	---	---	1,98	up
5773884	7194540	1362080	---	---	---	1,68	up
5773928	7282927	1579998	---	---	---	1,41	down
5774024	7030224	961135	---	---	---	1,23	up
5774062	7180804	1327006	---	---	---	1,12	up
5774090	7301843	1626478	---	---	---	1,05	up
5774128	7210702	1400724	---	---	---	1,21	down
5774163	7091954	1107721	---	---	---	1,20	down
5774221	7147809	1245453	---	---	---	1,05	down
5774231	7146542	1242295	---	---	---	1,17	down
5774297	7198210	1370968	---	---	---	1,08	down
5774354	7374324	1807464	---	---	---	1,04	down
5774369	7056333	1023713	---	---	---	1,06	up
5774401	7096924	1119615	---	---	---	1,48	up
5774453	7279103	1570826	---	---	---	1,33	down
5774541	7361075	1772338	---	---	---	1,08	up
5774594	7265259	1535438	---	---	---	1,03	up
5774731	7302445	1628172	---	---	---	1,18	up
5774740	7244602	1484757	---	---	---	1,03	up
5774815	7371228	1799468	---	---	---	1,03	down
5774864	7158920	1272512	---	---	---	1,30	up
5775002	7071292	1059434	---	---	---	1,56	down
5775005	7231484	1451355	---	---	---	1,11	up
5775034	7370977	1798760	---	---	---	2,09	down
5775198	7292701	1602955	---	---	---	1,16	down
5775332	7040442	986516	---	---	---	1,02	up
5775340	7154893	1262910	---	---	---	1,10	down
5775351	7350237	1745474	---	---	---	1,05	down
5775352	7360486	1770972	---	---	---	1,04	up
5775375	7052813	1015913	---	---	---	1,44	up
5775379	7112355	1158077	---	---	---	1,16	up
5775462	7076236	1071180	---	---	---	1,16	down
5775463	7052933	1016215	---	---	---	1,10	up
5775490	7293763	1605709	---	---	---	1,22	down
5775523	7240641	1475771	---	---	---	1,13	up
5775525	7366749	1785484	---	---	---	1,27	up
5775547	7132024	1206337	---	---	---	1,04	up
5775576	7172691	1306451	---	---	---	1,08	up
5775593	7240569	1475472	---	---	---	1,03	down
5775778	7340304	1720865	---	---	---	1,53	down
5775805	7360325	1770507	---	---	---	1,61	up
5775819	7121849	1181804	---	---	---	1,07	up
5776100	7081487	1082712	---	---	---	1,02	down
5776119	7113261	1160480	---	---	---	1,01	up
5776130	7239752	1473168	---	---	---	1,10	down
5776195	7040674	987028	---	---	---	2,44	up
5776257	7027386	955069	---	---	---	1,11	up
5776269	7278794	1570049	---	---	---	1,58	down
5776353	7350993	1747553	---	---	---	1,12	up
5776459	7374324	1807528	---	---	---	1,33	down
5776474	7102889	1134852	---	---	---	1,29	down
5776514	7277783	1567444	---	---	---	1,30	up
5776567	7038153	981149	---	---	---	1,07	down

5776633	7239752	1473169	---	---	---	1,47	down
5776715	7321029	1674831	---	---	---	2,04	up
5776739	7100523	1128841	---	---	---	1,11	up
5776810	7039223	983577	---	---	---	1,25	up
5776812	7244287	1484049	---	---	---	1,18	down
5776869	7166867	1291301	---	---	---	1,26	up
5776877	7317274	1665628	---	---	---	1,21	up
5776907	7259221	1520627	---	---	---	1,37	down
5777017	7165825	1288461	---	---	---	1,22	down
5777034	7269637	1546244	---	---	---	2,40	down
5777185	7280743	1574502	---	---	---	1,04	up
5777268	7225213	1435123	---	---	---	1,21	up
5777343	7365147	1781776	---	---	---	1,00	down
5777557	7217747	1417492	---	---	---	1,43	down
5777623	7121849	1181753	---	---	---	1,28	down
5777641	7087500	1096725	---	---	---	1,11	up
5777642	7182739	1332587	---	---	---	1,00	up
5777677	7241995	1478335	---	---	---	1,26	down
5777722	7217434	1416359	---	---	---	1,06	up
5777830	7264797	1534437	---	---	---	1,36	up
5777868	7259807	1522245	---	---	---	1,19	up
5777891	7232732	1454582	---	---	---	1,58	down
5778104	7243647	1482487	---	---	---	1,08	up
5778115	7182056	1330576	---	---	---	1,11	up
5778141	7346687	1736697	---	---	---	1,54	down
5778182	7132125	1206617	---	---	---	1,00	up
5778242	7068942	1053384	---	---	---	1,09	up
5778251	7351844	1749498	---	---	---	2,61	down
5778259	7383102	1827401	---	---	---	1,78	down
5778347	7200313	1376452	---	---	---	1,01	up
5778372	7153136	1258043	---	---	---	1,50	down
5778454	7121074	1179920	---	---	---	1,01	down
5778465	7284663	1588466	---	---	---	1,60	down
5778559	7243627	1482346	---	---	---	1,26	up
5778571	7282927	1580004	---	---	---	1,05	up
5778622	7253088	1505123	---	---	---	1,22	up
5778649	7181105	1327967	---	---	---	1,28	down
5778665	7123714	1186430	---	---	---	1,25	down
5778670	7168309	1295348	---	---	---	1,49	down
5778755	7333333	1703398	---	---	---	1,64	up
5778898	7264653	1534024	---	---	---	1,42	down
5778940	7207093	1392094	---	---	---	1,07	up
5778944	7321029	1674808	---	---	---	1,82	down
5778950	7056333	1023701	---	---	---	1,21	down
5778954	7257976	1517706	---	---	---	1,20	down
5778976	7285530	1585970	---	---	---	1,10	down
5779135	7351953	1749858	---	---	---	1,34	down
5779160	7308679	1644252	---	---	---	1,60	up
5779170	7091954	1107726	---	---	---	1,14	up
5779188	7294911	1608528	---	---	---	1,18	up
5779219	7168979	1297179	---	---	---	1,02	down
5779234	7255687	1511772	---	---	---	1,35	up
5779390	7097827	1122036	---	---	---	1,03	down
5779398	7030144	960896	---	---	---	1,69	down
5779557	7233513	1457171	---	---	---	1,01	down
5779560	7105814	1141774	---	---	---	1,02	up
5779585	7363674	1778440	---	---	---	1,06	down

5779646	7330731	1697197	---	---	---	1,25	down
5779670	7189404	1348195	---	---	---	1,23	down
5779728	7140365	1226790	---	---	---	1,06	up
5779779	7069721	1055290	---	---	---	1,13	up
5779833	7156170	1266229	---	---	---	1,08	up
5779877	7169550	1298364	---	---	---	1,51	down
5779888	7367969	1789104	---	---	---	1,99	down
5779931	7093219	1110682	---	---	---	1,10	down
5779967	7139708	1225056	---	---	---	1,40	up
5779990	7063873	1040647	---	---	---	1,31	down
5780009	7093806	1112166	---	---	---	3,24	down
5780010	7148741	1247840	---	---	---	1,19	up
5780020	7339387	1718394	---	---	---	2,83	down
5780027	7288077	1591995	---	---	---	1,04	up
5780196	7217747	1417490	---	---	---	1,13	down
5780304	7298920	1618823	---	---	---	1,16	down
5780317	7167063	1291900	---	---	---	1,46	down
5780507	7374790	1808777	---	---	---	1,50	down
5780532	7155866	1265340	---	---	---	2,16	down
5780554	7231533	1451502	---	---	---	1,03	up
5780569	7192902	1357765	---	---	---	2,31	down
5780584	7309646	1646496	---	---	---	1,03	up
5780606	7308679	1644239	---	---	---	1,28	down
5780614	7239939	1473793	---	---	---	1,35	up
5780641	7217679	1417313	---	---	---	1,27	up
5780680	7166867	1291287	---	---	---	1,49	up
5780708	7120550	1178685	---	---	---	1,26	up
5780765	7238845	1470743	---	---	---	1,01	up
5780779	7376073	1811709	---	---	---	1,35	up
5780808	7121849	1181806	---	---	---	1,25	up
5780837	7180598	1326326	---	---	---	2,13	down
5780975	7264085	1532719	---	---	---	3,45	down
5780994	7217434	1416375	---	---	---	1,12	up
5781048	7363576	1778176	---	---	---	1,32	up
5781121	7340057	1720332	---	---	---	1,58	up
5781376	7193403	1359197	---	---	---	1,07	down
5781437	7330181	1695709	---	---	---	1,19	down
5781453	7142915	1233113	---	---	---	1,24	up
5781602	7114274	1162812	---	---	---	1,08	down
5781651	7181001	1327618	---	---	---	1,48	down
5781711	7162389	1281188	---	---	---	2,98	up
5781714	7339379	1718345	---	---	---	1,24	up
5781738	7319055	1669949	---	---	---	1,06	up
5781746	7257038	1515289	---	---	---	1,49	up
5781775	7029078	958874	---	---	---	1,11	up
5781783	7264808	1534467	---	---	---	1,08	up
5781933	7364346	1779965	---	---	---	1,15	down
5781960	7127540	1195292	---	---	---	1,33	down
5782113	7156052	1265773	---	---	---	1,01	down
5782163	7269763	1546532	---	---	---	1,20	up
5782164	7172373	1305564	---	---	---	2,86	up
5782285	7115507	1165978	---	---	---	1,01	up
5782413	7202837	1382285	---	---	---	1,03	down
5782486	7034293	971862	---	---	---	1,15	down
5782504	7367994	1789255	---	---	---	1,35	down
5782521	7034356	972161	---	---	---	1,49	up
5782562	7049508	1008561	---	---	---	2,26	down

5782638	7356115	1760115	---	---	---	1,12	down
5782652	7132125	1206605	---	---	---	1,29	down
5782765	7356027	1759985	---	---	---	1,24	up
5782851	7158920	1272510	---	---	---	2,05	up
5782877	7333333	1703398	---	---	---	1,16	down
5782899	7315206	1660023	---	---	---	1,78	down
5782910	7128112	1196528	---	---	---	1,07	down
5783062	7180630	1326454	---	---	---	1,18	up
5783296	7052813	1015912	---	---	---	1,36	up
5783341	7352044	1750011	---	---	---	1,34	up
5783444	7243894	1482954	---	---	---	1,36	down
5783458	7267204	1539856	---	---	---	1,06	down
5783560	7240569	1475514	---	---	---	1,12	down
5783661	7121849	1181811	---	---	---	1,04	up
5783666	7228530	1443787	---	---	---	1,26	down
5783942	7048014	1005632	---	---	---	1,40	up
5783949	7258323	1518471	---	---	---	3,83	down
5783966	7162144	1280506	---	---	---	1,28	down
5783989	7108122	1147386	---	---	---	1,07	down
5784103	7368004	1789336	---	---	---	1,60	up
5784127	7190524	1351175	---	---	---	1,08	up
5784145	7363674	1778414	---	---	---	1,06	down
5784336	7217434	1416441	---	---	---	2,07	down
5784394	7337250	1712738	---	---	---	1,46	up
5784453	7253408	1505942	---	---	---	1,47	up
5784488	7181286	1328469	---	---	---	1,47	up
5784729	7072765	1062731	---	---	---	1,07	down
5784757	7298920	1618820	---	---	---	1,19	down
5784799	7071714	1060360	---	---	---	1,09	down
5784828	7193403	1359194	---	---	---	1,19	down
5784886	7193056	1358269	---	---	---	1,03	down
5784895	7133484	1209937	---	---	---	1,03	up
5784964	7176456	1315828	---	---	---	1,03	up
5784992	7060195	1031960	---	---	---	1,62	down
5785033	7286807	1588846	---	---	---	1,26	down
5785045	7120379	1178328	---	---	---	1,10	up
5785080	7326245	1686394	---	---	---	2,14	up
5785092	7095041	1115184	---	---	---	1,21	down
5785391	7170764	1301466	---	---	---	1,27	up
5785430	7203018	1382642	---	---	---	1,35	down
5785450	7070393	1057217	---	---	---	1,09	down
5785455	7079600	1078632	---	---	---	1,02	down
5785530	7313905	1656847	---	---	---	1,50	down
5785638	7122140	1182704	---	---	---	1,14	down
5785708	7281577	1576888	---	---	---	2,04	up
5785769	7033616	970211	---	---	---	2,31	down
5785770	7146000	1240659	---	---	---	1,05	up
5785819	7197048	1367812	---	---	---	1,38	down
5785865	7071969	1060902	---	---	---	1,34	down
5785879	7231834	1452273	---	---	---	1,02	up
5785937	7148741	1247873	---	---	---	1,03	down
5785989	7243901	1483062	---	---	---	2,19	up
5786004	7321204	1675168	---	---	---	1,06	down
5786009	7091439	1106614	---	---	---	1,01	down
5786038	7168521	1295930	---	---	---	1,26	up
5786047	7070836	1058346	---	---	---	1,12	up
5786049	7297589	1615680	---	---	---	1,19	up

5786052	7120235	1177952	---	---	---	1,24	up
5786211	7127540	1195303	---	---	---	1,26	down
5786315	7193403	1359189	---	---	---	1,01	down
5786325	7267802	1541733	---	---	---	1,07	up
5786434	7279810	1572587	---	---	---	1,79	down
5786496	7235076	1461028	---	---	---	1,48	down
5786512	7148741	1247837	---	---	---	1,21	down
5786514	7112355	1158063	---	---	---	1,01	down
5786650	7203018	1382649	---	---	---	1,00	up
5786696	7343279	1728114	---	---	---	1,32	up
5786764	7363529	1777946	---	---	---	1,71	down
5786782	7260066	1522893	---	---	---	1,28	up
5786807	7317708	1666822	---	---	---	1,18	down
5786888	7180804	1326988	---	---	---	1,63	up
5786895	7360486	1770999	---	---	---	1,37	down
5787087	7237814	1467828	---	---	---	1,19	down
5787179	7349643	1744165	---	---	---	1,02	down
5787185	7115146	1164932	---	---	---	1,10	down
5787199	7247230	1490568	---	---	---	1,10	down
5787217	7240569	1475515	---	---	---	1,11	up
5787234	7068259	1051595	---	---	---	1,11	up
5787240	7305275	1635829	---	---	---	1,47	down
5787256	7183182	1333570	---	---	---	1,35	down
5787288	7123714	1186418	---	---	---	1,07	down
5787351	7102113	1132808	---	---	---	1,62	down
5787484	7199341	1374138	---	---	---	1,06	up
5787521	7148741	1247831	---	---	---	1,07	up
5787541	7374317	1807405	---	---	---	1,28	down
5787566	7073928	1065803	---	---	---	2,45	down
5787601	7073569	1064736	---	---	---	1,02	down
5787627	7186464	1341369	---	---	---	1,77	down
5787702	7360486	1770941	---	---	---	1,10	down
5787826	7237346	1466592	---	---	---	1,00	up
5787860	7192914	1357831	---	---	---	1,26	down
5787910	7197056	1367842	---	---	---	1,13	down
5787946	7141061	1228644	---	---	---	1,08	down
5787953	7244288	1484128	---	---	---	1,48	down
5788093	7259221	1520633	---	---	---	1,07	down
5788113	7069253	1054155	---	---	---	1,11	up
5788142	7301900	1626743	---	---	---	1,07	down
5788143	7067670	1050324	---	---	---	2,94	up
5788168	7198087	1370678	---	---	---	1,40	up
5788176	7118356	1173203	---	---	---	1,03	down
5788362	7257893	1517482	---	---	---	1,59	down
5788372	7318286	1668328	---	---	---	1,22	up
5788399	7139708	1225064	---	---	---	1,03	up
5788408	7238115	1468638	---	---	---	1,20	up
5788623	7181442	1328882	---	---	---	1,82	down
5788826	7181001	1327592	---	---	---	1,07	up
5788879	7225543	1435913	---	---	---	1,01	down
5788997	7059584	1030542	---	---	---	1,02	up
5789015	7195680	1364898	---	---	---	1,04	down
5789135	7041584	989452	---	---	---	1,05	down
5789208	7127540	1195295	---	---	---	1,42	up
5789216	7253358	1505835	---	---	---	1,62	down
5789379	7097485	1120948	---	---	---	1,21	up
5789434	7373633	1805707	---	---	---	1,32	up

5789453	7329846	1694992	---	---	---	1,68	down
5789482	7292701	1602957	---	---	---	1,10	down
5789521	7038530	981859	---	---	---	1,06	down
5789647	7058149	1027257	---	---	---	1,26	up
5789666	7248790	1494538	---	---	---	1,06	up
5789720	7325643	1685180	---	---	---	1,06	down
5789740	7092549	1109136	---	---	---	1,10	down
5789778	7316054	1662299	---	---	---	1,48	up
5789999	7358859	1766965	---	---	---	1,70	up
5790204	7368912	1792632	---	---	---	1,02	down
5790226	7297589	1615620	---	---	---	1,09	down
5790276	7252877	1504696	---	---	---	1,32	down
5790292	7027386	955066	---	---	---	1,33	up
5790628	7231152	1450271	---	---	---	1,80	up
5790666	7339834	1719547	---	---	---	1,11	down
5790718	7155882	1265361	---	---	---	1,09	down
5790728	7146093	1240987	---	---	---	1,29	up
5790738	7231152	1450258	---	---	---	1,26	up
5790794	7039821	985069	---	---	---	1,64	down
5790801	7089080	1101171	---	---	---	1,27	up
5790904	7185355	1338694	---	---	---	1,04	down
5790996	7318139	1668075	---	---	---	1,02	up
5791007	7265259	1535437	---	---	---	1,17	down
5791025	7330238	1695962	---	---	---	1,05	down
5791039	7087282	1096169	---	---	---	1,06	up
5791058	7169599	1298451	---	---	---	1,03	up
5791406	7117813	1171723	---	---	---	1,09	down
5791625	7088723	1100139	---	---	---	1,39	up
5791631	7092549	1109188	---	---	---	1,49	up
5791705	7071292	1059447	---	---	---	1,11	down
5791738	7274780	1559220	---	---	---	1,24	down
5791812	7154655	1262333	---	---	---	1,04	up
5791891	7289075	1594449	---	---	---	1,02	up
5791938	7274780	1559234	---	---	---	1,13	down
5791959	7031774	964772	---	---	---	1,09	up
5791971	7139026	1223499	---	---	---	1,10	down
5792000	7344380	1731115	---	---	---	4,06	up
5792063	7047524	1004663	---	---	---	1,02	down
5792071	7339379	1718359	---	---	---	1,21	down
5792103	7133484	1209935	---	---	---	1,03	up
5792134	7345456	1733793	---	---	---	1,06	up
5792201	7292364	1602104	---	---	---	1,36	up
5792205	7071292	1059448	---	---	---	1,32	up
5792278	7210387	1400038	---	---	---	1,01	down
5792399	7317204	1665390	---	---	---	1,25	up
5792492	7208784	1396108	---	---	---	1,18	down
5792525	7181001	1327600	---	---	---	1,07	down
5792583	7248790	1494498	---	---	---	1,50	up
5792697	7069253	1054166	---	---	---	3,35	up
5792753	7131876	1206046	---	---	---	1,53	up
5792813	7345465	1733842	---	---	---	1,24	up
5793020	7376566	1812888	---	---	---	1,83	up
5793029	7358859	1767017	---	---	---	1,14	down
5793105	7292517	1602546	---	---	---	1,27	down
5793107	7093296	1110938	---	---	---	1,41	down
5793160	7373038	1804283	---	---	---	1,70	down
5793263	7374790	1808765	---	---	---	1,36	down

5793332	7086966	1095287	---	---	---	1,91	up
5793441	7282927	1579979	---	---	---	1,06	down
5793647	7047524	1004656	---	---	---	1,37	down
5793688	7121849	1181784	---	---	---	1,24	down
5793766	7093255	1110769	---	---	---	1,02	up
5793801	7307473	1641293	---	---	---	1,04	down
5793891	7143381	1234496	---	---	---	1,38	up
5794000	7088135	1098419	---	---	---	1,04	down
5794100	7210263	1399752	---	---	---	1,57	down
5794110	7052813	1015942	---	---	---	1,24	down
5794161	7040442	986575	---	---	---	1,29	down
5794181	7358859	1766976	---	---	---	1,01	down
5794187	7246518	1489046	---	---	---	1,35	up
5794311	7232615	1454352	---	---	---	1,31	up
5794438	7193403	1359193	---	---	---	1,03	up
5794604	7132125	1206614	---	---	---	1,00	up
5794605	7103782	1136947	---	---	---	1,06	up
5794635	7363674	1778411	---	---	---	1,05	up
5794702	7191866	1354900	---	---	---	1,42	up
5794745	7352635	1751445	---	---	---	1,05	down
5794850	7243901	1483045	---	---	---	1,22	up
5794958	7249019	1495082	---	---	---	2,03	up
5795067	7059020	1029335	---	---	---	1,66	down
5795279	7198210	1370964	---	---	---	1,04	up
5795373	7243901	1483061	---	---	---	1,21	down
5795428	7324071	1681459	---	---	---	1,42	down
5795478	7122140	1182731	---	---	---	1,16	up
5795531	7076236	1071214	---	---	---	1,03	up
5795557	7139708	1225052	---	---	---	2,01	up
5795631	7043379	993594	---	---	---	1,04	up
5795693	7281924	1577707	---	---	---	1,08	down
5795697	7122140	1182718	---	---	---	1,13	down
5795786	7231484	1451397	---	---	---	1,21	down
5796009	7198210	1371002	---	---	---	1,42	down
5796028	7308679	1644246	---	---	---	3,16	down
5796154	7153136	1258022	---	---	---	1,51	down
5796182	7079236	1077786	---	---	---	1,46	up
5796196	7034356	972174	---	---	---	1,05	down
5796219	7331413	1699139	---	---	---	2,09	down
5796266	7337425	1713152	---	---	---	1,15	up
5796320	7039589	984514	---	---	---	1,32	up
5796332	7160687	1276992	---	---	---	1,68	down
5796346	7181286	1328485	---	---	---	2,73	up
5796415	7145604	1239846	---	---	---	1,19	down
5796428	7297589	1615603	---	---	---	1,36	up
5796452	7197056	1367847	---	---	---	1,34	up
5796456	7350237	1745471	---	---	---	1,20	up
5796458	7095041	1115190	---	---	---	2,38	up
5796462	7261580	1526811	---	---	---	1,10	down
5796477	7279593	1572089	---	---	---	1,11	down
5796512	7340304	1720853	---	---	---	1,05	up
5796558	7112355	1158073	---	---	---	1,76	down
5796630	7093806	1112166	---	---	---	2,87	down
5796719	7366749	1785512	---	---	---	1,44	up
5796781	7070668	1057932	---	---	---	1,01	down
5796843	7101206	1130458	---	---	---	1,34	up
5796857	7071714	1060351	---	---	---	1,13	up

5796903	7240569	1475461	---	---	---	1,11	down
5797076	7263805	1532179	---	---	---	1,09	down
5797147	7384179	1829797	---	---	---	1,58	down
5797182	7358048	1764796	---	---	---	1,13	down
5797246	7253408	1505953	---	---	---	1,03	down
5797312	7346229	1735598	---	---	---	1,29	down
5797360	7363529	1777893	---	---	---	1,45	up
5797376	7041584	989453	---	---	---	1,00	down
5797421	7154655	1262313	---	---	---	1,14	up
5797445	7211363	1402045	---	---	---	1,31	down
5797525	7099573	1126728	---	---	---	1,11	down
5797595	7122140	1182703	---	---	---	1,23	up
5797607	7152974	1257659	---	---	---	1,14	up
5797624	7339286	1718105	---	---	---	1,55	up
5797628	7344406	1731239	---	---	---	1,21	up
5797647	7217434	1416408	---	---	---	1,15	down
5797810	7058713	1028670	---	---	---	1,03	up
5797881	7238202	1468952	---	---	---	1,12	down
5797986	7176275	1315333	---	---	---	1,18	down
5798009	7280982	1575197	---	---	---	1,06	up
5798265	7095041	1115164	---	---	---	1,09	up
5798275	7115507	1165973	---	---	---	1,38	down
5798287	7356115	1760137	---	---	---	1,76	down
5798294	7046605	1002431	---	---	---	1,38	up
5798303	7229856	1447074	---	---	---	1,02	down
5798392	7236358	1464262	---	---	---	1,06	up
5798426	7374313	1807385	---	---	---	1,03	down
5798427	7235069	1460979	---	---	---	1,13	down
5798429	7070836	1058330	---	---	---	1,01	up
5798438	7217434	1416397	---	---	---	1,12	up
5798528	7025670	950410	---	---	---	1,01	up
5798545	7278010	1568041	---	---	---	1,17	down
5798551	7217650	1417191	---	---	---	1,26	down
5798573	7368555	1791238	---	---	---	1,45	down
5798666	7231152	1450269	---	---	---	3,38	up
5798673	7260553	1524109	---	---	---	1,35	down
5798902	7146872	1242903	---	---	---	1,07	up
5798909	7198210	1370961	---	---	---	1,08	down
5799069	7143455	1234714	---	---	---	1,27	down
5799109	7305275	1635848	---	---	---	1,33	up
5799214	7198210	1370997	---	---	---	1,04	up
5799244	7140365	1226782	---	---	---	1,02	down
5799268	7213294	1406092	---	---	---	1,13	up
5799270	7095021	1115129	---	---	---	1,46	up
5799344	7194356	1361630	---	---	---	1,23	down
5799358	7040442	986499	---	---	---	2,36	up
5799391	7350530	1746234	---	---	---	2,28	down
5799438	7374740	1808618	---	---	---	1,18	up
5799439	7307473	1641293	---	---	---	1,21	up
5799472	7122805	1184247	---	---	---	1,98	up
5799486	7302787	1628875	---	---	---	1,05	down
5799501	7331757	1700017	---	---	---	1,19	up
5799576	7240569	1475457	---	---	---	1,37	down
5799584	7259923	1522531	---	---	---	1,05	up
5799710	7200129	1375996	---	---	---	1,66	down
5799719	7197056	1367844	---	---	---	1,34	up
5799947	7253215	1505369	---	---	---	1,30	down

5799977	7373633	1805708	---	---	---	1,15	up
5800014	7093296	1110983	---	---	---	3,25	up
5800054	7207093	1392123	---	---	---	1,23	down
5800143	7190242	1350307	---	---	---	1,36	up
5800238	7173640	1308966	---	---	---	1,00	down
5800405	7247954	1492358	---	---	---	1,29	up
5800414	7358623	1766290	---	---	---	1,20	down
5800447	7320735	1674130	---	---	---	1,34	down
5800463	7248790	1494501	---	---	---	1,39	down
5800483	7108434	1148317	---	---	---	1,23	down
5800571	7247907	1492242	---	---	---	1,00	up
5800581	7120379	1178332	---	---	---	1,18	down
5800901	7244287	1484057	---	---	---	1,33	down
5801115	7182056	1330597	---	---	---	1,19	down
5801250	7356619	1761348	---	---	---	1,21	down
5801269	7098810	1124656	---	---	---	1,25	down
5801294	7341243	1723231	---	---	---	1,28	down
5801337	7086966	1095292	---	---	---	2,07	up
5801359	7350489	1746112	---	---	---	1,21	down
5801538	7341375	1723552	---	---	---	1,27	down
5801602	7050716	1011232	---	---	---	1,09	up
5801629	7331757	1700023	---	---	---	1,29	down
5801660	7222236	1428119	---	---	---	1,17	up
5801666	7374324	1807498	---	---	---	1,15	down
5801700	7031774	964706	---	---	---	1,34	up
5801729	7356115	1760134	---	---	---	1,00	down
5801733	7228520	1443769	---	---	---	2,31	down
5801788	7050167	1009818	---	---	---	1,05	down
5801819	7117526	1171002	---	---	---	2,10	up
5801911	7213294	1406094	---	---	---	1,09	down
5801913	7336449	1710627	---	---	---	1,25	up
5801995	7093936	1112474	---	---	---	1,46	down
5802041	7197400	1368814	---	---	---	1,20	up
5802094	7209927	1398942	---	---	---	1,02	up
5802097	7148978	1248500	---	---	---	1,02	up
5802098	7212587	1404647	---	---	---	1,17	down
5802149	7147204	1243775	---	---	---	1,17	up
5802189	7257976	1517705	---	---	---	1,31	up
5802235	7363674	1778441	---	---	---	1,20	down
5802273	7343250	1728042	---	---	---	1,32	down
5802278	7092549	1109160	---	---	---	1,07	up
5802288	7363529	1777945	---	---	---	1,07	down
5802340	7344406	1731195	---	---	---	1,11	down
5802509	7092549	1109148	---	---	---	1,01	down
5802657	7070836	1058360	---	---	---	1,04	up
5802666	7282927	1579979	---	---	---	1,22	up
5802670	7084500	1089709	---	---	---	1,13	up
5802711	7291032	1599338	---	---	---	1,07	down
5802992	7171091	1302461	---	---	---	1,15	down
5802995	7264745	1534279	---	---	---	1,48	down
5803046	7339379	1718317	---	---	---	1,13	up
5803049	7208436	1395315	---	---	---	1,26	up
5803132	7106752	1144055	---	---	---	1,18	down
5803261	7281924	1577725	---	---	---	1,02	up
5803265	7247907	1492243	---	---	---	1,04	down
5803309	7248790	1494514	---	---	---	1,65	up
5803366	7185483	1338940	---	---	---	1,13	up

5803370	7337250	1712739	---	---	---	1,17	up
5803444	7214605	1409396	---	---	---	1,39	up
5803537	7131550	1205557	---	---	---	1,06	up
5803713	7173640	1308964	---	---	---	1,09	up
5803838	7259923	1522529	---	---	---	1,04	up
5803906	7060896	1033557	---	---	---	1,17	down
5803938	7337425	1713212	---	---	---	1,05	up
5804176	7267802	1541833	---	---	---	1,15	down
5804187	7313538	1655732	---	---	---	1,17	down
5804250	7314270	1657740	---	---	---	1,21	down
5804271	7350489	1746117	---	---	---	1,05	up
5804371	7093255	1110764	---	---	---	1,02	up
5804384	7282343	1578664	---	---	---	1,02	down
5804415	7058507	1028324	---	---	---	1,12	down
5804421	7301198	1624760	---	---	---	2,18	up
5804446	7239939	1473796	---	---	---	1,28	up
5804601	7126658	1193137	---	---	---	2,07	up
5804624	7186305	1341000	---	---	---	1,16	up
5804778	7358859	1766985	---	---	---	1,07	down
5804978	7247005	1490119	---	---	---	1,00	up
5805015	7097240	1120364	---	---	---	1,18	down
5805057	7040442	986501	---	---	---	1,34	down
5805068	7337224	1712604	---	---	---	1,23	down
5805121	7365183	1781916	---	---	---	1,08	down
5805138	7044988	998462	---	---	---	1,00	up
5805145	7075790	1069994	---	---	---	1,01	down
5805154	7231484	1451387	---	---	---	1,23	up
5805156	7341243	1723211	---	---	---	2,14	down
5805164	7142917	1233171	---	---	---	1,02	down
5805287	7384179	1829774	---	---	---	1,09	up
5805313	7277783	1567471	---	---	---	2,01	up
5805322	7052957	1016261	---	---	---	1,32	down
5805510	7194540	1362078	---	---	---	1,15	down
5805520	7235069	1460968	---	---	---	1,19	down
5805589	7212735	1405024	---	---	---	1,19	down
5805698	7055793	1022332	---	---	---	1,11	up
5805737	7127540	1195271	---	---	---	1,29	up
5805769	7374324	1807483	---	---	---	1,07	down
5805787	7064134	1041446	---	---	---	1,16	down
5805841	7095021	1115119	---	---	---	1,02	down
5805857	7233178	1455897	---	---	---	1,61	down
5805876	7148741	1247832	---	---	---	1,03	down
5805940	7308679	1644254	---	---	---	2,62	down
5805952	7078143	1075436	---	---	---	1,27	down
5806018	7156052	1265743	---	---	---	2,46	up
5806026	7217434	1416403	---	---	---	1,03	up
5806039	7259925	1522548	---	---	---	1,34	up
5806053	7031774	964751	---	---	---	1,29	down
5806055	7274780	1559254	---	---	---	1,83	down
5806110	7166867	1291293	---	---	---	1,14	up
5806128	7186240	1340822	---	---	---	1,33	up
5806133	7031774	964761	---	---	---	1,14	down
5806145	7039223	983553	---	---	---	1,69	up
5806233	7346066	1735320	---	---	---	1,18	down
5806237	7122140	1182721	---	---	---	1,11	up
5806268	7303722	1631711	---	---	---	1,25	down
5806331	7039463	984254	---	---	---	1,92	down

5806340	7181560	1329363	---	---	---	1,47	down
5806377	7356115	1760127	---	---	---	1,00	up
5806410	7057462	1025863	---	---	---	1,26	down
5806420	7184981	1337850	---	---	---	1,06	down
5806526	7309734	1646885	---	---	---	1,01	up
5806551	7071648	1060192	---	---	---	1,08	up
5806611	7127540	1195293	---	---	---	1,01	up
5806634	7062233	1037244	---	---	---	1,07	down
5806786	7319609	1671208	---	---	---	2,03	up
5806846	7247230	1490587	---	---	---	1,03	down
5806870	7148741	1247883	---	---	---	1,02	up
5806877	7158920	1272523	---	---	---	1,39	up
5806899	7147809	1245456	---	---	---	1,19	up
5807054	7302787	1628896	---	---	---	1,51	down
5807111	7308262	1643179	---	---	---	1,26	down
5807129	7292517	1602533	---	---	---	2,26	down
5807238	7034356	972157	---	---	---	1,10	up
5807251	7261580	1526788	---	---	---	1,46	down
5807403	7087965	1098046	---	---	---	1,12	down
5807419	7142081	1230989	---	---	---	1,48	down
5807459	7282927	1579983	---	---	---	1,40	up
5807496	7364346	1779971	---	---	---	1,25	up
5807502	7099573	1126730	---	---	---	1,21	up
5807573	7339379	1718350	---	---	---	1,56	down
5807677	7028624	957997	---	---	---	1,30	up
5807733	7059309	1029911	---	---	---	1,30	down
5807751	7244287	1484088	---	---	---	1,67	up
5807760	7040442	986485	---	---	---	1,33	down
5807768	7329135	1693500	---	---	---	1,29	up
5807795	7056333	1023671	---	---	---	1,17	down
5807825	7344406	1731188	---	---	---	1,28	down
5807879	7110401	1153090	---	---	---	1,40	down
5807905	7225543	1435928	---	---	---	1,18	up
5808005	7326245	1686397	---	---	---	1,05	down
5808091	7318139	1668076	---	---	---	1,10	down
5808111	7235840	1462999	---	---	---	1,01	up
5808199	7267344	1540263	---	---	---	1,05	down
5808257	7162144	1280496	---	---	---	1,00	down
5808290	7280743	1574540	---	---	---	1,65	up
5808321	7118356	1173203	---	---	---	1,04	down
5808463	7208784	1396110	---	---	---	1,47	up
5808524	7344380	1731125	---	---	---	1,15	down
5808540	7210263	1399752	---	---	---	1,98	up
5808605	7068259	1051606	---	---	---	1,59	down
5808636	7171091	1302466	---	---	---	1,26	up
5808716	7231557	1451570	---	---	---	1,01	down
5808823	7377116	1814073	---	---	---	1,12	up
5808985	7091954	1107732	---	---	---	1,16	up
5808997	7148741	1247859	---	---	---	1,20	up
5809036	7298101	1616977	---	---	---	1,32	down
5809065	7353614	1753732	---	---	---	1,52	down
5809115	7355138	1757854	---	---	---	1,00	up
5809135	7373678	1805862	---	---	---	1,54	up
5809142	7132125	1206619	---	---	---	1,11	down
5809209	7068942	1053388	---	---	---	1,00	up
5809218	7355044	1757451	---	---	---	1,52	up
5809219	7355044	1757440	---	---	---	1,11	up

5809364	7350993	1747542	---	---	---	1,03	up
5809445	7371753	1800976	---	---	---	1,05	up
5809451	7166867	1291346	---	---	---	1,05	down
5809588	7068259	1051654	---	---	---	1,23	up
5809598	7247334	1490820	---	---	---	1,11	up
5809606	7279810	1572588	---	---	---	1,02	up
5809662	7123714	1186419	---	---	---	2,30	up
5809665	7365147	1781782	---	---	---	2,04	down
5809672	7313841	1656714	---	---	---	1,24	up
5809678	7029081	958890	---	---	---	1,20	down
5809722	7237814	1467844	---	---	---	1,12	down
5809805	7288077	1592015	---	---	---	1,44	up
5809867	7079600	1078633	---	---	---	1,44	down
5810040	7339387	1718381	---	---	---	2,02	up
5810054	7193056	1358250	---	---	---	1,26	up
5810061	7092549	1109187	---	---	---	1,03	up
5810072	7319151	1670133	---	---	---	1,01	down
5810255	7108434	1148310	---	---	---	1,41	up
5810274	7092549	1109171	---	---	---	1,22	down
5810360	7358048	1764808	---	---	---	1,57	down
5810522	7380497	1821859	---	---	---	1,07	up
5810588	7361042	1772277	---	---	---	1,12	up
5810624	7041609	989585	---	---	---	1,08	up
5810652	7061703	1035736	---	---	---	1,06	down
5810659	7047524	1004666	---	---	---	1,43	down
5810698	7350993	1747536	---	---	---	2,13	up
5810708	7326271	1686479	---	---	---	1,12	down
5810728	7263805	1532197	---	---	---	1,22	up
5810844	7205750	1389049	---	---	---	1,56	down
5810857	7280743	1574536	---	---	---	1,53	up
5810922	7068942	1053385	---	---	---	1,03	down
5811004	7261580	1526767	---	---	---	1,25	down
5811119	7203018	1382650	---	---	---	1,13	up
5811194	7376206	1811981	---	---	---	1,21	down
5811213	7339379	1718358	---	---	---	1,09	up
5811301	7177834	1319633	---	---	---	1,28	down
5811453	7308679	1644245	---	---	---	1,66	down
5811505	7207093	1392137	---	---	---	1,15	down
5811518	7052331	1014575	---	---	---	1,19	up
5811546	7052957	1016261	---	---	---	1,08	up
5811571	7377304	1814595	---	---	---	1,56	up
5811597	7318286	1668329	---	---	---	1,71	up
5811619	7180804	1327006	---	---	---	1,03	down
5811677	7128112	1196541	---	---	---	1,18	up
5811681	7336931	1711862	---	---	---	1,02	down
5811687	7027386	955067	---	---	---	1,14	up
5811699	7086522	1093944	---	---	---	1,00	down
5811730	7107321	1145325	---	---	---	1,71	down
5811761	7143455	1234735	---	---	---	1,01	down
5811812	7315571	1661010	---	---	---	2,74	up
5811925	7370415	1796849	---	---	---	2,72	down
5811949	7142081	1230951	---	---	---	1,32	down
5811980	7231484	1451395	---	---	---	1,18	down
5812030	7214605	1409392	---	---	---	1,91	down
5812224	7355138	1757839	---	---	---	1,19	down
5812228	7248790	1494542	---	---	---	1,37	down
5812232	7253358	1505836	---	---	---	1,12	up

5812238	7088544	1099682	---	---	---	1,31	up
5812254	7170764	1301480	---	---	---	1,08	down
5812318	7359453	1768449	---	---	---	1,10	down
5812342	7088625	1099874	---	---	---	1,00	down
5812398	7282927	1580001	---	---	---	1,27	down
5812433	7073569	1064738	---	---	---	1,31	up
5812476	7070511	1057476	---	---	---	1,30	down
5812575	7336854	1711681	---	---	---	1,36	down
5812616	7052957	1016259	---	---	---	1,26	down
5812677	7217434	1416348	---	---	---	1,09	down
5812702	7131718	1205746	---	---	---	1,08	down
5812740	7266778	1538854	---	---	---	2,39	down
5812756	7081487	1082705	---	---	---	1,46	up
5812783	7369939	1795615	---	---	---	1,34	down
5812830	7336039	1709681	---	---	---	1,53	up
5812865	7127540	1195301	---	---	---	1,30	up
5812925	7333462	1703648	---	---	---	1,20	down
5812954	7127257	1194804	---	---	---	1,62	down
5812989	7155765	1265046	---	---	---	1,04	up
5813066	7111361	1155607	---	---	---	1,29	up
5813226	7147204	1243771	---	---	---	2,01	up
5813321	7196803	1367340	---	---	---	1,01	up
5813366	7095041	1115181	---	---	---	1,00	down
5813416	7309738	1646947	---	---	---	2,14	up
5813435	7305275	1635839	---	---	---	1,01	up
5813536	7259925	1522548	---	---	---	1,01	up
5813585	7351953	1749875	---	---	---	2,12	down
5813627	7053874	1018338	---	---	---	1,24	up
5813639	7329846	1694996	---	---	---	2,24	down
5813663	7248790	1494487	---	---	---	1,66	down
5813687	7038530	981879	---	---	---	1,14	up
5813734	7091900	1107631	---	---	---	1,27	down
5813744	7069603	1055049	---	---	---	1,19	down
5813753	7073950	1065939	---	---	---	1,02	down
5813769	7146000	1240658	---	---	---	1,62	down
5813880	7268357	1543403	---	---	---	1,46	up
5813975	7064468	1042366	---	---	---	1,04	down
5813976	7284901	1584793	---	---	---	1,83	up
5814031	7033337	969489	---	---	---	1,08	down
5814205	7344406	1731211	---	---	---	2,02	down
5814445	7363768	1778601	---	---	---	1,08	up
5814463	7039223	983561	---	---	---	1,05	up
5814687	7038179	981265	---	---	---	2,18	down
5814699	7030549	961801	---	---	---	1,01	up
5814735	7230886	1449547	---	---	---	1,04	down
5814743	7229856	1447084	---	---	---	1,59	down
5814782	7359361	1768261	---	---	---	1,15	down
5814793	7320735	1674185	---	---	---	1,45	down
5814837	7155624	1264724	---	---	---	1,25	down
5814867	7238414	1469562	---	---	---	2,83	down
5814874	7156372	1266713	---	---	---	1,05	up
5814947	7181001	1327630	---	---	---	1,07	up
5814994	7240224	1474389	---	---	---	1,12	up
5815020	7208710	1395899	---	---	---	1,12	up
5815184	7192914	1357821	---	---	---	1,99	up
5815219	7040442	986524	---	---	---	1,98	down
5815246	7384509	1830745	---	---	---	1,51	up

5815260	7031774	964699	---	---	---	1,58	up
5815371	7108434	1148320	---	---	---	2,34	up
5815384	7373634	1805724	---	---	---	1,56	up
5815415	7060896	1033564	---	---	---	1,41	up
5815448	7072765	1062743	---	---	---	1,35	down
5815477	7368804	1792261	---	---	---	1,02	down
5815484	7148741	1247850	---	---	---	1,01	up
5815611	7374090	1806805	---	---	---	1,78	up
5815640	7279303	1571206	---	---	---	2,39	down
5815685	7378878	1818324	---	---	---	1,77	down
5815751	7264274	1533172	---	---	---	1,05	up
5815760	7191888	1354943	---	---	---	1,03	up
5815776	7162144	1280507	---	---	---	1,27	up
5815875	7353232	1752770	---	---	---	1,10	down
5815885	7374324	1807475	---	---	---	1,11	down
5816064	7118234	1172821	---	---	---	1,07	up
5816172	7294911	1608526	---	---	---	1,36	down
5816191	7250511	1498641	---	---	---	1,17	down
5816267	7173640	1308961	---	---	---	1,13	up
5816337	7258323	1518477	---	---	---	5,33	down
5816373	7350489	1746123	---	---	---	1,04	down
5816374	7366749	1785529	---	---	---	1,33	up
5816468	7064468	1042370	---	---	---	1,06	down
5816534	7193513	1359467	---	---	---	1,17	up
5816587	7350993	1747544	---	---	---	1,70	down
5816604	7030037	960717	---	---	---	1,11	down
5816664	7068259	1051609	---	---	---	1,34	up
5816747	7342430	1726155	---	---	---	1,26	down
5816780	7350993	1747524	---	---	---	1,09	up
5816804	7139824	1225319	---	---	---	2,11	down
5816825	7180687	1326630	---	---	---	1,07	up
5816894	7373633	1805707	---	---	---	1,14	up
5816982	7214605	1409369	---	---	---	1,09	up
5817022	7075445	1069344	---	---	---	1,43	up
5817056	7041140	988291	---	---	---	1,09	down
5817084	7344380	1731117	---	---	---	1,82	up
5817100	7200152	1376052	---	---	---	1,21	up
5817157	7198210	1370980	---	---	---	1,30	up
5817291	7329846	1694991	---	---	---	1,39	up
5817402	7361223	1772629	---	---	---	1,12	down
5817458	7093255	1110763	---	---	---	1,28	down
5817525	7332059	1700725	---	---	---	1,26	down
5817573	7294911	1608529	---	---	---	1,12	down
5817929	7261580	1526805	---	---	---	1,01	up
5818010	7031774	964724	---	---	---	1,38	up
5818128	7259221	1520627	---	---	---	1,32	up
5818188	7337425	1713143	---	---	---	1,12	up
5818384	7059962	1031403	---	---	---	1,10	down
5818435	7196769	1367266	---	---	---	1,09	up
5818649	7353232	1752773	---	---	---	1,01	down
5818727	7098077	1122799	---	---	---	1,27	up
5818794	7032618	967333	---	---	---	1,08	up
5818914	7041140	988282	---	---	---	1,29	up
5818931	7203041	1382719	---	---	---	1,55	down
5818948	7181105	1327967	---	---	---	1,46	down
5819002	7377791	1816003	---	---	---	1,39	up
5819007	7072765	1062749	---	---	---	1,03	up

5819021	7381330	1823645	---	---	---	1,38	up
5819083	7217679	1417322	---	---	---	1,20	down
5819229	7274892	1559578	---	---	---	1,24	down
5819233	7034293	971996	---	---	---	1,03	up
5819244	7146093	1240933	---	---	---	1,67	up
5819334	7337224	1712592	---	---	---	1,32	down
5819351	7081810	1083545	---	---	---	1,00	up
5819357	7164949	1286389	---	---	---	2,68	down
5819372	7088625	1099872	---	---	---	1,17	down
5819397	7344702	1732140	---	---	---	1,01	up
5819403	7068987	1053603	---	---	---	1,83	down
5819432	7088489	1099530	---	---	---	1,32	down
5819510	7253408	1505932	---	---	---	2,04	down
5819515	7047524	1004658	---	---	---	1,41	down
5819532	7358859	1766975	---	---	---	1,12	down
5819581	7070836	1058359	---	---	---	1,10	up
5819681	7238115	1468633	---	---	---	1,70	down
5819702	7045955	1000740	---	---	---	1,74	down
5819731	7344530	1731580	---	---	---	1,25	up
5819775	7302327	1627694	---	---	---	1,86	down
5819851	7267344	1540264	---	---	---	1,01	down
5820082	7297274	1614662	---	---	---	1,73	down
5820265	7037235	978574	---	---	---	2,91	up
5820385	7063716	1040125	---	---	---	1,00	down
5820457	7244290	1484146	---	---	---	1,30	down
5820486	7198210	1370998	---	---	---	1,16	up
5820501	7309734	1646899	---	---	---	1,06	up
5820575	7376820	1813413	---	---	---	1,22	up
5820620	7087965	1098049	---	---	---	1,42	down
5820626	7351568	1748825	---	---	---	1,14	down
5820701	7320735	1674156	---	---	---	1,28	down
5820871	7210713	1400752	---	---	---	1,98	up
5821015	7088164	1098476	---	---	---	1,38	up
5821046	7100523	1128845	---	---	---	1,07	up
5821048	7197056	1367847	---	---	---	1,02	down
5821073	7093255	1110758	---	---	---	1,44	down
5821132	7071659	1060234	---	---	---	1,11	down
5821150	7318286	1668337	---	---	---	1,00	down
5821284	7073624	1064915	---	---	---	1,25	down
5821309	7312575	1653361	---	---	---	1,16	up
5821331	7350993	1747501	---	---	---	1,31	down
5821440	7113483	1161014	---	---	---	1,49	up
5821506	7370448	1797043	---	---	---	1,05	up
5821518	7063716	1040125	---	---	---	1,09	up
5821531	7364346	1780019	---	---	---	1,04	up
5821549	7318714	1669238	---	---	---	1,03	down
5821559	7154584	1262108	---	---	---	1,27	down
5821658	7378981	1818552	---	---	---	1,60	up
5821748	7037235	978576	---	---	---	1,05	up
5821757	7122140	1182714	---	---	---	1,07	up
5821816	7052338	1014632	---	---	---	1,14	down
5821845	7202145	1380722	---	---	---	1,30	down
5822080	7110401	1153054	---	---	---	1,16	down
5822092	7088544	1099677	---	---	---	1,12	down
5822105	7086522	1093957	---	---	---	2,44	down
5822121	7276650	1564125	---	---	---	2,10	down
5822123	7367943	1788927	---	---	---	1,05	up

5822158	7377791	1816008	---	---	---	1,17	up
5822184	7069721	1055308	---	---	---	1,05	up
5822392	7373678	1805866	---	---	---	1,02	down
5822517	7194400	1361765	---	---	---	1,24	down
5822661	7172373	1305579	---	---	---	1,22	down
5822771	7176368	1315575	---	---	---	1,04	down
5822772	7073673	1065088	---	---	---	3,24	down
5822862	7361881	1773927	---	---	---	2,14	down
5823054	7142915	1233093	---	---	---	1,29	up
5823114	7067828	1050788	---	---	---	1,18	up
5823148	7221443	1426314	---	---	---	1,60	down
5823157	7115362	1165605	---	---	---	1,22	down
5823220	7075460	1069396	---	---	---	3,38	up
5823318	7378997	1818643	---	---	---	1,05	up
5823359	7179785	1324498	---	---	---	1,00	down
5823481	7248790	1494551	---	---	---	1,25	up
5823497	7233513	1457175	---	---	---	1,26	down
5823504	7032558	967063	---	---	---	2,01	up
5823571	7237814	1467833	---	---	---	1,10	down
5823598	7166867	1291306	---	---	---	1,13	up
5823672	7088164	1098459	---	---	---	2,02	up
5823793	7301900	1626741	---	---	---	1,06	down
5823832	7252339	1503298	---	---	---	1,35	down
5823847	7363529	1777931	---	---	---	1,09	up
5823863	7342430	1726127	---	---	---	1,08	up
5824041	7127540	1195297	---	---	---	1,11	up
5824167	7121849	1181797	---	---	---	2,12	down
5824189	7074164	1066383	---	---	---	2,57	up
5824368	7110401	1153062	---	---	---	1,20	up
5824415	7110999	1154770	---	---	---	1,20	down
5824575	7084500	1089717	---	---	---	1,43	up
5824583	7110999	1154758	---	---	---	1,37	down
5824641	7340057	1720331	---	---	---	1,02	down
5824680	7244287	1484079	---	---	---	1,83	down
5824737	7069830	1055588	---	---	---	1,00	up
5824777	7031774	964726	---	---	---	1,32	up
5824840	7248790	1494510	---	---	---	1,40	up
5824859	7315571	1661011	---	---	---	2,20	up
5825013	7238115	1468582	---	---	---	1,23	up
5825023	7374324	1807488	---	---	---	1,23	down
5825087	7225543	1435916	---	---	---	1,03	up
5825108	7376820	1813398	---	---	---	1,59	up
5825133	7181001	1327619	---	---	---	1,37	up
5825144	7122585	1183683	---	---	---	1,26	up
5825149	7039223	983573	---	---	---	1,56	down
5825217	7278575	1569560	---	---	---	1,07	down
5825258	7225291	1435295	---	---	---	1,19	up
5825332	7052385	1014793	---	---	---	1,03	up
5825388	7040674	987047	---	---	---	2,87	up
5825399	7069464	1054660	---	---	---	1,63	down
5825432	7286807	1588832	---	---	---	1,25	up
5825510	7231484	1451371	---	---	---	1,34	down
5825573	7209811	1398674	---	---	---	1,39	down
5825681	7072748	1062586	---	---	---	1,08	up
5825924	7258455	1518703	---	---	---	1,21	up
5825971	7200545	1376920	---	---	---	2,32	up
5826008	7350237	1745484	---	---	---	1,29	down

5826013	7225543	1435918	---	---	---	1,25	down
5826195	7131876	1206057	---	---	---	1,39	up
5826285	7068504	1052169	---	---	---	1,16	down
5826500	7091962	1107750	---	---	---	1,33	up
5826816	7320735	1674147	---	---	---	1,16	down
5826850	7098810	1124648	---	---	---	1,39	up
5826857	7331413	1699137	---	---	---	1,08	up
5826907	7040442	986471	---	---	---	1,20	down
5826915	7358859	1767013	---	---	---	1,94	up
5826918	7202837	1382284	---	---	---	1,36	up
5826921	7363529	1777979	---	---	---	1,20	down
5827060	7146982	1243295	---	---	---	1,45	up
5827100	7381352	1823744	---	---	---	1,29	down
5827122	7340990	1722508	---	---	---	1,13	up
5827129	7031662	964344	---	---	---	1,07	down
5827143	7240569	1475393	---	---	---	1,30	down
5827395	7371228	1799458	---	---	---	1,17	up
5827426	7138243	1221686	---	---	---	1,37	down
5827463	7204831	1386762	---	---	---	1,01	down
5827534	7313538	1655734	---	---	---	1,08	up
5827656	7360486	1771011	---	---	---	1,06	down
5827798	7049508	1008562	---	---	---	1,16	down
5827833	7063716	1040125	---	---	---	1,11	down
5827916	7113985	1162240	---	---	---	1,18	down
5827920	7302327	1627687	---	---	---	1,07	up
5828036	7158517	1271594	---	---	---	1,20	down
5828038	7180630	1326455	---	---	---	1,32	up
5828039	7330314	1696138	---	---	---	1,10	down
5828253	7071264	1059362	---	---	---	1,87	up
5828254	7326245	1686391	---	---	---	1,44	up
5828273	7231137	1450206	---	---	---	1,21	down
5828285	7281924	1577753	---	---	---	1,05	up
5828304	7321029	1674832	---	---	---	1,68	up
5828443	7256070	1512585	---	---	---	1,33	down
5828499	7193056	1358271	---	---	---	1,12	up
5828574	7158419	1271375	---	---	---	1,36	up
5828630	7041635	989639	---	---	---	1,40	down
5828731	7067670	1050307	---	---	---	2,42	up
5828776	7337425	1713175	---	---	---	1,22	down
5828841	7035525	974776	---	---	---	1,01	up
5828899	7261019	1525281	---	---	---	2,02	down
5829021	7153136	1258051	---	---	---	1,02	up
5829392	7070869	1058470	---	---	---	1,18	up
5829431	7204831	1386774	---	---	---	1,11	down
5829455	7239752	1473177	---	---	---	1,14	down
5829510	7233524	1457220	---	---	---	1,13	up
5829521	7056333	1023676	---	---	---	1,09	down
5829524	7088544	1099699	---	---	---	1,02	up
5829687	7243894	1482952	---	---	---	1,41	down
5829880	7260066	1522899	---	---	---	2,18	down
5829926	7227433	1440994	---	---	---	1,12	up
5829936	7289879	1596420	---	---	---	1,05	down
5829942	7081487	1082708	---	---	---	2,10	down
5830008	7364346	1779994	---	---	---	1,05	down
5830271	7039589	984512	---	---	---	1,22	up
5830279	7168521	1295977	---	---	---	1,18	down
5830315	7237814	1467843	---	---	---	1,23	up

5830346	7069721	1055286	---	---	---	1,07	up
5830573	7360486	1770967	---	---	---	1,02	up
5830577	7345456	1733793	---	---	---	2,69	down
5830787	7242451	1479338	---	---	---	2,17	down
5830851	7158419	1271426	---	---	---	1,21	down
5830863	7162144	1280515	---	---	---	1,26	up
5830869	7336837	1711619	---	---	---	1,37	down
5830995	7358859	1766973	---	---	---	1,25	down
5831118	7038530	981871	---	---	---	1,02	up
5831123	7248790	1494489	---	---	---	1,23	up
5831221	7225543	1435917	---	---	---	1,01	down
5831306	7376073	1811725	---	---	---	1,26	up
5831355	7333462	1703638	---	---	---	1,04	down
5831489	7041609	989574	---	---	---	1,18	down
5831542	7122805	1184248	---	---	---	1,25	up
5831572	7382499	1826256	---	---	---	1,05	up
5831594	7068259	1051592	---	---	---	1,37	up
5831596	7032204	966120	---	---	---	1,03	down
5831638	7073950	1065905	---	---	---	1,07	up
5831707	7058149	1027259	---	---	---	1,18	up
5831709	7092549	1109134	---	---	---	1,19	up
5831880	7053874	1018311	---	---	---	1,10	up
5831954	7064468	1042334	---	---	---	1,25	down
5831989	7159036	1272969	---	---	---	1,02	down
5832051	7373633	1805703	---	---	---	1,27	down
5832114	7116103	1167596	---	---	---	3,52	up
5832202	7252877	1504706	---	---	---	1,37	down
5832205	7149994	1250637	---	---	---	1,14	down
5832233	7240569	1475464	---	---	---	1,08	up
5832281	7312465	1653049	---	---	---	1,30	up
5832330	7359426	1768372	---	---	---	1,70	up
5832370	7079238	1077807	---	---	---	1,32	down
5832378	7367980	1789176	---	---	---	1,79	up
5832395	7089080	1101152	---	---	---	1,07	down
5832472	7029770	960153	---	---	---	1,20	down
5832530	7350237	1745475	---	---	---	1,13	down
5832615	7274780	1559245	---	---	---	1,39	down
5832620	7281924	1577716	---	---	---	1,30	down
5832624	7069603	1055038	---	---	---	1,11	down
5832630	7225543	1435920	---	---	---	1,47	down
5832689	7144782	1237778	---	---	---	1,71	down
5832693	7093806	1112149	---	---	---	2,09	down
5832708	7148741	1247861	---	---	---	1,02	down
5832731	7095066	1115267	---	---	---	1,20	down
5832758	7172373	1305587	---	---	---	1,28	up
5833001	7229856	1447072	---	---	---	1,33	down
5833055	7346687	1736688	---	---	---	1,10	up
5833112	7094139	1112921	---	---	---	1,26	down
5833184	7123421	1185828	---	---	---	1,18	down
5833304	7243647	1482418	---	---	---	1,36	down
5833324	7320998	1674713	---	---	---	1,20	down
5833365	7107926	1146838	---	---	---	1,04	down
5833520	7186688	1341848	---	---	---	1,33	down
5833611	7337522	1713618	---	---	---	1,61	down
5833618	7031774	964692	---	---	---	1,60	up
5833720	7317708	1666824	---	---	---	1,15	up
5833746	7345465	1733864	---	---	---	2,52	up

5833813	7217434	1416361	---	---	---	1,09	down
5833866	7350993	1747496	---	---	---	1,89	up
5833880	7320735	1674187	---	---	---	1,03	down
5833935	7189669	1348964	---	---	---	1,67	down
5834028	7306330	1638516	---	---	---	1,04	up
5834118	7120671	1178997	---	---	---	1,20	down
5834307	7337522	1713593	---	---	---	2,07	down
5834354	7217650	1417185	---	---	---	1,01	up
5834368	7030037	960707	---	---	---	1,02	down
5834465	7239752	1473190	---	---	---	1,46	down
5834479	7245874	1487596	---	---	---	1,28	up
5834514	7127691	1195631	---	---	---	1,57	down
5834943	7264808	1534465	---	---	---	1,01	down
5835042	7319259	1670402	---	---	---	1,01	up
5835142	7227433	1440981	---	---	---	1,05	up
5835158	7279194	1571005	---	---	---	1,14	up
5835161	7083031	1086286	---	---	---	1,16	down
5835162	7277783	1567457	---	---	---	1,69	up
5835283	7166867	1291374	---	---	---	1,01	up
5835298	7240569	1475478	---	---	---	1,77	down
5835559	7263248	1530617	---	---	---	1,62	up
5835603	7177834	1319637	---	---	---	2,19	up
5835618	7095041	1115166	---	---	---	1,34	up
5835650	7221443	1426317	---	---	---	1,08	down
5835653	7288170	1592378	---	---	---	1,04	down
5835722	7059584	1030547	---	---	---	1,11	down
5835728	7128112	1196541	---	---	---	1,14	up
5835760	7236358	1464221	---	---	---	1,05	up
5835774	7055793	1022300	---	---	---	1,10	up
5835913	7102889	1134852	---	---	---	1,17	down
5835915	7172988	1307278	---	---	---	1,25	up
5835971	7156047	1265724	---	---	---	1,61	up
5835992	7243901	1483043	---	---	---	1,38	down
5836010	7280743	1574488	---	---	---	2,09	down
5836046	7208436	1395315	---	---	---	1,21	down
5836159	7351568	1748813	---	---	---	1,06	down
5836161	7189455	1348364	---	---	---	1,59	down
5836192	7035525	974779	---	---	---	1,43	up
5836203	7030037	960708	---	---	---	1,83	up
5836250	7092549	1109141	---	---	---	1,91	down
5836338	7260488	1523922	---	---	---	1,16	down
5836381	7040442	986572	---	---	---	1,78	up
5836435	7281924	1577745	---	---	---	1,13	down
5836488	7312566	1653299	---	---	---	1,46	down
5836542	7082098	1084116	---	---	---	1,50	up
5836704	7083021	1086216	---	---	---	1,08	down
5836815	7252339	1503272	---	---	---	1,05	up
5836998	7115259	1165353	---	---	---	1,41	down
5837107	7384509	1830754	---	---	---	1,23	down
5837128	7066035	1046201	---	---	---	1,03	down
5837151	7086966	1095249	---	---	---	1,15	down
5837180	7259807	1522250	---	---	---	1,11	up
5837298	7318286	1668329	---	---	---	6,05	up
5837514	7243901	1483040	---	---	---	1,03	up
5837541	7217434	1416356	---	---	---	1,06	up
5837574	7279303	1571206	---	---	---	2,20	down
5837586	7056333	1023679	---	---	---	1,48	down

5837618	7335903	1709293	---	---	---	1,10	down
5837630	7031774	964779	---	---	---	1,19	down
5837659	7039589	984514	---	---	---	2,03	up
5837775	7307473	1641277	---	---	---	1,07	up
5837800	7071292	1059427	---	---	---	1,07	up
5837907	7239939	1473795	---	---	---	1,02	down
5838021	7092549	1109209	---	---	---	1,33	up
5838026	7281924	1577754	---	---	---	1,88	down
5838087	7240641	1475773	---	---	---	1,00	up
5838160	7378546	1817601	---	---	---	1,39	down
5838287	7289075	1594460	---	---	---	1,45	up
5838301	7240569	1475386	---	---	---	1,05	down
5838402	7114274	1162813	---	---	---	1,14	up
5838636	7101206	1130460	---	---	---	1,25	down
5838642	7189184	1347597	---	---	---	1,13	down
5838840	7294911	1608530	---	---	---	1,19	down
5838920	7337872	1714437	---	---	---	1,02	down
5838950	7028624	957994	---	---	---	1,06	up
5838953	7368489	1791031	---	---	---	1,00	down
5839131	7244290	1484149	---	---	---	1,21	up
5839202	7260066	1522891	---	---	---	1,45	down
5839260	7168979	1297201	---	---	---	1,17	down
5839342	7073854	1065627	---	---	---	1,24	up
5839383	7142917	1233168	---	---	---	1,02	down
5839440	7210822	1400981	---	---	---	1,21	up
5839443	7245874	1487596	---	---	---	1,48	down
5839467	7088544	1099658	---	---	---	1,02	up
5839503	7068504	1052168	---	---	---	1,36	up
5839524	7321029	1674807	---	---	---	1,60	up
5839547	7344406	1731199	---	---	---	1,17	up
5839565	7162144	1280503	---	---	---	1,11	down
5839581	7321414	1675637	---	---	---	1,04	up
5839586	7368986	1792880	---	---	---	1,77	down
5839609	7193056	1358273	---	---	---	1,21	up
5839615	7131876	1206044	---	---	---	1,25	down
5839620	7103017	1135160	---	---	---	1,57	up
5839635	7154655	1262336	---	---	---	1,16	up
5839651	7083021	1086210	---	---	---	1,30	down
5839718	7277783	1567431	---	---	---	1,32	up
5839770	7200545	1376899	---	---	---	1,16	down
5840010	7314270	1657723	---	---	---	1,11	up
5840019	7166855	1291263	---	---	---	1,02	up
5840083	7366749	1785521	---	---	---	1,77	down
5840140	7378602	1817709	---	---	---	1,82	down
5840253	7172988	1307300	---	---	---	1,65	down
5840298	7056736	1024418	---	---	---	1,22	up
5840360	7069830	1055644	---	---	---	1,66	down
5840362	7326245	1686403	---	---	---	1,04	down
5840374	7369712	1794831	---	---	---	1,32	up
5840493	7350993	1747556	---	---	---	1,01	up
5840532	7053878	1018372	---	---	---	1,05	down
5840660	7318714	1669224	---	---	---	1,53	down
5840683	7059506	1030393	---	---	---	1,22	down
5840758	7318139	1668074	---	---	---	1,44	up
5840798	7256191	1512867	---	---	---	1,23	down
5840822	7039532	984441	---	---	---	1,64	up
5840886	7034293	971907	---	---	---	1,33	down

5841013	7107503	1145800	---	---	---	1,61	up
5841042	7281924	1577740	---	---	---	1,08	down
5841057	7350993	1747502	---	---	---	1,10	up
5841131	7059020	1029346	---	---	---	1,57	up
5841132	7298101	1617053	---	---	---	1,04	down
5841146	7231775	1452134	---	---	---	1,55	down
5841156	7171091	1302448	---	---	---	1,31	down
5841194	7363529	1777933	---	---	---	1,05	up
5841199	7383102	1827391	---	---	---	1,42	up
5841238	7295410	1609793	---	---	---	1,10	up
5841277	7146807	1242815	---	---	---	1,54	down
5841326	7347427	1738681	---	---	---	1,25	up
5841418	7384509	1830743	---	---	---	1,24	down
5841432	7253215	1505367	---	---	---	1,34	down
5841542	7189455	1348337	---	---	---	1,24	up
5841563	7374324	1807460	---	---	---	1,05	down
5841662	7166867	1291312	---	---	---	1,27	up
5841674	7075460	1069391	---	---	---	5,79	up
5841703	7337845	1714352	---	---	---	1,15	down
5841764	7031774	964650	---	---	---	1,14	up
5841828	7384179	1829771	---	---	---	1,05	up
5841830	7279303	1571200	---	---	---	1,68	down
5841961	7115963	1167057	---	---	---	1,18	up
5841963	7240224	1474389	---	---	---	1,10	down
5841965	7244027	1483285	---	---	---	1,04	down
5842250	7117951	1172084	---	---	---	1,19	down
5842285	7156170	1266282	---	---	---	1,23	down
5842389	7034356	972170	---	---	---	1,14	down
5842502	7277719	1567087	---	---	---	1,04	up
5842550	7264653	1534030	---	---	---	1,12	down
5842680	7154535	1261901	---	---	---	1,25	down
5842700	7231484	1451361	---	---	---	1,26	down
5842890	7253215	1505372	---	---	---	1,13	up
5842921	7093255	1110763	---	---	---	1,20	down
5843009	7358048	1764815	---	---	---	1,58	up
5843013	7264797	1534444	---	---	---	1,15	down
5843078	7292869	1603444	---	---	---	1,08	up
5843079	7158920	1272513	---	---	---	1,50	down
5843166	7291828	1600927	---	---	---	1,92	up
5843168	7146542	1242296	---	---	---	2,37	down
5843175	7136746	1217967	---	---	---	1,12	down
5843176	7086966	1095287	---	---	---	2,78	down
5843346	7038530	981885	---	---	---	1,11	down
5843382	7039463	984254	---	---	---	1,36	down
5843391	7256191	1512882	---	---	---	1,30	down
5843563	7087965	1098056	---	---	---	2,48	up
5843877	7268694	1544239	---	---	---	1,41	down
5843908	7364346	1779992	---	---	---	1,04	up
5843915	7330731	1697164	---	---	---	1,01	down
5843979	7083021	1086210	---	---	---	1,30	up
5843992	7286807	1588796	---	---	---	1,03	down
5844074	7244287	1484085	---	---	---	1,37	up
5844093	7340757	1721902	---	---	---	1,04	up
5844115	7119845	1176877	---	---	---	1,03	down
5844131	7179785	1324499	---	---	---	2,19	up
5844140	7247512	1491191	---	---	---	1,10	up
5844423	7370853	1798415	---	---	---	1,60	up

5844454	7317708	1666826	---	---	---	1,36	up
5844487	7100523	1128866	---	---	---	1,37	up
5844508	7364346	1779985	---	---	---	1,07	down
5844591	7229061	1445291	---	---	---	1,23	up
5844605	7217747	1417507	---	---	---	1,18	up
5844637	7366749	1785513	---	---	---	1,20	up
5844641	7038971	982983	---	---	---	2,40	down
5844942	7368986	1792880	---	---	---	1,77	down
5844978	7116023	1167282	---	---	---	1,18	up
5844984	7346066	1735323	---	---	---	2,32	down
5845004	7360486	1771009	---	---	---	1,22	down
5845040	7330314	1696138	---	---	---	1,61	up
5845128	7212735	1405028	---	---	---	1,14	up
5845129	7171549	1303546	---	---	---	1,67	down
5845142	7371682	1800776	---	---	---	1,12	down
5845228	7329846	1694992	---	---	---	1,24	up
5845313	7028624	957998	---	---	---	1,40	down
5845371	7288170	1592299	---	---	---	1,03	up
5845376	7217143	1415592	---	---	---	1,85	down
5845592	7288170	1592302	---	---	---	1,06	up
5845604	7364346	1779968	---	---	---	1,47	down
5845643	7376073	1811693	---	---	---	1,09	up
5845752	7280743	1574516	---	---	---	1,39	down
5845793	7319773	1671876	---	---	---	1,00	up
5845879	7027386	955048	---	---	---	1,04	down
5846002	7317204	1665397	---	---	---	1,13	down
5846039	7380497	1821848	---	---	---	1,70	down
5846051	7245932	1487784	---	---	---	1,42	up
5846071	7337425	1713217	---	---	---	1,21	down
5846085	7326378	1686713	---	---	---	1,29	down
5846199	7081487	1082715	---	---	---	1,89	up
5846244	7180721	1326698	---	---	---	1,31	up
5846288	7069253	1054157	---	---	---	1,24	up
5846371	7253358	1505833	---	---	---	1,09	up
5846412	7341115	1722916	---	---	---	1,53	down
5846455	7237346	1466590	---	---	---	1,46	down
5846463	7246823	1489674	---	---	---	1,29	up
5846690	7237672	1467297	---	---	---	1,13	down
5846698	7253408	1505934	---	---	---	1,12	down
5846950	7365147	1781766	---	---	---	1,04	up
5846966	7303777	1631906	---	---	---	1,01	up
5847032	7352046	1750038	---	---	---	1,27	up
5847037	7132715	1207957	---	---	---	1,28	down
5847058	7378997	1818654	---	---	---	1,17	down
5847082	7217434	1416343	---	---	---	1,14	up
5847264	7128921	1198506	---	---	---	1,11	down
5847276	7358048	1764799	---	---	---	1,11	up
5847287	7148978	1248452	---	---	---	1,64	up
5847323	7180630	1326455	---	---	---	1,37	up
5847392	7176456	1315798	---	---	---	1,22	down
5847510	7028326	957437	---	---	---	1,28	up
5847582	7069464	1054665	---	---	---	1,23	up
5847598	7229061	1445290	---	---	---	1,42	down
5847602	7050716	1011221	---	---	---	1,18	up
5847603	7055793	1022322	---	---	---	1,00	up
5847708	7339379	1718361	---	---	---	1,30	down
5847738	7173640	1308969	---	---	---	1,14	up

5847754	7308262	1643189	---	---	---	1,37	down
5847834	7050878	1011549	---	---	---	1,13	down
5847845	7168521	1295963	---	---	---	1,30	down
5847938	7170764	1301484	---	---	---	1,23	down
5847952	7168521	1295952	---	---	---	1,21	down
5847978	7373633	1805711	---	---	---	1,02	up
5848041	7039532	984428	---	---	---	1,48	down
5848096	7162177	1280583	---	---	---	1,09	down
5848179	7156052	1265752	---	---	---	1,17	up
5848212	7126400	1192524	---	---	---	1,34	down
5848359	7040674	987043	---	---	---	1,16	up
5848398	7281924	1577747	---	---	---	1,61	up
5848564	7320735	1674189	---	---	---	1,07	up
5848573	7383586	1828427	---	---	---	1,24	up
5848588	7090581	1104804	---	---	---	1,62	down
5848660	7368005	1789342	---	---	---	1,13	down
5848667	7120827	1179299	---	---	---	1,84	down
5848720	7198087	1370682	---	---	---	1,23	down
5848787	7264653	1534053	---	---	---	1,13	down
5848811	7337522	1713620	---	---	---	2,22	up
5848819	7327169	1688463	---	---	---	1,10	down
5848954	7198087	1370699	---	---	---	1,19	up
5849001	7128112	1196532	---	---	---	1,04	up
5849109	7301904	1626761	---	---	---	1,03	up
5849179	7227775	1441842	---	---	---	1,29	down
5849185	7072765	1062745	---	---	---	1,13	down
5849192	7264653	1534055	---	---	---	1,19	down
5849260	7240569	1475499	---	---	---	1,01	down
5849292	7149934	1250517	---	---	---	1,29	down
5849410	7044906	998126	---	---	---	1,30	up
5849480	7247672	1491756	---	---	---	1,12	up
5849568	7373678	1805875	---	---	---	1,13	down
5849603	7253272	1505575	---	---	---	1,14	down
5849654	7245921	1487689	---	---	---	1,83	down
5849739	7155866	1265309	---	---	---	1,00	up
5849826	7314270	1657722	---	---	---	1,30	down
5849882	7071292	1059430	---	---	---	1,27	up
5849998	7375937	1811355	---	---	---	1,20	up
5850012	7374324	1807508	---	---	---	1,16	down
5850126	7148741	1247829	---	---	---	1,79	down
5850136	7162959	1282086	---	---	---	1,19	up
5850158	7238115	1468672	---	---	---	2,15	down
5850196	7257976	1517713	---	---	---	1,07	down
5850228	7099573	1126737	---	---	---	1,02	down
5850457	7363576	1778170	---	---	---	1,28	down
5850490	7377304	1814590	---	---	---	1,12	down
5850580	7253358	1505832	---	---	---	1,07	up
5850610	7207093	1392121	---	---	---	1,07	down
5850659	7340990	1722516	---	---	---	1,74	down
5850756	7315206	1660025	---	---	---	1,97	down
5850793	7059766	1030980	---	---	---	1,17	up
5850815	7339379	1718352	---	---	---	1,20	down
5850890	7065860	1045800	---	---	---	1,01	up
5850932	7377116	1814067	---	---	---	1,25	down
5851015	7111427	1155764	---	---	---	2,47	down
5851086	7154655	1262329	---	---	---	1,25	up
5851366	7073677	1065161	---	---	---	1,45	down

5851413	7086966	1095275	---	---	---	1,21	down
5851505	7335637	1708477	---	---	---	1,13	down
5851508	7092549	1109163	---	---	---	1,23	up
5851520	7376820	1813452	---	---	---	1,22	up
5851606	7337425	1713182	---	---	---	1,17	down
5851671	7297589	1615669	---	---	---	1,07	down
5851688	7267000	1539305	---	---	---	1,29	up
5851820	7121074	1179884	---	---	---	1,51	up
5851910	7198087	1370720	---	---	---	1,23	up
5852028	7062233	1037244	---	---	---	1,10	up
5852068	7231484	1451395	---	---	---	1,03	up
5852094	7067518	1049945	---	---	---	1,03	down
5852118	7073928	1065799	---	---	---	2,16	down
5852170	7121849	1181813	---	---	---	1,21	up
5852217	7376566	1812885	---	---	---	1,35	up
5852222	7254040	1507605	---	---	---	1,02	up
5852237	7123714	1186425	---	---	---	1,11	up
5852249	7219885	1422778	---	---	---	1,98	down
5852291	7243363	1481603	---	---	---	1,49	down
5852430	7095021	1115135	---	---	---	1,35	up
5852503	7243647	1482435	---	---	---	1,19	up
5852634	7034293	971945	---	---	---	1,23	down
5852640	7172373	1305566	---	---	---	1,70	down
5852693	7136142	1216419	---	---	---	1,27	down
5852723	7053874	1018317	---	---	---	1,63	down
5852739	7312903	1654097	---	---	---	1,29	down
5852750	7181442	1328882	---	---	---	2,07	down
5852761	7096461	1118271	---	---	---	1,05	down
5852764	7329846	1695003	---	---	---	1,03	down
5852857	7069721	1055294	---	---	---	1,02	down
5852885	7216970	1415120	---	---	---	1,75	down
5853029	7146093	1240940	---	---	---	1,29	up
5853053	7122585	1183691	---	---	---	4,00	up
5853062	7178752	1321791	---	---	---	1,82	up
5853116	7240569	1475464	---	---	---	1,24	up
5853282	7083030	1086271	---	---	---	1,03	up
5853317	7089080	1101144	---	---	---	1,06	down
5853399	7131550	1205559	---	---	---	1,26	up
5853472	7297589	1615639	---	---	---	1,06	up
5853491	7245921	1487677	---	---	---	1,49	down
5853497	7100523	1128880	---	---	---	1,31	up
5853531	7106752	1144043	---	---	---	1,03	down
5853535	7190844	1352144	---	---	---	1,05	down
5853584	7297756	1616090	---	---	---	1,03	up
5853590	7108434	1148315	---	---	---	1,18	down
5853617	7311391	1650857	---	---	---	1,02	up
5853618	7156052	1265758	---	---	---	1,03	down
5853622	7035525	974777	---	---	---	1,07	down
5853682	7279593	1572084	---	---	---	1,45	down
5853733	7059584	1030549	---	---	---	1,25	down
5853912	7279568	1572034	---	---	---	1,29	down
5854054	7213945	1407837	---	---	---	1,17	up
5854084	7115362	1165609	---	---	---	1,33	up
5854144	7073679	1065187	---	---	---	1,04	up
5854146	7220454	1424128	---	---	---	1,06	down
5854176	7363529	1777953	---	---	---	1,41	down
5854195	7194400	1361761	---	---	---	1,35	up

5854287	7378997	1818673	---	---	---	1,24	up
5854333	7098411	1123703	---	---	---	1,07	up
5854359	7146245	1241377	---	---	---	1,10	down
5854386	7235393	1461705	---	---	---	6,44	down
5854393	7115507	1165969	---	---	---	1,03	down
5854399	7166439	1290103	---	---	---	1,54	down
5854412	7363529	1777899	---	---	---	1,38	up
5854433	7198087	1370687	---	---	---	1,69	down
5854448	7368954	1792772	---	---	---	2,04	down
5854601	7214605	1409372	---	---	---	1,38	down
5854699	7359426	1768376	---	---	---	1,38	down
5854739	7315206	1660028	---	---	---	1,16	up
5854807	7154584	1262120	---	---	---	1,08	down
5854880	7301198	1624784	---	---	---	1,16	up
5854923	7182739	1332582	---	---	---	1,61	down
5855064	7364346	1779969	---	---	---	1,20	down
5855076	7110959	1154681	---	---	---	1,29	down
5855149	7142917	1233165	---	---	---	1,26	down
5855193	7360486	1770952	---	---	---	1,64	down
5855212	7244288	1484094	---	---	---	1,57	up
5855485	7256191	1512869	---	---	---	1,11	up
5855550	7230698	1449068	---	---	---	1,45	down
5855562	7064468	1042379	---	---	---	1,11	up
5855668	7053874	1018334	---	---	---	1,19	down
5855834	7205944	1389459	---	---	---	1,08	down
5856157	7252877	1504775	---	---	---	1,03	down
5856185	7110959	1154682	---	---	---	1,32	down
5856259	7280743	1574529	---	---	---	1,45	down
5856442	7064468	1042374	---	---	---	1,04	up
5856535	7236358	1464243	---	---	---	1,40	up
5856542	7232709	1454536	---	---	---	1,78	down
5856576	7108556	1148718	---	---	---	2,53	down
5856594	7084500	1089705	---	---	---	1,24	down
5856614	7331413	1699135	---	---	---	1,08	down
5856696	7059020	1029346	---	---	---	1,16	up
5856698	7274780	1559209	---	---	---	1,49	down
5856699	7207093	1392143	---	---	---	1,11	down
5856809	7383823	1828933	---	---	---	2,60	down
5856826	7207093	1392101	---	---	---	1,04	down
5856941	7092549	1109185	---	---	---	1,01	up
5856973	7282927	1580008	---	---	---	1,16	down
5857012	7280743	1574518	---	---	---	1,16	up
5857028	7073677	1065171	---	---	---	1,16	up
5857040	7326271	1686470	---	---	---	1,32	up
5857062	7223395	1431080	---	---	---	1,06	down
5857239	7344380	1731128	---	---	---	1,12	down
5857286	7377583	1815454	---	---	---	1,24	down
5857337	7114274	1162811	---	---	---	1,01	up
5857364	7380878	1822584	---	---	---	1,08	down
5857376	7075460	1069394	---	---	---	1,95	up
5857443	7101684	1131708	---	---	---	1,02	down
5857464	7034356	972175	---	---	---	1,07	down
5857537	7326378	1686713	---	---	---	1,23	down
5857575	7274780	1559252	---	---	---	1,05	up
5857610	7039463	984250	---	---	---	1,37	up
5857677	7247512	1491206	---	---	---	1,88	up
5857729	7303722	1631710	---	---	---	1,52	down

5857784	7363674	1778439	---	---	---	1,22	up
5857810	7318139	1668072	---	---	---	1,66	up
5857852	7312627	1653491	---	---	---	1,63	down
5857925	7341038	1722667	---	---	---	1,06	up
5858030	7127801	1195868	---	---	---	1,01	down
5858055	7131372	1205032	---	---	---	1,48	down
5858081	7041061	988072	---	---	---	3,74	down
5858156	7127540	1195270	---	---	---	1,34	up
5858238	7241995	1478326	---	---	---	1,29	up
5858263	7217747	1417504	---	---	---	1,42	up
5858381	7384904	1831595	---	---	---	1,05	up
5858397	7347427	1738665	---	---	---	1,10	up
5858398	7203018	1382662	---	---	---	1,28	down
5858566	7226278	1437998	---	---	---	1,10	down
5858583	7121849	1181773	---	---	---	1,07	down
5858650	7193056	1358263	---	---	---	1,17	up
5858681	7065640	1045204	---	---	---	1,06	down
5858783	7195680	1364897	---	---	---	1,34	up
5859009	7142917	1233170	---	---	---	1,18	down
5859026	7065640	1045202	---	---	---	1,20	up
5859043	7375937	1811340	---	---	---	1,62	up
5859111	7257893	1517483	---	---	---	1,05	down
5859139	7210263	1399734	---	---	---	1,04	up
5859250	7358048	1764791	---	---	---	1,15	down
5859252	7193056	1358289	---	---	---	1,22	up
5859327	7378997	1818688	---	---	---	1,05	up
5859375	7180804	1326997	---	---	---	1,86	down
5859393	7149817	1250308	---	---	---	2,18	up
5859505	7274780	1559200	---	---	---	2,17	up
5859515	7347427	1738663	---	---	---	1,07	up
5859670	7369031	1793011	---	---	---	1,32	down
5859717	7033504	969858	---	---	---	1,43	down
5859871	7091954	1107709	---	---	---	1,39	up
5860176	7237814	1467816	---	---	---	1,60	down
5860247	7258546	1519010	---	---	---	1,60	down
5860440	7070668	1057918	---	---	---	1,68	up
5860485	7339387	1718379	---	---	---	1,11	up
5860576	7184151	1335968	---	---	---	1,13	up
5860639	7196803	1367328	---	---	---	1,49	up
5860688	7142915	1233106	---	---	---	1,87	up
5860762	7056304	1023619	---	---	---	1,55	up
5860864	7162177	1280575	---	---	---	2,79	down
5860937	7312161	1652463	---	---	---	2,57	down
5860994	7383823	1828947	---	---	---	1,23	down
5861027	7073677	1065157	---	---	---	1,35	down
5861202	7307473	1641256	---	---	---	1,35	down
5861213	7146872	1242914	---	---	---	2,33	down
5861227	7072429	1061867	---	---	---	1,04	down
5861271	7049508	1008558	---	---	---	1,77	up
5861282	7106776	1144111	---	---	---	1,01	up
5861300	7336931	1711866	---	---	---	1,08	up
5861313	7237672	1467302	---	---	---	1,91	down
5861393	7039821	985073	---	---	---	1,61	down
5861503	7355580	1758872	---	---	---	3,22	up
5861507	7337224	1712609	---	---	---	1,30	down
5861530	7279568	1572026	---	---	---	1,06	down
5861681	7106776	1144107	---	---	---	1,08	up

5861684	7172691	1306450	---	---	---	1,05	up
5861693	7053878	1018359	---	---	---	1,09	down
5861714	7066035	1046224	---	---	---	1,00	down
5861756	7195680	1364872	---	---	---	1,21	up
5861802	7217650	1417175	---	---	---	1,21	up
5861927	7267802	1541816	---	---	---	1,92	down
5861980	7112355	1158083	---	---	---	1,03	up
5861988	7364948	1781217	---	---	---	1,14	down
5862252	7297589	1615657	---	---	---	1,43	up
5862279	7238202	1468947	---	---	---	1,18	down
5862385	7337224	1712619	---	---	---	1,56	down
5862405	7087282	1096160	---	---	---	1,42	up
5862516	7063873	1040651	---	---	---	1,51	down
5862741	7233513	1457166	---	---	---	3,84	down
5862912	7052957	1016259	---	---	---	1,41	down
5862991	7042382	991289	---	---	---	1,13	up
5863086	7259923	1522521	---	---	---	1,15	down
5863129	7278010	1568043	---	---	---	1,51	down
5863167	7120827	1179353	---	---	---	1,01	up
5863229	7095021	1115131	---	---	---	1,66	down
5863259	7196029	1365626	---	---	---	1,57	down
5863305	7350237	1745477	---	---	---	1,50	up
5863327	7193056	1358268	---	---	---	1,06	up
5863397	7274780	1559231	---	---	---	1,08	down
5863402	7240641	1475730	---	---	---	1,51	down
5863404	7259131	1520415	---	---	---	1,51	up
5863443	7337425	1713189	---	---	---	1,00	down
5863535	7037235	978584	---	---	---	1,23	down
5863663	7171091	1302457	---	---	---	1,03	up
5863692	7384509	1830759	---	---	---	1,05	down
5863717	7292178	1601748	---	---	---	1,00	up
5863770	7196029	1365628	---	---	---	1,13	up
5863803	7071969	1060901	---	---	---	1,40	up
5864034	7217747	1417497	---	---	---	1,38	up
5864067	7231653	1451902	---	---	---	1,12	down
5864095	7176409	1315673	---	---	---	1,37	up
5864119	7078666	1076516	---	---	---	1,32	down
5864161	7337425	1713201	---	---	---	1,02	down
5864207	7120468	1178499	---	---	---	1,37	down
5864254	7220618	1424436	---	---	---	1,14	up
5864292	7344406	1731197	---	---	---	1,31	up
5864367	7297589	1615666	---	---	---	1,55	up
5864385	7181105	1327962	---	---	---	1,00	down
5864519	7122140	1182735	---	---	---	1,08	down
5864535	7233012	1455403	---	---	---	1,10	down
5864551	7146982	1243292	---	---	---	1,18	up
5864582	7061003	1033923	---	---	---	1,00	down
5864602	7239939	1473797	---	---	---	1,38	down
5864612	7307473	1641300	---	---	---	1,43	down
5864691	7320735	1674165	---	---	---	1,03	down
5864707	7243647	1482463	---	---	---	1,11	down
5864759	7171417	1303153	---	---	---	1,09	up
5864973	7200545	1376917	---	---	---	1,21	down
5865024	7102113	1132824	---	---	---	1,03	up
5865115	7263248	1530602	---	---	---	1,05	down
5865127	7068942	1053386	---	---	---	1,58	down
5865128	7288077	1591955	---	---	---	1,21	down

5865195	7312686	1653624	---	---	---	1,23	up
5865200	7339286	1718108	---	---	---	1,35	up
5865240	7196331	1366379	---	---	---	1,20	down
5865246	7360486	1770954	---	---	---	1,02	up
5865286	7255911	1512229	---	---	---	1,06	down
5865388	7247848	1492047	---	---	---	1,40	down
5865508	7330238	1695939	---	---	---	1,16	up
5865512	7237814	1467836	---	---	---	1,03	up
5865668	7317204	1665391	---	---	---	1,16	down
5865673	7353224	1752667	---	---	---	1,71	up
5865698	7040442	986559	---	---	---	1,25	down
5865721	7053878	1018361	---	---	---	1,55	down
5865751	7181442	1328882	---	---	---	5,03	down
5865766	7128704	1198017	---	---	---	1,13	up
5865808	7302787	1628903	---	---	---	1,23	up
5865909	7068259	1051652	---	---	---	1,05	down
5865932	7068259	1051637	---	---	---	1,02	up
5865935	7050716	1011221	---	---	---	1,24	down
5866038	7097454	1120880	---	---	---	1,22	down
5866078	7318139	1668074	---	---	---	1,31	down
5866081	7056333	1023709	---	---	---	1,53	down
5866171	7295410	1609782	---	---	---	1,23	down
5866225	7282927	1580016	---	---	---	1,33	down
5866272	7170764	1301490	---	---	---	1,11	down
5866314	7123421	1185833	---	---	---	2,41	down
5866343	7336931	1711872	---	---	---	1,06	up
5866368	7075445	1069339	---	---	---	1,46	down
5866458	7358859	1767009	---	---	---	1,09	up
5866518	7280743	1574500	---	---	---	1,24	down
5866552	7237438	1466787	---	---	---	1,50	down
5866607	7050167	1009800	---	---	---	1,12	down
5866615	7244288	1484094	---	---	---	1,24	up
5866700	7098077	1122727	---	---	---	1,18	up
5866745	7194356	1361627	---	---	---	1,33	down
5866779	7062233	1037243	---	---	---	1,35	down
5866801	7371001	1798869	---	---	---	1,09	down
5866874	7328985	1693161	---	---	---	1,05	down
5866888	7383102	1827399	---	---	---	1,16	down
5866927	7068504	1052167	---	---	---	1,05	up
5867117	7173640	1308961	---	---	---	1,56	up
5867150	7201422	1379185	---	---	---	2,15	up
5867201	7240569	1475329	---	---	---	1,17	up
5867204	7098648	1124276	---	---	---	2,02	up
5867321	7040442	986512	---	---	---	1,44	up
5867386	7088489	1099521	---	---	---	1,19	down
5867569	7073677	1065153	---	---	---	1,56	up
5867623	7174114	1310431	---	---	---	1,08	up
5867646	7231484	1451379	---	---	---	2,09	up
5867689	7119845	1176886	---	---	---	2,03	down
5867751	7166867	1291325	---	---	---	1,08	up
5867756	7233012	1455410	---	---	---	1,21	up
5867761	7131103	1204357	---	---	---	1,16	down
5867792	7069253	1054160	---	---	---	1,24	down
5867845	7248790	1494499	---	---	---	1,47	up
5867877	7279568	1572035	---	---	---	1,04	down
5867910	7269637	1546234	---	---	---	2,06	down
5867935	7217679	1417295	---	---	---	1,31	up

5868026	7133484	1209941	---	---	---	1,07	up
5868102	7233524	1457219	---	---	---	2,57	down
5868110	7348487	1741251	---	---	---	1,21	up
5868120	7041486	989220	---	---	---	1,39	up
5868140	7280743	1574487	---	---	---	1,22	down
5868204	7127691	1195636	---	---	---	1,52	up
5868249	7072765	1062744	---	---	---	1,01	down
5868285	7140834	1227967	---	---	---	1,05	up
5868394	7355580	1758887	---	---	---	1,72	up
5868698	7373678	1805852	---	---	---	1,39	down
5868876	7132125	1206641	---	---	---	1,22	down
5868951	7360213	1770141	---	---	---	1,01	down
5869090	7148741	1247828	---	---	---	1,52	up
5869199	7256191	1512860	---	---	---	1,16	down
5869215	7165954	1288767	---	---	---	1,62	down
5869270	7273251	1555943	---	---	---	1,30	down
5869438	7115146	1164933	---	---	---	2,23	down
5869581	7143455	1234734	---	---	---	1,17	up
5869587	7329135	1693488	---	---	---	1,21	down
5869631	7378997	1818647	---	---	---	1,28	up
5869721	7041635	989642	---	---	---	1,42	down
5869742	7069253	1054167	---	---	---	1,10	up
5869758	7181442	1328884	---	---	---	1,11	down
5869825	7089080	1101157	---	---	---	1,04	up
5869834	7370779	1798152	---	---	---	2,01	down
5869837	7197056	1367834	---	---	---	1,10	down
5870107	7119845	1176858	---	---	---	1,02	down
5870139	7279303	1571212	---	---	---	1,02	up
5870153	7256070	1512584	---	---	---	1,30	down
5870191	7059971	1031461	---	---	---	1,15	up
5870243	7091439	1106615	---	---	---	1,12	up
5870291	7175946	1314637	---	---	---	1,45	down
5870440	7312686	1653625	---	---	---	1,04	down
5870505	7039223	983558	---	---	---	2,23	up
5870514	7082098	1084108	---	---	---	1,00	down
5870518	7075460	1069394	---	---	---	3,66	up
5870561	7186464	1341366	---	---	---	1,05	up
5870662	7288077	1591993	---	---	---	1,10	up
5870666	7237814	1467831	---	---	---	1,15	up
5870692	7090581	1104745	---	---	---	1,86	up
5870702	7191594	1354233	---	---	---	1,52	up
5870707	7029985	960592	---	---	---	1,39	down
5870781	7336931	1711867	---	---	---	1,01	up
5870796	7128921	1198510	---	---	---	1,44	up
5870858	7257337	1515977	---	---	---	1,57	down
5870935	7171091	1302444	---	---	---	1,15	down
5870971	7210822	1400978	---	---	---	1,10	up
5871064	7065860	1045807	---	---	---	1,55	up
5871136	7059309	1029907	---	---	---	1,13	up
5871289	7207069	1392034	---	---	---	1,18	down
5871339	7374324	1807532	---	---	---	1,07	down
5871397	7099573	1126730	---	---	---	1,09	down
5871414	7121849	1181819	---	---	---	1,02	up
5871442	7069721	1055292	---	---	---	1,16	up
5871463	7318714	1669241	---	---	---	1,13	down
5871505	7341002	1722533	---	---	---	1,20	up
5871573	7080476	1080403	---	---	---	1,05	down

5871612	7236358	1464248	---	---	---	1,06	up
5871693	7075445	1069352	---	---	---	1,32	up
5871701	7308262	1643209	---	---	---	1,33	down
5871779	7071264	1059296	---	---	---	1,70	up
5871784	7053620	1017791	---	---	---	1,45	down
5871799	7148741	1247849	---	---	---	1,27	down
5871805	7279555	1571952	---	---	---	1,18	up
5871812	7337425	1713188	---	---	---	1,03	down
5871857	7302445	1628175	---	---	---	1,30	up
5871908	7136746	1217970	---	---	---	1,06	up
5871913	7358859	1766999	---	---	---	1,36	down
5872023	7136062	1216304	---	---	---	1,05	up
5872056	7305275	1635845	---	---	---	1,06	down
5872110	7165644	1288009	---	---	---	1,44	up
5872230	7308679	1644244	---	---	---	1,31	up
5872256	7168439	1295710	---	---	---	1,56	up
5872330	7080476	1080410	---	---	---	1,13	down
5872395	7153571	1259039	---	---	---	1,43	down
5872541	7340057	1720333	---	---	---	1,02	down
5872595	7068259	1051622	---	---	---	1,76	down
5872723	7274585	1558789	---	---	---	1,10	up
5872736	7374790	1808765	---	---	---	1,37	down
5872762	7288077	1591952	---	---	---	1,05	up
5872768	7288077	1591995	---	---	---	1,18	up
5872777	7031774	964651	---	---	---	1,13	down
5872808	7198210	1370982	---	---	---	1,22	down
5872850	7068259	1051619	---	---	---	1,95	up
5872876	7044988	998454	---	---	---	1,17	down
5872904	7335903	1709287	---	---	---	1,39	up
5872906	7363529	1777902	---	---	---	2,01	down
5872991	7367959	1789071	---	---	---	1,45	up
5873032	7281877	1577528	---	---	---	1,31	up
5873037	7381330	1823627	---	---	---	1,12	up
5873139	7200996	1378158	---	---	---	1,50	up
5873209	7248790	1494514	---	---	---	1,03	up
5873224	7074911	1068173	---	---	---	1,21	down
5873411	7146982	1243284	---	---	---	1,19	down
5873622	7249015	1495062	---	---	---	1,29	down
5873654	7068413	1051960	---	---	---	1,30	down
5873767	7235069	1460988	---	---	---	1,19	down
5873854	7065570	1045091	---	---	---	1,10	up
5873956	7082098	1084124	---	---	---	1,17	up
5874012	7209927	1398916	---	---	---	1,27	down
5874025	7365147	1781772	---	---	---	1,12	down
5874143	7166855	1291249	---	---	---	1,59	down
5874265	7113483	1160998	---	---	---	1,41	down
5874317	7146093	1240986	---	---	---	1,16	up
5874401	7240569	1475510	---	---	---	1,00	up
5874466	7365147	1781778	---	---	---	1,19	up
5874467	7340304	1720865	---	---	---	1,53	down
5874515	7361881	1773943	---	---	---	1,16	down
5874527	7230886	1449569	---	---	---	1,06	up
5874546	7057462	1025863	---	---	---	1,13	up
5874554	7318714	1669234	---	---	---	1,19	up
5874758	7285563	1586041	---	---	---	1,23	down
5874765	7105057	1140310	---	---	---	2,12	up
5874774	7073677	1065159	---	---	---	1,23	down

5874777	7193056	1358257	---	---	---	1,13	down
5874867	7032395	966595	---	---	---	1,38	down
5874878	7371228	1799455	---	---	---	1,33	up
5874945	7337224	1712624	---	---	---	1,32	up
5875035	7062436	1037675	---	---	---	1,80	down
5875285	7202837	1382307	---	---	---	1,06	down
5875329	7309734	1646898	---	---	---	1,62	down
5875338	7376206	1811973	---	---	---	1,14	up
5875343	7070836	1058361	---	---	---	1,14	down
5875480	7059584	1030552	---	---	---	1,09	up
5875493	7361881	1773944	---	---	---	1,58	up
5875597	7237814	1467834	---	---	---	1,22	up
5875623	7102416	1133513	---	---	---	1,48	up
5875703	7248790	1494550	---	---	---	1,12	up
5875729	7156052	1265777	---	---	---	1,15	up
5875730	7092549	1109183	---	---	---	1,12	down
5875773	7376566	1812857	---	---	---	2,13	down
5875827	7273251	1555948	---	---	---	1,55	up
5875896	7052385	1014800	---	---	---	1,09	up
5875913	7289069	1594393	---	---	---	1,05	down
5875914	7230886	1449524	---	---	---	1,03	down
5875933	7284901	1584807	---	---	---	1,10	down
5875951	7239752	1473157	---	---	---	1,20	up
5876009	7131718	1205742	---	---	---	1,26	down
5876011	7062233	1037245	---	---	---	1,17	down
5876161	7198644	1372353	---	---	---	1,10	down
5876168	7160846	1277348	---	---	---	1,03	up
5876170	7373678	1805855	---	---	---	1,01	up
5876211	7040674	987027	---	---	---	2,13	up
5876213	7369822	1795130	---	---	---	1,02	up
5876248	7193056	1358274	---	---	---	1,47	down
5876303	7297589	1615636	---	---	---	1,05	down
5876387	7050716	1011230	---	---	---	2,10	down
5876415	7286807	1588846	---	---	---	1,04	down
5876431	7261580	1526796	---	---	---	1,12	up
5876444	7197056	1367848	---	---	---	1,30	up
5876501	7383655	1828573	---	---	---	1,36	down
5876643	7358048	1764797	---	---	---	1,04	up
5876677	7194172	1361162	---	---	---	1,38	up
5876694	7237346	1466592	---	---	---	1,00	down
5876706	7042382	991286	---	---	---	1,32	up
5876753	7343250	1728033	---	---	---	1,28	down
5876769	7039463	984252	---	---	---	1,12	down
5876778	7340673	1721708	---	---	---	1,19	up
5876836	7298920	1618828	---	---	---	2,18	up
5876932	7168439	1295712	---	---	---	1,50	up
5877012	7036871	977873	---	---	---	1,15	up
5877076	7285530	1585966	---	---	---	1,15	down
5877079	7257893	1517470	---	---	---	1,07	down
5877117	7217434	1416416	---	---	---	1,46	up
5877160	7207093	1392078	---	---	---	1,06	up
5877162	7341002	1722535	---	---	---	1,51	up
5877164	7121849	1181761	---	---	---	1,04	up
5877170	7369712	1794829	---	---	---	1,15	up
5877368	7353997	1754703	---	---	---	1,17	down
5877379	7040442	986577	---	---	---	1,46	down
5877408	7108434	1148319	---	---	---	1,22	down

5877596	7329135	1693495	---	---	---	1,00	up
5877597	7341243	1723215	---	---	---	1,10	down
5877652	7302787	1628898	---	---	---	1,02	down
5877716	7058713	1028663	---	---	---	1,56	down
5877768	7341546	1723943	---	---	---	1,14	down
5877771	7330396	1696360	---	---	---	1,41	down
5877805	7075460	1069395	---	---	---	1,17	down
5877850	7162144	1280502	---	---	---	1,84	down
5878046	7069830	1055667	---	---	---	2,32	down
5878080	7243628	1482384	---	---	---	1,51	down
5878089	7363529	1777958	---	---	---	1,00	down
5878092	7079475	1078284	---	---	---	1,41	up
5878141	7239752	1473179	---	---	---	1,24	down
5878210	7267204	1539851	---	---	---	2,11	up
5878217	7170764	1301489	---	---	---	1,01	up
5878291	7234040	1458505	---	---	---	1,54	up
5878352	7217679	1417308	---	---	---	1,20	down
5878357	7169599	1298444	---	---	---	1,22	down
5878423	7290942	1599135	---	---	---	3,14	down
5878476	7069830	1055638	---	---	---	1,51	down
5878486	7176275	1315343	---	---	---	1,19	down
5878528	7376398	1812493	---	---	---	1,00	up
5878536	7221855	1427254	---	---	---	2,06	down
5878628	7235323	1461554	---	---	---	1,05	down
5878735	7149008	1248598	---	---	---	1,15	down
5878811	7093296	1110929	---	---	---	1,02	up
5878955	7049508	1008560	---	---	---	1,10	up
5879105	7073854	1065625	---	---	---	1,28	up
5879145	7287337	1589968	---	---	---	3,12	down
5879246	7127540	1195279	---	---	---	1,07	up
5879328	7333462	1703646	---	---	---	1,02	down
5879421	7086672	1094321	---	---	---	1,18	down
5879562	7378981	1818552	---	---	---	1,48	down
5879613	7089080	1101129	---	---	---	2,14	up
5879624	7172373	1305577	---	---	---	1,40	down
5879682	7069253	1054175	---	---	---	1,04	down
5879701	7247848	1492047	---	---	---	1,45	down
5879800	7355580	1758873	---	---	---	1,40	up
5879850	7243647	1482438	---	---	---	1,03	up
5879915	7243726	1482680	---	---	---	1,05	down
5880025	7256070	1512592	---	---	---	1,33	up
5880035	7058507	1028299	---	---	---	1,37	up
5880061	7156052	1265776	---	---	---	1,25	down
5880101	7330731	1697175	---	---	---	1,39	up
5880139	7250671	1499034	---	---	---	1,01	up
5880205	7324760	1683093	---	---	---	1,23	down
5880353	7100523	1128848	---	---	---	1,49	down
5880368	7141061	1228644	---	---	---	1,02	up
5880401	7261580	1526804	---	---	---	1,38	up
5880518	7306330	1638521	---	---	---	1,09	down
5880536	7052176	1014215	---	---	---	2,78	down
5880629	7139708	1225051	---	---	---	1,11	up
5880682	7085242	1091078	---	---	---	1,28	down
5880689	7279489	1571798	---	---	---	1,03	up
5880783	7037235	978573	---	---	---	1,28	down
5880863	7059766	1030971	---	---	---	1,59	up
5880905	7350489	1746121	---	---	---	1,32	up

5880982	7378997	1818661	---	---	---	1,14	up
5881089	7056736	1024421	---	---	---	1,65	down
5881175	7137646	1220437	---	---	---	1,17	up
5881281	7223395	1431080	---	---	---	1,06	down
5881341	7346229	1735595	---	---	---	1,17	down
5881557	7180732	1326723	---	---	---	1,19	down
5881609	7150047	1250776	---	---	---	1,04	down
5881788	7121074	1179920	---	---	---	1,05	down
5881813	7131766	1205865	---	---	---	1,05	up
5881819	7277783	1567437	---	---	---	3,13	up
5881835	7180243	1325517	---	---	---	1,01	up
5881844	7345465	1733851	---	---	---	1,33	down
5881974	7344530	1731569	---	---	---	3,46	up
5881985	7240569	1475505	---	---	---	1,16	down
5882003	7092549	1109195	---	---	---	1,02	down
5882083	7377116	1814068	---	---	---	1,03	down
5882102	7174114	1310422	---	---	---	1,19	up
5882240	7113483	1161004	---	---	---	1,10	down
5882268	7102113	1132839	---	---	---	1,51	up
5882335	7363147	1777030	---	---	---	1,44	down
5882410	7131372	1205026	---	---	---	1,19	up
5882616	7274892	1559540	---	---	---	1,01	up
5882653	7055793	1022302	---	---	---	1,29	up
5882763	7244290	1484157	---	---	---	1,06	up
5882929	7102040	1132630	---	---	---	1,28	up
5883035	7058507	1028320	---	---	---	1,08	down
5883091	7107503	1145769	---	---	---	1,07	up
5883102	7297589	1615607	---	---	---	1,10	up
5883108	7027386	955063	---	---	---	1,03	up
5883130	7105780	1141699	---	---	---	1,01	down
5883262	7215722	1412267	---	---	---	1,96	down
5883293	7098867	1124962	---	---	---	1,51	down
5883303	7235794	1462889	---	---	---	1,28	down
5883309	7076160	1070909	---	---	---	1,62	up
5883348	7361223	1772619	---	---	---	1,02	up
5883372	7237672	1467305	---	---	---	1,53	down
5883426	7059020	1029334	---	---	---	1,44	down
5883536	7176235	1315241	---	---	---	1,39	down
5883538	7088164	1098489	---	---	---	1,72	down
5883569	7179785	1324460	---	---	---	1,45	down
5883601	7252339	1503335	---	---	---	1,07	down
5883678	7083030	1086270	---	---	---	1,11	down
5883732	7361042	1772273	---	---	---	1,06	down
5883780	7302327	1627686	---	---	---	1,13	up
5883870	7258455	1518734	---	---	---	1,06	down
5883899	7303191	1629959	---	---	---	1,25	down
5884057	7355580	1758871	---	---	---	2,20	up
5884115	7248790	1494490	---	---	---	1,29	down
5884124	7070836	1058350	---	---	---	1,12	up
5884157	7049308	1008126	---	---	---	1,13	down
5884317	7227433	1440961	---	---	---	2,11	down
5884482	7361881	1773939	---	---	---	1,14	up
5884488	7257893	1517479	---	---	---	1,08	up
5884528	7377791	1815987	---	---	---	2,08	up
5884554	7059971	1031464	---	---	---	1,03	down
5884573	7213908	1407669	---	---	---	1,15	down
5884611	7102416	1133513	---	---	---	1,13	up

5884737	7361881	1773965	---	---	---	1,09	up
5884746	7070836	1058344	---	---	---	1,01	down
5884811	7143971	1235934	---	---	---	3,50	up
5884840	7344380	1731134	---	---	---	1,36	up
5884852	7059506	1030399	---	---	---	1,14	down
5884931	7115362	1165599	---	---	---	1,29	down
5884952	7194400	1361769	---	---	---	1,20	down
5884984	7239303	1472003	---	---	---	1,01	up
5885111	7155624	1264726	---	---	---	1,07	down
5885133	7288284	1592651	---	---	---	1,69	down
5885294	7149817	1250314	---	---	---	1,43	up
5885295	7210702	1400724	---	---	---	2,16	down
5885425	7130889	1203883	---	---	---	1,31	down
5885490	7221256	1425887	---	---	---	1,11	down
5885500	7343052	1727528	---	---	---	1,11	up
5885589	7089080	1101136	---	---	---	1,14	down
5885636	7310851	1649633	---	---	---	1,12	up
5885783	7043379	993646	---	---	---	1,24	up
5885879	7095960	1117070	---	---	---	1,11	down
5885937	7087282	1096231	---	---	---	1,21	down
5885940	7067828	1050784	---	---	---	1,13	down
5885990	7313538	1655742	---	---	---	1,33	up
5886032	7079808	1079061	---	---	---	1,27	down
5886040	7343250	1728033	---	---	---	1,23	up
5886354	7352044	1750001	---	---	---	1,14	up
5886412	7068504	1052167	---	---	---	1,11	down
5886468	7286807	1588812	---	---	---	1,03	up
5886621	7193959	1360603	---	---	---	1,15	down
5886640	7071264	1059285	---	---	---	1,13	down
5886775	7034293	971971	---	---	---	1,11	up
5886847	7329135	1693493	---	---	---	1,75	up
5886884	7196029	1365620	---	---	---	1,24	up
5886935	7297589	1615601	---	---	---	1,01	up
5887047	7148978	1248535	---	---	---	1,20	down
5887063	7367969	1789101	---	---	---	1,09	up
5887081	7344406	1731212	---	---	---	1,62	down
5887101	7367060	1786192	---	---	---	1,18	up
5887209	7177428	1318365	---	---	---	1,19	up
5887273	7092549	1109197	---	---	---	1,33	up
5887284	7152007	1255324	---	---	---	1,22	down
5887548	7326271	1686521	---	---	---	1,21	down
5887578	7252877	1504688	---	---	---	1,14	down
5887782	7056333	1023684	---	---	---	1,25	down
5887860	7121849	1181771	---	---	---	1,12	down
5887907	7079326	1077973	---	---	---	1,73	down
5887913	7240569	1475364	---	---	---	1,20	up
5887931	7168979	1297195	---	---	---	1,10	up
5888009	7098411	1123732	---	---	---	1,29	up
5888020	7302860	1629063	---	---	---	1,36	up
5888031	7067335	1049470	---	---	---	1,08	down
5888056	7326271	1686463	---	---	---	1,07	down
5888158	7233012	1455407	---	---	---	1,08	down
5888488	7340057	1720334	---	---	---	2,82	down
5888646	7029442	959554	---	---	---	1,32	up
5888751	7370002	1795769	---	---	---	1,28	up
5888763	7087282	1096203	---	---	---	1,45	down
5888954	7326271	1686515	---	---	---	1,01	down

5888980	7078666	1076518	---	---	---	1,02	up
5888989	7169550	1298365	---	---	---	1,07	down
5889027	7156052	1265763	---	---	---	1,35	up
5889074	7044349	996693	---	---	---	1,01	down
5889125	7115146	1164934	---	---	---	1,14	up
5889171	7101206	1130457	---	---	---	2,14	up
5889179	7258455	1518729	---	---	---	1,11	up
5889249	7312566	1653321	---	---	---	1,20	up
5889296	7374493	1807962	---	---	---	1,11	up
5889329	7253215	1505381	---	---	---	1,66	down
5889345	7340673	1721697	---	---	---	1,40	down
5889371	7378997	1818644	---	---	---	1,02	up
5889412	7292624	1602751	---	---	---	1,56	up
5889508	7326245	1686390	---	---	---	1,11	up
5889615	7092549	1109156	---	---	---	1,26	up
5889633	7339387	1718391	---	---	---	1,10	down
5889712	7279568	1572037	---	---	---	1,75	up
5889763	7253408	1505952	---	---	---	1,28	down
5889771	7235840	1462999	---	---	---	1,01	up
5889941	7340673	1721701	---	---	---	1,04	up
5889989	7281577	1576874	---	---	---	1,18	up
5889997	7336854	1711684	---	---	---	1,08	up
5890059	7355138	1757853	---	---	---	1,24	up
5890177	7148741	1247826	---	---	---	1,24	down
5890226	7033337	969495	---	---	---	1,02	down
5890285	7122131	1182668	---	---	---	1,34	up
5890467	7279499	1571822	---	---	---	1,42	down
5890472	7067670	1050374	---	---	---	1,28	down
5890677	7358859	1767011	---	---	---	1,11	down
5890731	7069727	1055364	---	---	---	1,47	up
5890790	7282927	1580011	---	---	---	1,03	down
5890811	7087282	1096152	---	---	---	1,09	down
5890917	7211363	1402051	---	---	---	1,01	up
5891011	7314270	1657753	---	---	---	1,10	up
5891038	7320068	1672649	---	---	---	1,26	up
5891281	7247512	1491205	---	---	---	1,48	up
5891317	7209811	1398665	---	---	---	1,54	up
5891374	7181001	1327622	---	---	---	1,01	up
5891384	7225543	1435935	---	---	---	1,20	down
5891431	7121849	1181782	---	---	---	1,18	down
5891441	7075790	1069993	---	---	---	1,23	up
5891515	7061550	1035287	---	---	---	1,80	down
5891614	7198087	1370696	---	---	---	1,19	down
5891627	7101258	1130563	---	---	---	1,09	up
5891664	7198087	1370686	---	---	---	1,00	down
5891713	7318714	1669242	---	---	---	1,21	down
5891799	7195680	1364900	---	---	---	1,05	down
5891815	7288077	1591970	---	---	---	1,24	down
5891889	7320735	1674172	---	---	---	1,03	up
5891938	7312627	1653489	---	---	---	2,08	up
5891955	7267802	1541733	---	---	---	1,68	down
5891962	7360486	1770970	---	---	---	1,04	up
5891969	7358048	1764791	---	---	---	1,03	up
5891988	7261019	1525281	---	---	---	1,10	down
5892031	7205944	1389476	---	---	---	1,13	down
5892076	7034293	971945	---	---	---	1,08	down
5892104	7065570	1045094	---	---	---	2,56	down

5892179	7115963	1167067	---	---	---	1,71	up
5892261	7245874	1487587	---	---	---	1,17	up
5892276	7257337	1515972	---	---	---	1,65	down
5892286	7180804	1326998	---	---	---	1,21	down
5892289	7198087	1370703	---	---	---	1,13	up
5892382	7038153	981148	---	---	---	1,07	down
5892402	7353232	1752850	---	---	---	2,65	up
5892419	7318714	1669235	---	---	---	1,60	down
5892452	7228656	1444255	---	---	---	1,08	down
5892526	7225543	1435939	---	---	---	1,15	down
5892618	7344406	1731265	---	---	---	1,01	up
5892628	7297274	1614654	---	---	---	1,06	up
5892810	7238115	1468620	---	---	---	1,01	down
5892860	7290463	1597958	---	---	---	1,14	down
5892965	7121849	1181795	---	---	---	1,11	up
5892969	7095041	1115189	---	---	---	1,01	up
5893034	7153571	1259038	---	---	---	1,01	up
5893095	7302860	1629030	---	---	---	1,08	up
5893201	7196029	1365626	---	---	---	1,54	up
5893242	7186443	1341286	---	---	---	1,12	down
5893272	7326612	1687199	---	---	---	1,40	down
5893482	7099573	1126709	---	---	---	1,28	down
5893687	7148741	1247855	---	---	---	1,22	down
5893737	7365183	1781914	---	---	---	1,11	up
5893803	7331757	1700032	---	---	---	1,29	up
5893806	7363529	1777942	---	---	---	1,26	down
5893848	7373678	1805858	---	---	---	1,04	down
5893889	7237438	1466795	---	---	---	1,92	up
5893998	7358048	1764803	---	---	---	1,28	up
5894017	7263805	1532198	---	---	---	2,07	down
5894060	7131550	1205558	---	---	---	1,32	down
5894192	7076160	1070965	---	---	---	1,36	up
5894267	7223395	1431081	---	---	---	1,16	up
5894297	7121849	1181817	---	---	---	1,19	up
5894323	7052813	1015883	---	---	---	1,17	down
5894344	7146425	1241887	---	---	---	1,45	down
5894355	7350237	1745478	---	---	---	1,26	down
5894365	7193403	1359180	---	---	---	1,10	down
5894439	7208784	1396150	---	---	---	1,03	up
5894521	7131876	1206046	---	---	---	1,20	up
5894700	7078666	1076510	---	---	---	1,32	down
5894726	7330396	1696366	---	---	---	1,10	up
5894839	7131372	1205029	---	---	---	1,38	up
5894868	7168521	1295895	---	---	---	1,08	down
5894914	7259221	1520618	---	---	---	1,23	up
5894930	7286807	1588819	---	---	---	1,11	up
5894970	7117813	1171705	---	---	---	1,11	up
5895000	7111361	1155622	---	---	---	1,28	up
5895026	7217747	1417487	---	---	---	1,39	up
5895052	7330731	1697190	---	---	---	1,31	up
5895063	7350922	1747316	---	---	---	1,26	up
5895077	7156978	1268172	---	---	---	1,49	down
5895146	7050716	1011225	---	---	---	1,33	down
5895148	7256789	1514654	---	---	---	1,62	up
5895185	7326271	1686480	---	---	---	1,03	up
5895369	7340757	1721898	---	---	---	1,00	up
5895395	7101643	1131567	---	---	---	1,17	down

5895488	7337872	1714437	---	---	---	1,39	down
5895547	7253358	1505831	---	---	---	1,08	up
5895595	7374324	1807479	---	---	---	1,01	down
5895670	7035525	974782	---	---	---	1,12	down
5895783	7320068	1672647	---	---	---	1,53	up
5895804	7217434	1416398	---	---	---	1,40	down
5895828	7297589	1615671	---	---	---	1,30	down
5896014	7093255	1110763	---	---	---	1,40	down
5896164	7240569	1475489	---	---	---	1,41	down
5896185	7355044	1757423	---	---	---	1,25	down
5896238	7066035	1046197	---	---	---	1,01	up
5896289	7320735	1674191	---	---	---	1,24	down
5896301	7041635	989642	---	---	---	1,18	down
5896467	7073609	1064857	---	---	---	1,95	down
5896614	7363768	1778601	---	---	---	1,31	down
5896641	7061003	1033922	---	---	---	1,18	up
5896698	7169732	1298771	---	---	---	2,28	up
5896818	7113169	1160173	---	---	---	1,04	down
5896903	7098077	1122806	---	---	---	1,11	up
5897018	7244936	1485359	---	---	---	1,38	down
5897039	7123129	1185073	---	---	---	1,84	up
5897301	7197056	1367840	---	---	---	1,25	down
5897406	7280743	1574527	---	---	---	1,49	up
5897408	7198644	1372351	---	---	---	1,07	down
5897415	7062233	1037186	---	---	---	1,51	up
5897437	7356115	1760117	---	---	---	1,16	up
5897639	7339379	1718354	---	---	---	1,00	up
5897663	7033006	968486	---	---	---	1,11	up
5897691	7142321	1231539	---	---	---	1,38	down
5897890	7321414	1675630	---	---	---	1,04	up
5897922	7281924	1577732	---	---	---	1,20	down
5897925	7191888	1354950	---	---	---	1,13	up
5898137	7309734	1646898	---	---	---	1,25	down
5898306	7267953	1542234	---	---	---	2,01	down
5898385	7339286	1718107	---	---	---	1,10	up
5898414	7166867	1291342	---	---	---	2,07	down
5898429	7064732	1042928	---	---	---	1,10	down
5898642	7113483	1161004	---	---	---	1,20	down
5898680	7067670	1050319	---	---	---	2,61	up
5898762	7355138	1757705	---	---	---	1,12	down
5898791	7100408	1128642	---	---	---	1,17	up
5898793	7148978	1248479	---	---	---	1,27	up
5898880	7052331	1014567	---	---	---	1,27	down
5898889	7277783	1567465	---	---	---	1,48	down
5898917	7228520	1443766	---	---	---	1,09	up
5898938	7295652	1610280	---	---	---	1,45	down
5898963	7257893	1517477	---	---	---	1,05	up
5898983	7055793	1022298	---	---	---	1,18	up
5899095	7383823	1828933	---	---	---	1,20	down
5899144	7039265	983658	---	---	---	1,21	up
5899383	7272431	1553892	---	---	---	1,06	down
5899408	7297589	1615609	---	---	---	1,04	up
5899432	7330181	1695711	---	---	---	3,02	up
5899456	7281924	1577753	---	---	---	1,03	up
5899492	7200545	1376908	---	---	---	1,55	down
5899506	7240569	1475454	---	---	---	1,01	up
5899598	7160687	1277011	---	---	---	1,06	down

5899714	7069830	1055614	---	---	---	1,14	up
5899842	7370131	1796181	---	---	---	1,09	down
5899985	7253408	1505938	---	---	---	1,46	up
5899990	7286807	1588810	---	---	---	1,61	down
5900069	7181193	1328298	---	---	---	1,31	up
5900073	7329846	1695005	---	---	---	2,08	down
5900181	7360486	1770935	---	---	---	1,07	up
5900306	7078666	1076510	---	---	---	1,17	up
5900354	7128704	1198021	---	---	---	1,51	down
5900375	7191594	1354241	---	---	---	2,59	up
5900542	7377304	1814575	---	---	---	1,03	down
5900559	7264653	1534054	---	---	---	1,30	up
5900567	7101258	1130573	---	---	---	1,14	up
5900578	7181452	1328933	---	---	---	1,02	down
5900589	7238153	1468833	---	---	---	1,06	down
5900601	7337224	1712600	---	---	---	1,61	down
5900686	7297756	1616089	---	---	---	1,11	down
5900823	7127257	1194810	---	---	---	1,34	up
5900843	7211144	1401548	---	---	---	1,70	down
5900874	7030037	960716	---	---	---	1,08	down
5900878	7062233	1037198	---	---	---	1,06	up
5900899	7323869	1680882	---	---	---	1,07	down
5900981	7065640	1045207	---	---	---	1,94	down
5901006	7104920	1140058	---	---	---	1,01	down
5901012	7298920	1618834	---	---	---	1,38	down
5901089	7049689	1008874	---	---	---	1,24	up
5901090	7283156	1580615	---	---	---	2,11	down
5901108	7369938	1795531	---	---	---	1,53	down
5901118	7033337	969519	---	---	---	1,14	down
5901155	7383102	1827386	---	---	---	1,69	up
5901202	7297274	1614613	---	---	---	1,19	down
5901229	7344406	1731218	---	---	---	1,12	down
5901309	7087965	1098052	---	---	---	1,07	up
5901435	7252877	1504680	---	---	---	1,37	up
5901462	7053874	1018317	---	---	---	2,17	down
5901490	7053874	1018316	---	---	---	1,21	down
5901492	7217679	1417311	---	---	---	1,43	down
5901593	7086966	1095248	---	---	---	1,08	down
5901634	7088544	1099705	---	---	---	1,06	up
5901670	7207093	1392136	---	---	---	1,01	up
5901682	7183182	1333576	---	---	---	1,26	up
5901881	7039223	983552	---	---	---	1,24	down
5901925	7138580	1222520	---	---	---	1,24	down
5902075	7377304	1814600	---	---	---	1,61	up
5902105	7289075	1594453	---	---	---	1,13	down
5902171	7205750	1388930	---	---	---	1,98	down
5902198	7330314	1696138	---	---	---	2,21	up
5902253	7280982	1575244	---	---	---	1,45	up
5902414	7168439	1295662	---	---	---	1,04	up
5902465	7198210	1370989	---	---	---	1,04	down
5902614	7378997	1818661	---	---	---	1,01	up
5902637	7281577	1576888	---	---	---	1,34	up
5902780	7058713	1028666	---	---	---	1,07	down
5902804	7353232	1752855	---	---	---	1,02	up
5902845	7097485	1120938	---	---	---	1,56	down
5902862	7213945	1407853	---	---	---	1,28	down
5902990	7116540	1168645	---	---	---	1,55	down

5903041	7231533	1451507	---	---	---	2,17	up
5903067	7125348	1190088	---	---	---	1,02	down
5903120	7217434	1416381	---	---	---	1,04	up
5903142	7199743	1375182	---	---	---	1,21	down
5903181	7212587	1404633	---	---	---	1,47	up
5903510	7166867	1291369	---	---	---	1,04	up
5903528	7294911	1608528	---	---	---	1,13	up
5903582	7237814	1467825	---	---	---	2,15	down
5903616	7324760	1683099	---	---	---	1,03	up
5903690	7217679	1417312	---	---	---	1,67	down
5903794	7289075	1594461	---	---	---	1,08	down
5903804	7253088	1505123	---	---	---	1,21	down
5903828	7211363	1402053	---	---	---	1,13	down
5903832	7308262	1643187	---	---	---	1,09	down
5903900	7261580	1526745	---	---	---	1,50	down
5903969	7302860	1629027	---	---	---	1,36	up
5903973	7231557	1451568	---	---	---	1,01	down
5903981	7098831	1124862	---	---	---	2,42	down
5904008	7337425	1713161	---	---	---	1,34	down
5904067	7236492	1464553	---	---	---	2,68	up
5904122	7221855	1427225	---	---	---	1,39	down
5904180	7053874	1018317	---	---	---	1,20	down
5904188	7355138	1757772	---	---	---	1,13	down
5904205	7029078	958875	---	---	---	1,05	up
5904271	7341546	1723955	---	---	---	1,16	down
5904278	7380497	1821850	---	---	---	1,04	down
5904476	7080134	1079799	---	---	---	2,47	down
5904682	7258455	1518738	---	---	---	2,83	up
5904691	7096924	1119615	---	---	---	1,28	up
5904826	7064134	1041456	---	---	---	1,11	up
5904914	7172373	1305563	---	---	---	2,29	down
5904960	7330238	1695951	---	---	---	1,14	down
5905048	7333333	1703393	---	---	---	1,03	down
5905087	7363529	1777914	---	---	---	1,48	down
5905102	7065860	1045796	---	---	---	1,67	up
5905151	7073677	1065124	---	---	---	2,31	up
5905170	7226812	1439351	---	---	---	1,45	up
5905526	7148741	1247862	---	---	---	1,88	down
5905616	7100523	1128902	---	---	---	1,11	up
5905716	7293402	1604848	---	---	---	1,06	up
5905788	7089080	1101169	---	---	---	1,19	up
5905829	7265259	1535448	---	---	---	1,34	down
5905833	7177180	1317764	---	---	---	1,44	up
5905862	7065860	1045805	---	---	---	1,28	up
5905912	7274892	1559567	---	---	---	1,10	down
5906019	7118157	1172524	---	---	---	1,00	down
5906148	7331413	1699131	---	---	---	1,57	up
5906167	7119179	1174970	---	---	---	1,36	up
5906209	7095066	1115290	---	---	---	1,96	up
5906265	7374790	1808782	---	---	---	1,00	down
5906308	7312686	1653620	---	---	---	1,00	down
5906313	7061003	1033923	---	---	---	1,28	up
5906378	7230698	1449067	---	---	---	2,06	up
5906509	7038153	981161	---	---	---	1,32	down
5906532	7062233	1037209	---	---	---	1,33	up
5906544	7064134	1041468	---	---	---	1,16	up
5906559	7299650	1620951	---	---	---	1,03	up

5906581	7076236	1071188	---	---	---	1,05	down
5906645	7243363	1481615	---	---	---	1,60	up
5906659	7130917	1203926	---	---	---	1,20	up
5906745	7341646	1724193	---	---	---	1,41	up
5906788	7079475	1078293	---	---	---	1,14	down
5906861	7069142	1053874	---	---	---	1,05	down
5906887	7243901	1483057	---	---	---	1,07	down
5906918	7307424	1641138	---	---	---	1,95	up
5906938	7300392	1622753	---	---	---	1,14	up
5907103	7303777	1631908	---	---	---	1,38	down
5907108	7371682	1800791	---	---	---	1,77	down
5907159	7281877	1577530	---	---	---	1,19	down
5907407	7065860	1045796	---	---	---	1,10	up
5907436	7339834	1719558	---	---	---	1,29	up
5907456	7227433	1440953	---	---	---	1,14	down
5907490	7300392	1622752	---	---	---	1,30	up
5907542	7213908	1407761	---	---	---	1,34	up
5907742	7243363	1481594	---	---	---	1,15	down
5907865	7120039	1177522	---	---	---	1,12	up
5907872	7358859	1767007	---	---	---	1,03	up
5907922	7374790	1808780	---	---	---	1,10	down
5907996	7038659	982163	---	---	---	1,02	down
5908045	7098867	1124950	---	---	---	1,26	up
5908163	7197138	1368012	---	---	---	1,58	down
5908176	7100408	1128640	---	---	---	1,02	down
5908272	7231152	1450232	---	---	---	1,08	down
5908311	7151063	1253061	---	---	---	1,20	down
5908320	7207069	1392031	---	---	---	1,87	down
5908338	7383102	1827393	---	---	---	2,11	down
5908341	7243627	1482355	---	---	---	1,57	down
5908389	7225543	1435936	---	---	---	2,21	down
5908423	7309646	1646517	---	---	---	1,28	down
5908431	7280743	1574478	---	---	---	1,12	down
5908689	7281188	1575803	---	---	---	1,03	down
5908779	7097485	1120935	---	---	---	1,29	up
5908796	7253215	1505380	---	---	---	1,33	down
5908872	7093936	1112479	---	---	---	1,02	up
5909079	7319773	1671870	---	---	---	1,30	down
5909101	7281924	1577711	---	---	---	1,08	down
5909120	7043379	993650	---	---	---	1,03	down
5909184	7330238	1695935	---	---	---	1,20	up
5909378	7280982	1575212	---	---	---	1,18	up
5909380	7095041	1115164	---	---	---	1,69	up
5909454	7240569	1475462	---	---	---	1,02	up
5909469	7180732	1326734	---	---	---	2,14	down
5909487	7167325	1292547	---	---	---	1,10	down
5909494	7198210	1370973	---	---	---	1,49	up
5909528	7176456	1315829	---	---	---	1,19	up
5909586	7136746	1217968	---	---	---	1,37	up
5909596	7059917	1031331	---	---	---	1,11	up
5909663	7039303	983867	---	---	---	1,03	up
5909673	7050716	1011228	---	---	---	1,65	down
5909677	7297589	1615687	---	---	---	1,20	up
5909707	7337425	1713194	---	---	---	1,19	up
5909708	7183182	1333559	---	---	---	1,66	down
5909710	7088164	1098477	---	---	---	1,22	up
5909758	7131550	1205555	---	---	---	1,09	up

5909797	7200129	1375998	---	---	---	1,18	down
5909848	7274585	1558769	---	---	---	1,30	up
5909856	7337522	1713596	---	---	---	2,10	down
5909895	7264653	1534044	---	---	---	1,31	up
5909937	7062233	1037229	---	---	---	1,08	down
5909987	7058713	1028666	---	---	---	1,02	up
5909993	7360486	1770949	---	---	---	1,40	up
5910013	7062233	1037215	---	---	---	2,39	up
5910056	7043515	994013	---	---	---	1,13	up
5910059	7073624	1064919	---	---	---	2,20	down
5910069	7374324	1807496	---	---	---	1,35	up
5910111	7283429	1581219	---	---	---	1,15	down
5910226	7186240	1340820	---	---	---	1,02	down
5910328	7039532	984440	---	---	---	1,51	up
5910455	7381993	1825218	---	---	---	2,59	up
5910618	7255120	1510371	---	---	---	1,15	up
5910642	7193403	1359196	---	---	---	1,01	up
5910749	7127540	1195270	---	---	---	1,32	down
5910871	7366728	1785433	---	---	---	1,64	down
5910917	7070869	1058469	---	---	---	1,14	down
5910988	7167325	1292547	---	---	---	1,00	up
5911067	7297589	1615649	---	---	---	1,51	down
5911086	7208784	1396151	---	---	---	1,23	down
5911108	7267204	1539852	---	---	---	1,02	up
5911165	7244027	1483290	---	---	---	1,85	up
5911181	7247848	1492065	---	---	---	1,03	up
5911185	7146542	1242262	---	---	---	1,07	up
5911216	7278010	1568046	---	---	---	2,78	up
5911241	7073854	1065633	---	---	---	1,19	down
5911295	7361075	1772332	---	---	---	1,60	up
5911385	7280743	1574525	---	---	---	1,60	up
5911449	7365183	1781915	---	---	---	1,00	up
5911461	7029770	960158	---	---	---	1,04	down
5911535	7289075	1594468	---	---	---	1,01	up
5911559	7121849	1181807	---	---	---	1,21	down
5911594	7384073	1829452	---	---	---	1,74	down
5911644	7071264	1059355	---	---	---	1,04	up
5911824	7156372	1266706	---	---	---	1,17	down
5911852	7297589	1615687	---	---	---	1,04	up
5912085	7312566	1653322	---	---	---	1,84	down
5912099	7069239	1054080	---	---	---	1,44	down
5912153	7337845	1714340	---	---	---	1,11	up
5912260	7079326	1077973	---	---	---	1,14	down
5912271	7176275	1315340	---	---	---	1,37	down
5912288	7243628	1482364	---	---	---	1,34	down
5912382	7059584	1030546	---	---	---	2,10	down
5912435	7028326	957435	---	---	---	1,00	up
5912450	7069603	1055049	---	---	---	1,13	up
5912468	7188829	1346653	---	---	---	1,54	down
5912548	7096924	1119603	---	---	---	2,68	down
5912555	7099573	1126742	---	---	---	2,07	up
5912651	7223395	1431078	---	---	---	1,04	down
5912688	7339387	1718396	---	---	---	1,59	down
5912843	7289382	1595213	---	---	---	1,02	up
5912942	7057462	1025863	---	---	---	1,23	up
5913037	7043515	994016	---	---	---	1,14	down
5913065	7288170	1592321	---	---	---	1,01	up

5913144	7240224	1474394	---	---	---	1,09	down
5913248	7318139	1668068	---	---	---	1,58	down
5913271	7095066	1115287	---	---	---	1,01	down
5913302	7295652	1610305	---	---	---	1,02	up
5913328	7368004	1789332	---	---	---	1,57	up
5913407	7367969	1789094	---	---	---	1,49	down
5913611	7329135	1693488	---	---	---	1,06	up
5913648	7356619	1761331	---	---	---	1,43	up
5913673	7122131	1182668	---	---	---	1,05	down
5913690	7198210	1370972	---	---	---	1,23	down
5913691	7148741	1247833	---	---	---	1,31	down
5913766	7056333	1023680	---	---	---	1,19	up
5913860	7259925	1522548	---	---	---	1,25	up
5913937	7169732	1298782	---	---	---	1,05	down
5913970	7110401	1153055	---	---	---	1,19	down
5913987	7303777	1631901	---	---	---	1,32	down
5914115	7353997	1754703	---	---	---	1,02	up
5914176	7353284	1752982	---	---	---	1,24	up
5914253	7280743	1574481	---	---	---	1,25	up
5914278	7031662	964367	---	---	---	1,02	down
5914370	7166867	1291300	---	---	---	1,06	down
5914417	7181105	1327967	---	---	---	1,28	up
5914511	7131550	1205555	---	---	---	1,51	down
5914525	7360486	1770935	---	---	---	1,05	down
5914688	7248790	1494513	---	---	---	1,07	up
5914754	7139026	1223494	---	---	---	1,14	down
5914779	7075445	1069360	---	---	---	1,45	down
5914825	7183927	1335500	---	---	---	1,81	up
5915004	7100523	1128925	---	---	---	1,84	up
5915033	7313841	1656721	---	---	---	1,01	up
5915088	7267000	1539308	---	---	---	1,20	down
5915117	7094158	1112969	---	---	---	3,23	down
5915119	7168521	1295960	---	---	---	1,21	up
5915148	7131766	1205862	---	---	---	1,08	down
5915301	7346505	1736286	---	---	---	2,09	down
5915379	7337425	1713214	---	---	---	1,03	down
5915394	7069721	1055311	---	---	---	1,14	up
5915559	7025670	950443	---	---	---	1,12	up
5915637	7254053	1507638	---	---	---	1,22	up
5915655	7070461	1057368	---	---	---	1,11	up
5915663	7202749	1382053	---	---	---	1,17	down
5915666	7327169	1688459	---	---	---	1,03	down
5915683	7273251	1555948	---	---	---	1,03	up
5915827	7139825	1225356	---	---	---	1,07	down
5915853	7335637	1708470	---	---	---	1,88	up
5916077	7336931	1711869	---	---	---	1,03	down
5916109	7115963	1167042	---	---	---	1,17	down
5916130	7115362	1165596	---	---	---	1,04	up
5916147	7186688	1341840	---	---	---	1,09	up
5916174	7326271	1686474	---	---	---	1,08	down
5916279	7327169	1688468	---	---	---	1,08	down
5916400	7264808	1534473	---	---	---	1,14	down
5916427	7297274	1614654	---	---	---	1,33	up
5916431	7030549	961798	---	---	---	1,26	down
5916522	7364346	1780021	---	---	---	1,44	up
5916569	7361881	1773956	---	---	---	1,45	up
5916762	7244287	1484085	---	---	---	1,21	up

5916848	7109292	1150747	---	---	---	1,52	down
5916878	7148978	1248546	---	---	---	1,03	down
5916901	7128704	1198021	---	---	---	1,22	up
5916904	7217679	1417307	---	---	---	1,00	up
5916923	7088164	1098472	---	---	---	2,28	down
5916964	7120565	1178735	---	---	---	1,10	down
5916976	7201422	1379187	---	---	---	1,52	up
5917150	7309738	1646950	---	---	---	2,26	down
5917177	7231834	1452269	---	---	---	2,14	up
5917241	7344836	1732411	---	---	---	1,10	down
5917249	7340673	1721694	---	---	---	1,35	down
5917284	7280743	1574570	---	---	---	1,26	up
5917312	7097454	1120881	---	---	---	1,88	down
5917351	7211363	1402044	---	---	---	2,33	down
5917428	7291803	1600885	---	---	---	1,06	up
5917433	7381993	1825219	---	---	---	2,85	up
5917471	7038153	981158	---	---	---	1,07	down
5917475	7309738	1646955	---	---	---	1,10	up
5917489	7249019	1495081	---	---	---	1,36	down
5917501	7288077	1591997	---	---	---	1,09	up
5917557	7056333	1023677	---	---	---	1,40	down
5917601	7074911	1068180	---	---	---	1,02	down
5917658	7227474	1441146	---	---	---	1,08	up
5917739	7318714	1669233	---	---	---	1,01	down
5917741	7038530	981874	---	---	---	1,35	up
5917756	7243628	1482367	---	---	---	1,64	up
5917834	7318651	1669071	---	---	---	1,18	up
5917899	7039302	983841	---	---	---	1,54	down
5917917	7355138	1757825	---	---	---	1,32	down
5918006	7041609	989592	---	---	---	1,14	up
5918172	7126400	1192530	---	---	---	1,04	down
5918212	7100408	1128644	---	---	---	1,24	down
5918287	7079475	1078289	---	---	---	1,07	up
5918290	7227433	1440973	---	---	---	1,51	up
5918301	7313841	1656711	---	---	---	1,04	up
5918381	7259221	1520632	---	---	---	1,16	down
5918406	7364582	1780559	---	---	---	2,06	up
5918410	7099573	1126733	---	---	---	1,04	up
5918540	7223395	1431083	---	---	---	1,19	up
5918597	7380497	1821871	---	---	---	1,13	up
5918859	7350918	1747308	---	---	---	1,69	down
5919000	7370002	1795788	---	---	---	2,10	up
5919051	7035525	974789	---	---	---	1,10	down
5919089	7183182	1333574	---	---	---	1,27	down
5919114	7380497	1821826	---	---	---	1,06	down
5919192	7142917	1233182	---	---	---	1,36	up
5919193	7262570	1528975	---	---	---	1,51	down
5919258	7181286	1328519	---	---	---	1,23	up
5919352	7035525	974784	---	---	---	1,18	down
5919456	7087282	1096204	---	---	---	1,42	up
5919500	7143455	1234725	---	---	---	1,03	down
5919533	7264745	1534279	---	---	---	1,15	down
5919647	7140365	1226794	---	---	---	1,40	down
5919666	7280743	1574485	---	---	---	1,03	up
5919668	7068259	1051649	---	---	---	1,34	down
5919694	7339732	1719218	---	---	---	1,39	down
5919727	7093936	1112469	---	---	---	1,29	down

5919758	7080476	1080404	---	---	---	1,08	up
5919773	7384073	1829463	---	---	---	1,08	up
5919796	7127801	1195863	---	---	---	1,80	up
5919810	7167872	1294036	---	---	---	1,19	up
5919862	7179914	1324717	---	---	---	1,03	up
5919965	7368004	1789332	---	---	---	1,46	up
5919982	7373038	1804293	---	---	---	1,45	down
5920001	7143412	1234610	---	---	---	1,04	up
5920142	7093936	1112479	---	---	---	1,06	down
5920171	7099573	1126724	---	---	---	1,11	up
5920187	7341646	1724194	---	---	---	2,22	up
5920222	7071659	1060233	---	---	---	1,01	down
5920269	7039532	984439	---	---	---	1,07	up
5920270	7212285	1403974	---	---	---	2,31	up
5920401	7285563	1586041	---	---	---	1,03	up
5920411	7259221	1520615	---	---	---	1,30	up
5920475	7217434	1416351	---	---	---	1,08	up
5920555	7367980	1789167	---	---	---	1,33	up
5920579	7260066	1522900	---	---	---	1,24	down
5920599	7049689	1008886	---	---	---	1,46	up
5920644	7171091	1302468	---	---	---	1,24	down
5920651	7317274	1665631	---	---	---	1,27	down
5920677	7363674	1778439	---	---	---	1,05	up
5920708	7297756	1616095	---	---	---	1,19	up
5920741	7309734	1646874	---	---	---	1,01	down
5920763	7309734	1646920	---	---	---	1,23	up
5920873	7059506	1030389	---	---	---	1,31	down
5920894	7069830	1055636	---	---	---	1,45	up
5920949	7128112	1196567	---	---	---	1,45	down
5920958	7340757	1721900	---	---	---	1,07	down
5921053	7165644	1288009	---	---	---	2,23	down
5921061	7093255	1110763	---	---	---	1,12	down
5921103	7312566	1653304	---	---	---	1,65	down
5921173	7132263	1206889	---	---	---	1,02	down
5921292	7166867	1291308	---	---	---	1,23	up
5921303	7244290	1484145	---	---	---	1,01	down
5921335	7357026	1762225	---	---	---	1,01	up
5921396	7071659	1060236	---	---	---	1,08	down
5921408	7184151	1335967	---	---	---	1,17	down
5921462	7128112	1196522	---	---	---	1,11	up
5921711	7363529	1777909	---	---	---	1,15	down
5921779	7148741	1247828	---	---	---	2,65	down
5921798	7179785	1324499	---	---	---	1,27	down
5921822	7321414	1675632	---	---	---	1,10	down
5921845	7355138	1757706	---	---	---	1,00	down
5921850	7086522	1093935	---	---	---	1,35	down
5921912	7293402	1604856	---	---	---	1,01	up
5921936	7059020	1029347	---	---	---	1,31	up
5922019	7277783	1567465	---	---	---	1,03	up
5922166	7197138	1368008	---	---	---	1,16	up
5922292	7056333	1023675	---	---	---	1,15	down
5922461	7243363	1481603	---	---	---	1,13	up
5922469	7279073	1570680	---	---	---	1,59	down
5922508	7371228	1799461	---	---	---	1,06	down
5922575	7178752	1321784	---	---	---	1,41	up
5922583	7337425	1713145	---	---	---	1,05	up
5922591	7364346	1779980	---	---	---	1,72	down

5922684	7200996	1378153	---	---	---	1,68	down
5922712	7217747	1417495	---	---	---	1,00	down
5922783	7043515	994009	---	---	---	1,07	up
5922799	7127540	1195270	---	---	---	1,14	up
5922810	7175946	1314642	---	---	---	1,08	up
5922835	7084792	1090341	---	---	---	1,12	down
5922840	7168521	1295954	---	---	---	1,08	down
5922862	7096924	1119619	---	---	---	1,41	up
5922869	7068259	1051626	---	---	---	1,24	down
5922925	7198210	1370984	---	---	---	1,04	down
5922975	7068259	1051610	---	---	---	1,15	down
5922985	7132125	1206639	---	---	---	1,29	up
5923031	7096924	1119624	---	---	---	2,72	down
5923316	7358859	1766970	---	---	---	1,16	down
5923393	7148741	1247862	---	---	---	1,06	up
5923429	7305275	1635822	---	---	---	1,15	up
5923502	7281924	1577739	---	---	---	1,71	down
5923564	7212735	1405035	---	---	---	2,37	up
5923565	7244027	1483278	---	---	---	1,14	up
5923679	7237346	1466593	---	---	---	1,06	down
5923706	7337425	1713147	---	---	---	1,05	down
5923742	7138349	1221926	---	---	---	1,36	up
5923821	7146093	1240986	---	---	---	1,11	down
5923873	7309734	1646889	---	---	---	1,09	down
5923888	7244288	1484120	---	---	---	1,59	down
5923934	7039725	984831	---	---	---	1,04	up
5924026	7219605	1422065	---	---	---	1,72	down
5924064	7137751	1220585	---	---	---	1,37	up
5924073	7058507	1028294	---	---	---	1,08	up
5924108	7268693	1544184	---	---	---	1,48	down
5924121	7139026	1223508	---	---	---	2,24	up
5924315	7381090	1822986	---	---	---	1,13	up
5924333	7055793	1022296	---	---	---	1,10	up
5924391	7358859	1767006	---	---	---	1,14	down
5924418	7097084	1119949	---	---	---	4,06	up
5924464	7030087	960788	---	---	---	1,17	down
5924478	7309734	1646874	---	---	---	1,02	down
5924516	7108556	1148719	---	---	---	1,39	down
5924689	7217650	1417182	---	---	---	1,44	down
5924727	7052331	1014597	---	---	---	1,10	up
5924821	7150348	1251398	---	---	---	1,07	down
5924838	7330396	1696335	---	---	---	1,07	down
5924874	7194540	1362117	---	---	---	1,04	up
5924934	7093835	1112220	---	---	---	1,18	up
5924944	7274892	1559526	---	---	---	1,39	up
5924956	7055876	1022469	---	---	---	1,31	down
5925012	7110401	1153058	---	---	---	1,21	up
5925061	7290775	1598594	---	---	---	1,11	up
5925169	7231557	1451567	---	---	---	1,08	up
5925172	7274780	1559208	---	---	---	1,06	down
5925207	7168403	1295573	---	---	---	1,75	down
5925209	7146082	1240853	---	---	---	1,06	down
5925269	7243363	1481583	---	---	---	1,23	down
5925340	7217747	1417505	---	---	---	1,00	down
5925348	7375937	1811362	---	---	---	1,03	down
5925403	7115963	1167059	---	---	---	1,07	up
5925492	7250511	1498628	---	---	---	1,08	down

5925553	7153895	1259919	---	---	---	2,13	down
5925623	7312566	1653321	---	---	---	1,60	down
5925642	7235840	1462994	---	---	---	1,59	up
5925689	7039725	984832	---	---	---	1,97	up
5925702	7138349	1221925	---	---	---	1,76	up
5925706	7330223	1695875	---	---	---	1,08	up
5925708	7033006	968471	---	---	---	1,11	up
5925736	7354896	1756996	---	---	---	1,14	down
5925802	7070393	1057213	---	---	---	1,25	down
5925871	7374324	1807472	---	---	---	1,12	down
5925933	7363922	1778872	---	---	---	1,32	down
5926114	7255911	1512225	---	---	---	2,08	up
5926192	7146872	1242900	---	---	---	1,16	up
5926230	7340673	1721711	---	---	---	1,02	up
5926476	7155866	1265336	---	---	---	1,13	up
5926483	7127691	1195628	---	---	---	1,09	up
5926728	7127540	1195298	---	---	---	2,35	down
5926835	7231484	1451369	---	---	---	1,03	up
5926849	7174281	1310877	---	---	---	1,40	down
5926971	7318143	1668091	---	---	---	2,38	down
5927006	7068413	1051976	---	---	---	1,10	up
5927017	7286807	1588798	---	---	---	1,03	down
5927052	7142081	1230973	---	---	---	1,16	up
5927140	7138349	1221926	---	---	---	1,12	up
5927171	7034293	971956	---	---	---	1,09	down
5927348	7065273	1044610	---	---	---	1,17	down
5927519	7340757	1721907	---	---	---	1,11	down
5927548	7273744	1557022	---	---	---	1,31	up
5927591	7217650	1417194	---	---	---	1,14	up
5927610	7194400	1361755	---	---	---	1,05	up
5927615	7274892	1559555	---	---	---	1,75	down
5927617	7373634	1805724	---	---	---	1,00	down
5927637	7258784	1519674	---	---	---	1,33	down
5927640	7374324	1807503	---	---	---	1,23	down
5927643	7065810	1045682	---	---	---	1,03	down
5927750	7093296	1110906	---	---	---	1,28	up
5927830	7098411	1123705	---	---	---	1,06	down
5927863	7088489	1099518	---	---	---	1,26	up
5927966	7179785	1324491	---	---	---	1,50	down
5927994	7131550	1205565	---	---	---	1,02	up
5928006	7122140	1182708	---	---	---	1,10	up
5928015	7088538	1099634	---	---	---	1,59	up
5928188	7168979	1297185	---	---	---	1,23	up
5928205	7318714	1669245	---	---	---	1,10	down
5928492	7137646	1220437	---	---	---	1,64	down
5928510	7258455	1518740	---	---	---	1,27	down
5928642	7371001	1798852	---	---	---	1,22	up
5928810	7307473	1641271	---	---	---	1,51	down
5928841	7279533	1571916	---	---	---	1,56	up
5928861	7364346	1780004	---	---	---	1,60	up
5928885	7217434	1416373	---	---	---	1,03	down
5928888	7336854	1711688	---	---	---	1,36	down
5928907	7043379	993638	---	---	---	1,11	up
5928934	7345456	1733791	---	---	---	1,14	up
5929018	7277719	1567068	---	---	---	2,38	up
5929029	7198210	1370985	---	---	---	1,21	down
5929091	7099573	1126714	---	---	---	1,03	down

5929118	7115362	1165593	---	---	---	1,25	down
5929270	7337845	1714334	---	---	---	1,39	up
5929377	7180732	1326738	---	---	---	1,31	down
5929526	7165644	1288026	---	---	---	1,13	up
5929614	7070393	1057214	---	---	---	1,13	down
5929676	7227433	1440958	---	---	---	1,21	down
5929713	7041609	989593	---	---	---	1,39	down
5929760	7034293	971965	---	---	---	1,09	down
5929776	7214605	1409375	---	---	---	1,17	up
5929815	7170764	1301447	---	---	---	1,81	up
5929930	7035525	974783	---	---	---	1,32	down
5930035	7162959	1282088	---	---	---	1,22	up
5930116	7366749	1785486	---	---	---	1,19	down
5930129	7068259	1051642	---	---	---	1,83	up
5930166	7155866	1265339	---	---	---	1,23	down
5930223	7284934	1584914	---	---	---	1,31	down
5930455	7080563	1080714	---	---	---	2,44	down
5930610	7165954	1288770	---	---	---	1,23	down
5930701	7049184	1007933	---	---	---	1,44	down
5930732	7040674	987042	---	---	---	2,41	up
5930743	7372840	1803770	---	---	---	1,49	down
5930856	7363576	1778194	---	---	---	1,27	up
5930886	7244290	1484160	---	---	---	1,26	down
5930914	7384509	1830747	---	---	---	1,96	down
5930927	7364582	1780527	---	---	---	1,03	down
5931096	7236358	1464222	---	---	---	1,82	down
5931221	7334855	1706951	---	---	---	1,06	up
5931302	7045955	1000739	---	---	---	1,46	down
5931415	7148978	1248545	---	---	---	1,09	down
5931448	7153136	1258046	---	---	---	1,84	down
5931469	7061550	1035289	---	---	---	1,50	down
5931490	7292869	1603424	---	---	---	1,15	up
5931499	7208784	1396147	---	---	---	1,16	up
5931704	7160053	1275382	---	---	---	1,45	down
5931714	7359453	1768454	---	---	---	2,53	down
5931730	7225317	1435358	---	---	---	1,07	down
5931863	7329846	1694987	---	---	---	1,42	down
5932034	7179176	1322915	---	---	---	1,11	down
5932153	7376566	1812868	---	---	---	1,67	up
5932157	7297589	1615661	---	---	---	1,00	down
5932188	7243894	1482967	---	---	---	1,06	up
5932245	7034356	972174	---	---	---	1,06	up
5932273	7063716	1040156	---	---	---	1,09	down
5932274	7211363	1402043	---	---	---	1,35	down
5932372	7132125	1206624	---	---	---	1,00	up
5932400	7069830	1055605	---	---	---	1,77	down
5932424	7342356	1725893	---	---	---	1,16	down
5932429	7280743	1574541	---	---	---	1,46	up
5932495	7320850	1674403	---	---	---	2,20	up
5932503	7232958	1455322	---	---	---	1,06	down
5932553	7380497	1821833	---	---	---	1,06	up
5932731	7339379	1718343	---	---	---	1,14	up
5932774	7064732	1042910	---	---	---	2,67	down
5932910	7344406	1731186	---	---	---	1,18	up
5932970	7095960	1117066	---	---	---	1,12	up
5932981	7281924	1577730	---	---	---	1,24	up
5933073	7231484	1451368	---	---	---	1,34	down

5933077	7053874	1018331	---	---	---	1,52	up
5933159	7068987	1053587	---	---	---	1,88	down
5933294	7237940	1468164	---	---	---	1,14	up
5933334	7076236	1071199	---	---	---	1,04	down
5933470	7340990	1722516	---	---	---	1,57	down
5933480	7088625	1099881	---	---	---	1,37	up
5933524	7118157	1172515	---	---	---	1,05	down
5933533	7146245	1241349	---	---	---	1,09	up
5933577	7228520	1443766	---	---	---	1,12	up
5933737	7130889	1203866	---	---	---	1,26	down
5933767	7053874	1018348	---	---	---	1,07	up
5933931	7071969	1060902	---	---	---	1,08	up
5933975	7075445	1069352	---	---	---	1,02	down
5933993	7277783	1567476	---	---	---	1,36	down
5934087	7055687	1022016	---	---	---	1,74	down
5934099	7150047	1250783	---	---	---	1,05	down
5934111	7293402	1604807	---	---	---	1,07	up
5934172	7075445	1069352	---	---	---	1,17	down
5934229	7320735	1674154	---	---	---	1,14	up
5934231	7194400	1361754	---	---	---	1,29	up
5934345	7076099	1070671	---	---	---	1,38	up
5934422	7153136	1258043	---	---	---	1,24	up
5934463	7200129	1375996	---	---	---	1,12	down
5934533	7267802	1541816	---	---	---	1,05	up
5934671	7355138	1757805	---	---	---	1,54	down
5934711	7337425	1713146	---	---	---	1,12	up
5934749	7074911	1068173	---	---	---	1,03	down
5934753	7181286	1328462	---	---	---	1,03	down
5934773	7209927	1398916	---	---	---	1,43	down
5934878	7376820	1813400	---	---	---	1,08	up
5934942	7113483	1161020	---	---	---	1,21	up
5934997	7366749	1785526	---	---	---	1,30	down
5935003	7279881	1572746	---	---	---	1,37	up
5935074	7285563	1586040	---	---	---	1,08	up
5935130	7314270	1657753	---	---	---	1,07	down
5935140	7322388	1677319	---	---	---	1,26	down
5935172	7177834	1319597	---	---	---	1,41	up
5935199	7267953	1542238	---	---	---	2,12	down
5935265	7243647	1482487	---	---	---	1,10	up
5935272	7194400	1361767	---	---	---	1,13	up
5935278	7210263	1399761	---	---	---	1,08	up
5935330	7198210	1371004	---	---	---	1,72	down
5935349	7293402	1604692	---	---	---	1,09	up
5935366	7279568	1572023	---	---	---	1,07	up
5935459	7056333	1023671	---	---	---	1,16	down
5935466	7281924	1577753	---	---	---	1,80	up
5935502	7086966	1095260	---	---	---	1,02	up
5935538	7132125	1206599	---	---	---	1,71	down
5935577	7291803	1600885	---	---	---	1,03	down
5935621	7337425	1713195	---	---	---	1,21	down
5935731	7297589	1615679	---	---	---	1,16	up
5935743	7339379	1718320	---	---	---	1,04	up
5935778	7186688	1341844	---	---	---	1,00	down
5935821	7280425	1573805	---	---	---	2,14	down
5935979	7312250	1652646	---	---	---	1,66	up
5936042	7165954	1288767	---	---	---	1,40	down
5936057	7282343	1578668	---	---	---	1,09	down

5936208	7368000	1789293	---	---	---	1,24	down
5936236	7264745	1534279	---	---	---	1,50	down
5936279	7044349	996663	---	---	---	1,26	down
5936378	7193403	1359190	---	---	---	1,67	up
5936417	7346505	1736288	---	---	---	1,22	up
5936481	7160687	1277001	---	---	---	1,35	up
5936526	7341243	1723220	---	---	---	1,08	down
5936607	7099573	1126706	---	---	---	1,20	up
5936633	7321029	1674820	---	---	---	1,15	down
5936690	7139708	1225051	---	---	---	1,67	down
5936865	7302787	1628884	---	---	---	1,01	down
5936927	7318143	1668088	---	---	---	1,24	up
5937130	7226277	1437988	---	---	---	1,39	down
5937238	7080563	1080719	---	---	---	1,35	up
5937293	7053874	1018317	---	---	---	1,08	up
5937532	7374324	1807530	---	---	---	1,06	up
5937603	7119845	1176905	---	---	---	1,08	down
5937619	7375673	1810748	---	---	---	1,70	down
5937637	7146425	1241886	---	---	---	1,21	up
5937669	7084500	1089711	---	---	---	2,07	up
5937729	7070869	1058491	---	---	---	1,26	down
5937779	7241163	1476819	---	---	---	1,74	up
5937788	7374313	1807388	---	---	---	2,28	up
5937816	7377791	1816004	---	---	---	1,56	down
5937820	7327169	1688472	---	---	---	2,21	down
5937902	7068413	1051980	---	---	---	1,10	up
5937953	7330731	1697189	---	---	---	1,10	down
5938009	7237672	1467295	---	---	---	1,35	up
5938107	7274780	1559182	---	---	---	1,07	down
5938236	7184850	1337601	---	---	---	1,53	up
5938237	7337872	1714460	---	---	---	1,28	up
5938406	7213908	1407758	---	---	---	1,00	up
5938532	7266544	1538346	---	---	---	1,40	up
5938556	7168439	1295711	---	---	---	1,01	down
5938565	7116103	1167608	---	---	---	1,49	up
5938568	7379492	1819698	---	---	---	1,11	down
5938575	7122585	1183686	---	---	---	1,11	down
5938632	7240569	1475396	---	---	---	1,00	up
5938653	7237672	1467295	---	---	---	1,14	down
5938678	7131876	1206049	---	---	---	1,38	up
5938701	7217650	1417171	---	---	---	1,32	up
5938760	7376566	1812866	---	---	---	1,53	down
5938836	7247230	1490586	---	---	---	1,30	down
5938965	7302787	1628884	---	---	---	1,28	up
5939028	7384904	1831598	---	---	---	1,09	down
5939061	7158419	1271430	---	---	---	1,11	up
5939175	7225543	1435940	---	---	---	1,02	up
5939264	7027797	956300	---	---	---	1,08	up
5939374	7384509	1830744	---	---	---	1,16	up
5939472	7344406	1731193	---	---	---	1,21	down
5939484	7261592	1526858	---	---	---	1,25	down
5939551	7079238	1077823	---	---	---	1,09	up
5939578	7169732	1298758	---	---	---	2,08	down
5939580	7236358	1464242	---	---	---	1,11	up
5939655	7060896	1033555	---	---	---	1,08	down
5939684	7363674	1778437	---	---	---	1,07	up
5939864	7198210	1370960	---	---	---	1,54	down

5939870	7121849	1181823	---	---	---	1,08	down
5939880	7055793	1022297	---	---	---	1,01	down
5940112	7340304	1720859	---	---	---	1,35	down
5940132	7035525	974774	---	---	---	1,03	up
5940157	7197056	1367844	---	---	---	2,35	down
5940169	7330731	1697165	---	---	---	1,21	up
5940461	7093255	1110763	---	---	---	1,07	down
5940580	7044349	996663	---	---	---	1,00	up
5940755	7307473	1641275	---	---	---	1,82	up
5940762	7337224	1712543	---	---	---	1,30	up
5940802	7197056	1367832	---	---	---	1,28	down
5940873	7031774	964706	---	---	---	1,79	up
5940886	7366749	1785519	---	---	---	1,02	up
5940895	7287337	1589985	---	---	---	2,70	down
5940990	7033337	969494	---	---	---	1,03	down
5941050	7186464	1341371	---	---	---	1,02	up
5941459	7380497	1821861	---	---	---	1,29	down
5941503	7267802	1541788	---	---	---	1,32	up
5941549	7249019	1495081	---	---	---	1,28	down
5941556	7236358	1464255	---	---	---	1,64	down
5941563	7068259	1051649	---	---	---	1,06	up
5941722	7088544	1099678	---	---	---	1,33	up
5941738	7213908	1407652	---	---	---	1,38	down
5941747	7162144	1280501	---	---	---	1,12	up
5941867	7040442	986513	---	---	---	1,64	up
5941907	7244027	1483281	---	---	---	1,68	up
5941918	7252877	1504785	---	---	---	1,06	up
5941988	7350993	1747545	---	---	---	1,18	up
5941989	7120379	1178332	---	---	---	1,17	down
5941991	7061948	1036375	---	---	---	1,13	down
5942148	7063873	1040642	---	---	---	1,45	down
5942188	7318286	1668328	---	---	---	1,16	down
5942277	7120427	1178425	---	---	---	2,07	down
5942376	7140365	1226772	---	---	---	1,40	up
5942395	7274892	1559548	---	---	---	1,03	up
5942400	7107926	1146840	---	---	---	1,33	up
5942504	7052385	1014792	---	---	---	1,54	down
5942520	7190242	1350323	---	---	---	1,42	down
5942618	7198210	1370988	---	---	---	1,50	down
5942727	7240569	1475470	---	---	---	1,01	down
5943018	7371677	1800755	---	---	---	2,74	up
5943036	7384509	1830721	---	---	---	1,89	down
5943071	7101206	1130456	---	---	---	1,06	down
5943089	7243253	1481228	---	---	---	2,03	down
5943092	7340263	1720748	---	---	---	1,12	down
5943103	7243726	1482679	---	---	---	1,07	up
5943126	7102708	1134316	---	---	---	1,20	up
5943160	7243647	1482456	---	---	---	1,00	down
5943221	7030519	961688	---	---	---	1,37	up
5943250	7239752	1473154	---	---	---	1,40	down
5943331	7069253	1054170	---	---	---	1,46	down
5943418	7039303	983865	---	---	---	1,01	up
5943510	7073677	1065160	---	---	---	1,66	down
5943543	7216994	1415187	---	---	---	1,41	up
5943579	7040674	987054	---	---	---	1,55	up
5943640	7090581	1104741	---	---	---	1,45	up
5943785	7156978	1268176	---	---	---	1,13	up

5943851	7176368	1315589	---	---	---	1,04	up
5943904	7039725	984820	---	---	---	1,30	down
5943970	7177428	1318395	---	---	---	1,05	down
5944010	7216994	1415186	---	---	---	1,11	up
5944024	7233178	1455903	---	---	---	1,02	down
5944102	7217650	1417187	---	---	---	1,03	up
5944134	7059971	1031460	---	---	---	1,00	down
5944164	7107503	1145765	---	---	---	1,02	down
5944295	7363529	1777901	---	---	---	1,09	up
5944333	7217679	1417317	---	---	---	1,36	down
5944373	7098867	1124948	---	---	---	1,08	up
5944457	7190534	1351230	---	---	---	1,44	up
5944485	7335903	1709287	---	---	---	1,84	down
5944517	7351844	1749495	---	---	---	2,26	down
5944564	7096461	1118271	---	---	---	1,08	up
5944605	7209811	1398665	---	---	---	1,33	up
5944740	7207971	1394316	---	---	---	1,19	up
5944749	7321204	1675165	---	---	---	1,05	down
5944776	7121849	1181787	---	---	---	1,07	down
5944851	7243363	1481624	---	---	---	1,94	down
5944862	7166867	1291333	---	---	---	1,47	up
5945189	7230628	1448867	---	---	---	1,08	down
5945494	7267953	1542230	---	---	---	2,16	down
5945506	7363674	1778421	---	---	---	1,04	down
5945609	7277719	1567079	---	---	---	1,03	down
5945651	7329846	1694993	---	---	---	1,26	down
5945718	7313841	1656731	---	---	---	1,11	up
5945726	7317318	1665834	---	---	---	1,42	up
5945812	7336931	1711860	---	---	---	1,07	down
5945846	7144389	1236781	---	---	---	1,38	up
5945864	7337224	1712606	---	---	---	3,22	up
5945911	7231484	1451384	---	---	---	1,20	up
5946002	7221855	1427255	---	---	---	1,49	down
5946013	7156052	1265784	---	---	---	1,69	down
5946265	7143455	1234731	---	---	---	1,12	up
5946272	7067828	1050795	---	---	---	1,15	up
5946304	7337845	1714347	---	---	---	1,03	down
5946331	7069721	1055294	---	---	---	1,05	up
5946358	7315571	1660971	---	---	---	2,75	up
5946399	7059584	1030550	---	---	---	1,50	up
5946424	7028326	957436	---	---	---	1,00	down
5946457	7223633	1431502	---	---	---	1,00	down
5946506	7231484	1451385	---	---	---	1,16	down
5946545	7071292	1059424	---	---	---	1,04	down
5946594	7056736	1024421	---	---	---	1,28	down
5946600	7128704	1198017	---	---	---	1,03	down
5946601	7374740	1808627	---	---	---	1,23	up
5946672	7361881	1773954	---	---	---	1,17	up
5946853	7243253	1481232	---	---	---	1,04	down
5946867	7087965	1098034	---	---	---	1,19	up
5946878	7068259	1051627	---	---	---	1,34	down
5946956	7065860	1045809	---	---	---	1,52	up
5946970	7196331	1366388	---	---	---	1,01	up
5946991	7297589	1615663	---	---	---	1,04	down
5947046	7081487	1082706	---	---	---	1,20	down
5947152	7029770	960157	---	---	---	1,09	down
5947158	7308679	1644246	---	---	---	1,16	up

5947165	7170764	1301472	---	---	---	1,29	up
5947217	7227433	1440971	---	---	---	1,39	up
5947349	7108434	1148302	---	---	---	1,50	down
5947387	7340757	1721899	---	---	---	1,66	down
5947413	7363674	1778440	---	---	---	1,06	up
5947506	7153895	1259914	---	---	---	1,41	down
5947614	7095041	1115172	---	---	---	1,24	up
5947631	7142917	1233179	---	---	---	1,47	up
5947794	7306330	1638537	---	---	---	1,58	up
5947830	7369954	1795675	---	---	---	1,28	down
5947947	7279593	1572093	---	---	---	2,11	down
5948036	7172373	1305568	---	---	---	1,00	up
5948148	7063716	1040162	---	---	---	1,28	up
5948215	7235840	1462991	---	---	---	1,21	up
5948242	7312338	1652777	---	---	---	5,12	down
5948271	7176368	1315564	---	---	---	1,33	down
5948290	7295652	1610286	---	---	---	1,56	down
5948317	7227474	1441113	---	---	---	2,25	down
5948321	7309734	1646942	---	---	---	1,02	up
5948478	7353232	1752808	---	---	---	1,01	down
5948503	7195680	1364871	---	---	---	2,33	up
5948550	7350489	1746118	---	---	---	2,35	down
5948567	7096680	1118809	---	---	---	1,40	up
5948604	7100523	1128872	---	---	---	1,05	down
5948628	7086966	1095242	---	---	---	1,08	up
5948646	7374324	1807531	---	---	---	1,34	down
5948698	7380497	1821866	---	---	---	1,46	up
5948718	7236131	1463786	---	---	---	1,13	down
5948757	7038179	981262	---	---	---	1,12	down
5948847	7302860	1629005	---	---	---	1,19	up
5948896	7279568	1572033	---	---	---	1,51	up
5948932	7216970	1415120	---	---	---	3,86	up
5948973	7098077	1122727	---	---	---	1,09	down
5948996	7350237	1745496	---	---	---	1,04	down
5948999	7231484	1451394	---	---	---	1,65	up
5949015	7039308	983908	---	---	---	1,23	down
5949121	7233513	1457171	---	---	---	1,60	up
5949163	7247907	1492244	---	---	---	1,06	down
5949169	7256789	1514641	---	---	---	2,29	down
5949183	7059309	1029905	---	---	---	1,78	down
5949275	7309738	1646948	---	---	---	1,32	down
5949313	7330396	1696372	---	---	---	1,16	up
5949344	7152974	1257656	---	---	---	1,06	up
5949373	7277742	1567162	---	---	---	1,45	down
5949417	7280743	1574561	---	---	---	1,38	up
5949425	7297589	1615621	---	---	---	1,06	down
5949461	7182739	1332585	---	---	---	1,21	up
5949580	7044349	996694	---	---	---	1,01	down
5949584	7240569	1475304	---	---	---	1,01	down
5949813	7043379	993638	---	---	---	2,78	up
5949854	7235794	1462895	---	---	---	1,39	down
5949868	7237672	1467294	---	---	---	1,20	up
5949929	7363674	1778421	---	---	---	2,03	up
5950014	7238252	1469133	---	---	---	1,00	down
5950027	7039725	984828	---	---	---	1,34	down
5950066	7360325	1770511	---	---	---	1,01	down
5950116	7253215	1505380	---	---	---	2,45	down

5950234	7110330	1152890	---	---	---	1,27	down
5950352	7365147	1781770	---	---	---	1,13	down
5950502	7363674	1778430	---	---	---	1,17	down
5950535	7071714	1060355	---	---	---	1,17	up
5950678	7181001	1327642	---	---	---	1,24	down
5950679	7288077	1591998	---	---	---	1,47	up
5950718	7307424	1641141	---	---	---	2,01	up
5950823	7208784	1396161	---	---	---	1,29	up
5950837	7098831	1124861	---	---	---	1,58	up
5950891	7244288	1484128	---	---	---	1,77	down
5950953	7184931	1337721	---	---	---	1,31	up
5950956	7286807	1588775	---	---	---	1,20	down
5950998	7052385	1014804	---	---	---	1,10	up
5951019	7350993	1747526	---	---	---	1,01	up
5951083	7142321	1231570	---	---	---	2,59	up
5951087	7205750	1388925	---	---	---	2,38	down
5951094	7252877	1504759	---	---	---	1,12	up
5951099	7099543	1126634	---	---	---	1,09	down
5951157	7202749	1382061	---	---	---	1,01	up
5951223	7064732	1042933	---	---	---	1,71	down
5951301	7361881	1773946	---	---	---	1,04	up
5951316	7364582	1780522	---	---	---	1,24	up
5951482	7236358	1464264	---	---	---	1,42	up
5951548	7089080	1101148	---	---	---	1,34	up
5951611	7056304	1023603	---	---	---	1,12	up
5951711	7373678	1805871	---	---	---	1,36	down
5951751	7336854	1711682	---	---	---	1,24	down
5951794	7326271	1686515	---	---	---	1,13	up
5951827	7252877	1504737	---	---	---	1,57	down
5951954	7238153	1468830	---	---	---	1,06	down
5952007	7358859	1766972	---	---	---	1,03	up
5952079	7147809	1245466	---	---	---	1,42	down
5952226	7349643	1744191	---	---	---	1,56	down
5952227	7369129	1793291	---	---	---	1,50	down
5952248	7219304	1421275	---	---	---	1,26	down
5952443	7337845	1714343	---	---	---	1,13	down
5952475	7176275	1315350	---	---	---	1,19	down
5952545	7240569	1475447	---	---	---	1,02	down
5952594	7234040	1458504	---	---	---	1,10	up
5952600	7078666	1076529	---	---	---	1,46	up
5952617	7281924	1577720	---	---	---	1,15	down
5952629	7330238	1695927	---	---	---	1,13	down
5952670	7239939	1473785	---	---	---	1,61	down
5952749	7162959	1282089	---	---	---	1,05	up
5952810	7041319	988753	---	---	---	1,29	down
5952903	7109292	1150740	---	---	---	1,00	up
5952919	7312686	1653621	---	---	---	1,08	up
5952924	7219605	1422078	---	---	---	1,75	down
5952930	7037235	978573	---	---	---	1,14	up
5953005	7042382	991289	---	---	---	1,13	down
5953006	7032204	966154	---	---	---	1,19	down
5953170	7289075	1594458	---	---	---	1,29	up
5953504	7032204	966173	---	---	---	1,07	up
5953547	7297589	1615623	---	---	---	1,38	up
5953576	7094139	1112914	---	---	---	1,12	up
5953625	7038530	981872	---	---	---	1,04	up
5953661	7274780	1559217	---	---	---	2,16	down

5953795	7261592	1526843	---	---	---	1,27	up
5953902	7181105	1327967	---	---	---	1,03	down
5953978	7132125	1206633	---	---	---	1,02	down
5954111	7052813	1015930	---	---	---	1,25	down
5954129	7279568	1572034	---	---	---	1,14	up
5954135	7181105	1327967	---	---	---	1,57	down
5954150	7086966	1095274	---	---	---	1,04	down
5954168	7088544	1099671	---	---	---	1,28	up
5954319	7346066	1735313	---	---	---	1,00	up
5954356	7255463	1511210	---	---	---	1,41	down
5954374	7314270	1657723	---	---	---	1,33	up
5954393	7080563	1080718	---	---	---	1,03	down
5954492	7319627	1671265	---	---	---	1,22	up
5954516	7171091	1302460	---	---	---	1,49	up
5954545	7028624	957994	---	---	---	1,01	down
5954554	7341002	1722552	---	---	---	1,16	up
5954557	7041609	989560	---	---	---	1,28	down
5954596	7069603	1055052	---	---	---	1,04	up
5954669	7149817	1250310	---	---	---	1,63	down
5954674	7349313	1743115	---	---	---	1,30	down
5954696	7225291	1435293	---	---	---	1,04	up
5954756	7212587	1404652	---	---	---	1,16	up
5954789	7106752	1144021	---	---	---	1,40	down
5954792	7315206	1660026	---	---	---	1,05	down
5954804	7239752	1473180	---	---	---	1,51	down
5954915	7312627	1653488	---	---	---	1,21	down
5955024	7373633	1805714	---	---	---	1,17	down
5955028	7332059	1700727	---	---	---	1,18	up
5955121	7139026	1223493	---	---	---	1,50	up
5955126	7175946	1314652	---	---	---	1,36	up
5955237	7361042	1772258	---	---	---	1,13	up
5955263	7034356	972164	---	---	---	1,05	down
5955266	7168979	1297178	---	---	---	1,18	up
5955341	7244290	1484153	---	---	---	1,09	down
5955393	7217679	1417291	---	---	---	1,08	up
5955413	7306680	1639571	---	---	---	1,11	down
5955422	7088625	1099866	---	---	---	1,17	down
5955431	7233012	1455413	---	---	---	1,02	up
5955481	7050716	1011222	---	---	---	1,09	up
5955522	7052813	1015900	---	---	---	1,51	up
5955558	7139708	1225058	---	---	---	2,09	up
5955616	7100210	1128137	---	---	---	1,51	down
5955621	7117951	1172082	---	---	---	1,30	up
5955643	7255522	1511454	---	---	---	1,08	down
5955757	7096461	1118270	---	---	---	1,22	down
5955793	7306229	1638245	---	---	---	1,20	down
5955806	7156978	1268177	---	---	---	1,03	up
5955842	7128704	1198023	---	---	---	1,15	up
5955849	7274780	1559253	---	---	---	1,33	down
5955893	7376828	1813466	---	---	---	2,10	down
5955994	7374324	1807519	---	---	---	1,05	up
5956061	7217747	1417488	---	---	---	1,11	down
5956129	7086522	1093957	---	---	---	2,16	down
5956253	7278010	1568033	---	---	---	1,33	up
5956331	7342356	1725892	---	---	---	1,85	up
5956383	7100523	1128859	---	---	---	1,25	up
5956394	7172988	1307332	---	---	---	1,37	down

5956561	7341546	1723944	---	---	---	1,42	down
5956580	7344530	1731572	---	---	---	1,17	down
5956647	7231152	1450276	---	---	---	2,05	up
5956658	7142081	1230948	---	---	---	1,07	up
5956693	7281924	1577752	---	---	---	1,66	down
5956703	7244287	1484044	---	---	---	1,06	down
5956714	7092549	1109177	---	---	---	1,32	down
5956745	7097485	1120949	---	---	---	1,06	down
5956842	7233513	1457177	---	---	---	1,10	up
5956948	7226277	1437987	---	---	---	1,14	up
5956982	7368815	1792322	---	---	---	1,33	down
5957016	7340673	1721710	---	---	---	1,02	up
5957018	7211363	1402040	---	---	---	1,01	up
5957038	7234040	1458482	---	---	---	1,19	up
5957064	7235069	1460976	---	---	---	1,38	down
5957106	7279568	1572008	---	---	---	1,34	up
5957112	7303191	1629956	---	---	---	1,07	up
5957268	7335637	1708476	---	---	---	1,56	down
5957274	7205267	1387901	---	---	---	1,15	up
5957278	7330731	1697173	---	---	---	1,93	down
5957390	7102369	1133428	---	---	---	1,13	up
5957429	7172373	1305565	---	---	---	1,39	down
5957502	7039532	984441	---	---	---	1,18	up
5957704	7103420	1136177	---	---	---	1,20	down
5957730	7277719	1567095	---	---	---	1,04	up
5957775	7307473	1641288	---	---	---	1,13	up
5957896	7295652	1610316	---	---	---	1,32	down
5957924	7340757	1721905	---	---	---	1,47	down
5958000	7363674	1778440	---	---	---	1,06	down
5958036	7089080	1101173	---	---	---	1,50	down
5958048	7083030	1086262	---	---	---	1,27	down
5958127	7069721	1055302	---	---	---	1,02	down
5958256	7240641	1475741	---	---	---	1,07	down
5958388	7292869	1603422	---	---	---	1,07	up
5958510	7053786	1018129	---	---	---	1,07	up
5958617	7231655	1451905	---	---	---	1,42	down
5958628	7050716	1011226	---	---	---	1,65	up
5958683	7155624	1264725	---	---	---	1,11	up
5958717	7062436	1037709	---	---	---	1,25	up
5958770	7193987	1360667	---	---	---	2,34	down
5958900	7041609	989558	---	---	---	1,37	down
5958987	7088164	1098471	---	---	---	1,01	up
5959039	7301900	1626739	---	---	---	1,14	down
5959045	7035525	974756	---	---	---	1,14	up
5959127	7353382	1753225	---	---	---	1,23	down
5959128	7372840	1803780	---	---	---	1,39	up
5959241	7350489	1746119	---	---	---	1,53	down
5959253	7227433	1440968	---	---	---	1,02	down
5959273	7322020	1676650	---	---	---	1,33	up
5959434	7138243	1221666	---	---	---	1,11	up
5959459	7330731	1697202	---	---	---	1,04	up
5959521	7162177	1280583	---	---	---	2,02	up
5959523	7350237	1745483	---	---	---	1,37	down
5959536	7247848	1492058	---	---	---	1,16	down
5959661	7326271	1686469	---	---	---	1,65	down
5959712	7217434	1416358	---	---	---	1,12	down
5959773	7340990	1722501	---	---	---	1,16	up

5959894	7079326	1077973	---	---	---	1,03	down
5959918	7337224	1712615	---	---	---	1,39	up
5959979	7139708	1225068	---	---	---	1,21	down
5960009	7142081	1230986	---	---	---	1,74	down
5960039	7354896	1756992	---	---	---	1,29	down
5960084	7309738	1646958	---	---	---	1,72	down
5960161	7264274	1533174	---	---	---	2,03	down
5960199	7297589	1615634	---	---	---	1,29	down
5960280	7086966	1095289	---	---	---	1,26	down
5960313	7087965	1098063	---	---	---	1,07	up
5960355	7039725	984820	---	---	---	1,02	down
5960458	7286807	1588781	---	---	---	1,23	up
5960467	7313538	1655728	---	---	---	3,06	up
5960482	7096461	1118256	---	---	---	1,08	down
5960484	7072429	1061870	---	---	---	1,05	up
5960536	7319609	1671205	---	---	---	1,85	down
5960561	7243363	1481623	---	---	---	1,80	down
5960686	7152915	1257441	---	---	---	1,02	up
5960806	7331508	1699461	---	---	---	1,02	down
5960929	7360325	1770560	---	---	---	3,86	up
5960938	7350489	1746112	---	---	---	1,13	down
5960969	7095041	1115167	---	---	---	1,72	up
5961010	7070869	1058491	---	---	---	1,01	up
5961027	7337425	1713169	---	---	---	1,06	down
5961075	7150348	1251418	---	---	---	1,16	up
5961136	7367952	1789010	---	---	---	1,27	down
5961144	7131103	1204322	---	---	---	2,06	down
5961198	7197056	1367846	---	---	---	1,36	down
5961272	7102416	1133516	---	---	---	1,02	down
5961324	7100408	1128640	---	---	---	1,73	up
5961409	7368004	1789336	---	---	---	1,27	down
5961432	7384509	1830728	---	---	---	1,32	down
5961461	7172373	1305582	---	---	---	1,03	down
5961573	7326322	1686608	---	---	---	1,83	up
5961704	7280743	1574476	---	---	---	1,12	up
5961909	7332059	1700731	---	---	---	1,06	up
5961938	7132125	1206627	---	---	---	1,36	up
5961943	7115963	1167048	---	---	---	1,06	down
5961980	7180804	1327006	---	---	---	1,03	up
5961991	7293763	1605715	---	---	---	1,06	up
5962015	7079238	1077816	---	---	---	1,18	up
5962032	7183182	1333551	---	---	---	1,39	up
5962046	7262570	1528976	---	---	---	1,15	down
5962064	7237699	1467372	---	---	---	1,17	up
5962129	7062233	1037187	---	---	---	1,07	down
5962191	7193056	1358253	---	---	---	1,03	down
5962218	7212735	1405027	---	---	---	1,05	down
5962232	7264653	1534031	---	---	---	1,18	down
5962242	7182739	1332592	---	---	---	1,57	down
5962245	7073609	1064860	---	---	---	1,21	down
5962322	7088164	1098464	---	---	---	2,15	up
5962338	7279881	1572714	---	---	---	1,02	up
5962623	7116540	1168640	---	---	---	1,10	up
5962655	7148978	1248546	---	---	---	1,01	down
5962744	7069603	1055042	---	---	---	1,14	up
5962768	7088544	1099686	---	---	---	1,11	up
5962772	7327169	1688441	---	---	---	1,08	up

5962798	7120827	1179339	---	---	---	2,12	up
5962908	7181286	1328519	---	---	---	1,04	up
5962967	7101643	1131574	---	---	---	1,09	up
5963020	7034293	971990	---	---	---	1,23	up
5963103	7287337	1589995	---	---	---	1,28	down
5963130	7337425	1713192	---	---	---	1,18	down
5963168	7130889	1203884	---	---	---	1,54	up
5963255	7229061	1445323	---	---	---	1,04	up
5963283	7264745	1534266	---	---	---	1,02	up
5963332	7086522	1093952	---	---	---	1,40	up
5963388	7363674	1778409	---	---	---	1,05	down
5963428	7267802	1541841	---	---	---	1,09	up
5963485	7122805	1184246	---	---	---	1,18	up
5963504	7320735	1674151	---	---	---	1,22	up
5963548	7237814	1467819	---	---	---	1,12	down
5963615	7107926	1146831	---	---	---	1,04	up
5963672	7348924	1742181	---	---	---	1,82	up
5963798	7176362	1315507	---	---	---	1,01	up
5963849	7040674	987002	---	---	---	1,30	down
5963962	7339379	1718318	---	---	---	1,26	down
5964027	7282927	1580017	---	---	---	1,45	down
5964031	7059917	1031331	---	---	---	3,10	down
5964120	7088164	1098461	---	---	---	3,08	up
5964338	7318139	1668066	---	---	---	1,16	down
5964375	7115362	1165592	---	---	---	1,12	up
5964389	7198210	1370978	---	---	---	1,17	up
5964443	7247907	1492241	---	---	---	1,00	up
5964506	7252877	1504755	---	---	---	1,11	up
5964593	7080476	1080408	---	---	---	1,07	down
5964600	7153895	1259916	---	---	---	1,23	up
5964645	7360486	1770971	---	---	---	1,02	up
5964663	7148978	1248454	---	---	---	1,48	up
5964693	7107926	1146839	---	---	---	1,35	up
5964713	7175946	1314635	---	---	---	1,02	up
5964722	7193056	1358287	---	---	---	1,10	up
5964746	7307473	1641296	---	---	---	1,04	up
5964753	7032094	965719	---	---	---	1,11	up
5964788	7341115	1722918	---	---	---	1,38	down
5964838	7243894	1482973	---	---	---	2,14	up
5964951	7128112	1196568	---	---	---	1,11	up
5964963	7253408	1505933	---	---	---	1,17	up
5964975	7173640	1308970	---	---	---	1,07	down
5964992	7153571	1259032	---	---	---	2,72	up
5965044	7146542	1242295	---	---	---	1,00	down
5965079	7255687	1511773	---	---	---	1,06	up
5965260	7068259	1051593	---	---	---	1,09	down
5965275	7152915	1257507	---	---	---	1,27	down
5965313	7374324	1807485	---	---	---	1,23	up
5965435	7025310	949265	---	---	---	1,13	down
5965460	7110330	1152921	---	---	---	1,04	up
5965586	7186464	1341368	---	---	---	1,05	up
5965611	7140365	1226786	---	---	---	1,04	up
5965748	7198210	1370971	---	---	---	2,30	down
5965761	7087965	1098062	---	---	---	1,63	down
5965935	7239752	1473171	---	---	---	1,23	up
5966040	7069830	1055613	---	---	---	1,02	down
5966065	7153571	1259034	---	---	---	3,85	up

5966086	7156052	1265760	---	---	---	1,28	down
5966107	7246823	1489671	---	---	---	1,74	down
5966231	7148741	1247828	---	---	---	1,06	up
5966251	7142917	1233181	---	---	---	1,58	down
5966288	7062233	1037195	---	---	---	1,08	up
5966319	7182739	1332585	---	---	---	1,22	up
5966332	7194400	1361788	---	---	---	1,29	up
5966426	7384073	1829456	---	---	---	1,06	up
5966457	7355755	1759319	---	---	---	1,02	down
5966633	7193056	1358289	---	---	---	1,35	down
5966655	7328985	1693162	---	---	---	1,01	down
5966670	7264653	1534042	---	---	---	1,84	down
5966810	7156052	1265780	---	---	---	1,08	down
5966925	7168979	1297182	---	---	---	1,15	up
5966981	7341439	1723709	---	---	---	1,16	down
5966999	7365183	1781905	---	---	---	1,05	down
5967110	7069830	1055605	---	---	---	1,05	up
5967185	7061550	1035285	---	---	---	2,35	up
5967244	7330731	1697191	---	---	---	1,34	up
5967259	7384509	1830734	---	---	---	1,28	up
5967265	7142081	1230959	---	---	---	1,38	down
5967364	7344702	1732140	---	---	---	1,07	up
5967371	7374324	1807469	---	---	---	1,38	down
5967380	7193056	1358281	---	---	---	1,02	up
5967498	7193513	1359444	---	---	---	1,00	up
5967520	7169599	1298443	---	---	---	1,07	up
5967526	7136746	1217967	---	---	---	1,22	down
5967558	7032618	967329	---	---	---	1,09	up
5967650	7069830	1055640	---	---	---	1,04	down
5967892	7155866	1265329	---	---	---	1,28	down
5967915	7040442	986528	---	---	---	1,35	up
5967988	7318286	1668336	---	---	---	1,11	down
5967998	7374313	1807380	---	---	---	1,07	down
5968224	7034293	971885	---	---	---	1,55	up
5968265	7039265	983656	---	---	---	1,24	up
5968332	7243647	1482452	---	---	---	1,09	down
5968375	7093296	1110952	---	---	---	1,25	down
5968414	7205944	1389462	---	---	---	1,06	down
5968437	7238414	1469559	---	---	---	1,25	down
5968461	7369031	1793014	---	---	---	1,21	down
5968470	7326271	1686476	---	---	---	1,04	down
5968519	7144088	1236177	---	---	---	1,04	down
5968552	7295410	1609733	---	---	---	1,00	up
5968554	7029078	958879	---	---	---	1,04	down
5968683	7308679	1644252	---	---	---	1,48	up
5968780	7153136	1258044	---	---	---	1,05	down
5968785	7364346	1780005	---	---	---	1,01	down
5968834	7105375	1140970	---	---	---	1,95	down
5968930	7376820	1813414	---	---	---	1,04	up
5968982	7053620	1017794	---	---	---	1,40	down
5969169	7292701	1602921	---	---	---	1,29	up
5969210	7221443	1426313	---	---	---	1,08	up
5969357	7052813	1015929	---	---	---	2,22	up
5969506	7181286	1328468	---	---	---	1,19	down
5969520	7320735	1674146	---	---	---	1,16	down
5969549	7126400	1192527	---	---	---	1,25	down
5969672	7257976	1517712	---	---	---	2,07	down

5969801	7166855	1291249	---	---	---	1,11	down
5969857	7070869	1058502	---	---	---	1,15	down
5969901	7266532	1538297	---	---	---	2,55	up
5970047	7246518	1489048	---	---	---	1,07	up
5970072	7148978	1248495	---	---	---	1,19	up
5970096	7342356	1725900	---	---	---	1,17	up
5970224	7291032	1599340	---	---	---	1,32	down
5970238	7383586	1828438	---	---	---	1,20	down
5970360	7171417	1303156	---	---	---	1,37	down
5970405	7067828	1050785	---	---	---	2,83	up
5970407	7056106	1022969	---	---	---	1,31	down
5970668	7122140	1182707	---	---	---	1,03	up
5970690	7243647	1482464	---	---	---	1,09	up
5970692	7340757	1721908	---	---	---	1,20	down
5970693	7166439	1290101	---	---	---	1,62	up
5970694	7136142	1216437	---	---	---	1,30	up
5970752	7319259	1670403	---	---	---	1,05	up
5970787	7153571	1259039	---	---	---	1,22	down
5970801	7247848	1492070	---	---	---	1,17	up
5970869	7381352	1823742	---	---	---	1,38	down
5970945	7058149	1027282	---	---	---	1,06	up
5970947	7339387	1718375	---	---	---	1,27	up
5970966	7264085	1532718	---	---	---	1,18	up
5970986	7294851	1608364	---	---	---	1,43	down
5971009	7086672	1094394	---	---	---	1,96	down
5971031	7151063	1253071	---	---	---	2,02	up
5971103	7057462	1025858	---	---	---	2,35	down
5971145	7253272	1505547	---	---	---	1,06	down
5971172	7267802	1541837	---	---	---	1,57	up
5971319	7092549	1109184	---	---	---	1,09	up
5971340	7080563	1080715	---	---	---	1,13	up
5971384	7355044	1757430	---	---	---	1,51	up
5971441	7278010	1568045	---	---	---	1,02	down
5971487	7252877	1504740	---	---	---	1,41	down
5971493	7313841	1656730	---	---	---	1,10	down
5971507	7049184	1007927	---	---	---	1,13	up
5971847	7289382	1595198	---	---	---	1,14	down
5971856	7166855	1291255	---	---	---	1,49	down
5971987	7115507	1165971	---	---	---	1,24	up
5972020	7352044	1750008	---	---	---	1,36	up
5972074	7146542	1242283	---	---	---	1,56	up
5972118	7267802	1541754	---	---	---	1,22	down
5972149	7193513	1359467	---	---	---	1,05	up
5972181	7297589	1615677	---	---	---	1,00	up
5972192	7217679	1417319	---	---	---	1,07	down
5972213	7031774	964762	---	---	---	1,48	down
5972223	7073928	1065804	---	---	---	5,86	down
5972263	7115362	1165595	---	---	---	1,27	down
5972282	7377583	1815457	---	---	---	1,10	up
5972331	7058149	1027285	---	---	---	1,01	up
5972606	7293763	1605717	---	---	---	1,11	up
5972780	7075460	1069410	---	---	---	1,25	down
5972867	7280982	1575145	---	---	---	1,20	up
5972880	7117526	1171019	---	---	---	1,29	up
5973011	7266778	1538854	---	---	---	1,18	down
5973021	7281577	1576883	---	---	---	1,12	down
5973269	7380497	1821873	---	---	---	1,04	down

5973296	7130917	1203919	---	---	---	1,05	down
5973339	7252877	1504756	---	---	---	1,93	up
5973469	7213228	1405990	---	---	---	1,20	up
5973538	7281924	1577723	---	---	---	1,15	up
5973541	7148741	1247832	---	---	---	2,11	down
5973572	7281877	1577533	---	---	---	1,05	up
5973614	7093296	1110885	---	---	---	1,02	up
5973629	7377116	1814067	---	---	---	1,69	up
5973662	7233298	1456282	---	---	---	1,02	down
5973677	7088489	1099525	---	---	---	1,02	up
5973702	7244602	1484776	---	---	---	1,07	up
5973762	7353284	1752983	---	---	---	1,25	up
5973819	7068259	1051608	---	---	---	1,36	up
5973877	7248790	1494518	---	---	---	1,10	down
5973946	7337425	1713200	---	---	---	1,16	up
5973953	7240569	1475464	---	---	---	1,27	down
5973958	7167063	1291900	---	---	---	1,13	up
5974006	7166867	1291334	---	---	---	1,28	up
5974035	7073679	1065188	---	---	---	1,12	up
5974065	7189184	1347598	---	---	---	1,31	down
5974083	7374324	1807457	---	---	---	1,17	up
5974124	7349817	1744643	---	---	---	1,39	down
5974129	7058713	1028664	---	---	---	1,04	up
5974257	7231152	1450277	---	---	---	2,81	up
5974262	7032204	966150	---	---	---	2,06	up
5974317	7331757	1700023	---	---	---	1,40	down
5974331	7076160	1070871	---	---	---	1,49	up
5974473	7326271	1686520	---	---	---	1,32	up
5974488	7249015	1495051	---	---	---	1,70	down
5974494	7093296	1110970	---	---	---	1,34	down
5974610	7252877	1504693	---	---	---	1,13	down
5974676	7168979	1297183	---	---	---	1,40	down
5974835	7059766	1030978	---	---	---	1,49	down
5974851	7358048	1764802	---	---	---	1,29	up
5974906	7034293	971978	---	---	---	1,23	down
5975083	7201422	1379185	---	---	---	1,41	up
5975135	7240569	1475451	---	---	---	1,03	up
5975189	7309738	1646956	---	---	---	1,46	down
5975201	7244602	1484758	---	---	---	1,02	down
5975216	7353284	1752983	---	---	---	1,34	down
5975360	7380878	1822550	---	---	---	1,41	down
5975371	7066035	1046214	---	---	---	1,09	up
5975388	7060896	1033539	---	---	---	1,26	up
5975427	7180598	1326318	---	---	---	1,43	up
5975441	7341038	1722632	---	---	---	1,15	down
5975450	7092549	1109119	---	---	---	1,32	up
5975500	7229909	1447248	---	---	---	1,53	down
5975687	7169599	1298444	---	---	---	1,28	up
5975726	7353224	1752668	---	---	---	2,33	up
5975759	7032618	967317	---	---	---	1,21	up
5975794	7092549	1109127	---	---	---	1,56	down
5975864	7185355	1338694	---	---	---	1,24	up
5975918	7342430	1726155	---	---	---	1,24	up
5975999	7312161	1652463	---	---	---	1,12	down
5976191	7339387	1718383	---	---	---	1,16	down
5976213	7202837	1382305	---	---	---	1,12	up
5976330	7375958	1811479	---	---	---	1,04	up

5976449	7274780	1559213	---	---	---	1,59	down
5976464	7186688	1341846	---	---	---	1,18	down
5976476	7034356	972165	---	---	---	1,08	up
5976492	7100210	1128143	---	---	---	1,13	down
5976501	7148661	1247674	---	---	---	1,95	down
5976570	7349313	1743115	---	---	---	1,15	down
5976586	7369129	1793282	---	---	---	1,88	down
5976654	7027350	954945	---	---	---	1,94	down
5976663	7360486	1770950	---	---	---	1,04	down
5976676	7361881	1773964	---	---	---	1,38	down
5976719	7286807	1588830	---	---	---	1,73	down
5976744	7033673	970381	---	---	---	1,05	up
5976811	7380497	1821824	---	---	---	1,70	up
5976903	7126400	1192534	---	---	---	1,04	down
5976989	7230628	1448867	---	---	---	1,07	down
5977020	7083355	1086912	---	---	---	2,40	down
5977030	7180243	1325513	---	---	---	1,09	down
5977109	7353224	1752677	---	---	---	1,05	up
5977119	7213945	1407832	---	---	---	1,18	down
5977197	7346066	1735322	---	---	---	1,25	up
5977291	7290474	1597971	---	---	---	1,03	down
5977302	7196233	1366098	---	---	---	1,07	up
5977379	7069253	1054161	---	---	---	1,12	down
5977451	7330238	1695920	---	---	---	1,06	up
5977517	7363576	1778195	---	---	---	1,41	down
5977723	7292701	1602950	---	---	---	1,05	down
5977776	7198730	1372678	---	---	---	1,46	up
5977836	7039223	983574	---	---	---	1,24	down
5977850	7247230	1490588	---	---	---	1,95	down
5977892	7350530	1746235	---	---	---	1,11	down
5977993	7180732	1326733	---	---	---	1,18	up
5978053	7131876	1206055	---	---	---	1,63	up
5978056	7280982	1575259	---	---	---	1,49	up
5978130	7235069	1460986	---	---	---	1,29	down
5978186	7286807	1588786	---	---	---	1,37	down
5978209	7029770	960158	---	---	---	1,45	down
5978287	7139708	1225069	---	---	---	1,58	down
5978458	7240569	1475517	---	---	---	1,12	down
5978462	7369939	1795621	---	---	---	1,65	down
5978488	7038971	982984	---	---	---	1,26	down
5978560	7053874	1018324	---	---	---	1,28	down
5978705	7062233	1037227	---	---	---	1,18	down
5978728	7363147	1777022	---	---	---	1,37	up
5978782	7282831	1579772	---	---	---	1,14	down
5978783	7216676	1414428	---	---	---	1,15	up
5978823	7255911	1512216	---	---	---	1,05	down
5978829	7142915	1233095	---	---	---	1,56	up
5978906	7289075	1594466	---	---	---	1,06	down
5979002	7261766	1527160	---	---	---	1,40	down
5979020	7212587	1404640	---	---	---	1,46	up
5979130	7233106	1455672	---	---	---	1,06	down
5979234	7181001	1327628	---	---	---	1,04	up
5979268	7136062	1216304	---	---	---	1,35	down
5979288	7083030	1086243	---	---	---	1,05	up
5979308	7225543	1435914	---	---	---	1,21	up
5979331	7073609	1064844	---	---	---	1,46	down
5979354	7319259	1670401	---	---	---	1,31	down

5979364	7267204	1539864	---	---	---	1,01	up
5979370	7093936	1112479	---	---	---	1,20	down
5979390	7376073	1811710	---	---	---	1,01	down
5979428	7115259	1165350	---	---	---	1,07	up
5979435	7301296	1624997	---	---	---	1,04	down
5979450	7099573	1126713	---	---	---	1,14	down
5979471	7267802	1541849	---	---	---	1,64	up
5979543	7377304	1814584	---	---	---	1,56	up
5979566	7377304	1814600	---	---	---	1,08	down
5979572	7247848	1492067	---	---	---	1,17	up
5979655	7376820	1813412	---	---	---	1,04	down
5979839	7237814	1467845	---	---	---	1,23	down
5979934	7351333	1748159	---	---	---	1,02	down
5979937	7280743	1574549	---	---	---	1,11	down
5979944	7208784	1396113	---	---	---	1,11	up
5980028	7171091	1302455	---	---	---	1,04	up
5980101	7297589	1615607	---	---	---	1,07	up
5980131	7069464	1054673	---	---	---	1,13	up
5980186	7057277	1025526	---	---	---	1,15	down
5980318	7136062	1216304	---	---	---	1,34	down
5980351	7328985	1693158	---	---	---	1,37	down
5980365	7313538	1655725	---	---	---	1,43	up
5980524	7207069	1392025	---	---	---	1,69	down
5980705	7058713	1028664	---	---	---	1,25	up
5980738	7094158	1112970	---	---	---	1,31	down
5980799	7341115	1722915	---	---	---	1,50	up
5980941	7365183	1781905	---	---	---	1,21	down
5980967	7176368	1315560	---	---	---	1,44	down
5981050	7197820	1370086	---	---	---	1,96	down
5981082	7336039	1709682	---	---	---	1,10	up
5981102	7217434	1416384	---	---	---	1,02	up
5981164	7341038	1722653	---	---	---	1,08	down
5981185	7341243	1723200	---	---	---	1,26	down
5981268	7115907	1166942	---	---	---	1,51	down
5981305	7112355	1158080	---	---	---	1,27	down
5981352	7280743	1574532	---	---	---	1,60	down
5981398	7166867	1291368	---	---	---	1,03	up
5981423	7363674	1778408	---	---	---	1,16	up
5981489	7073854	1065624	---	---	---	1,47	down
5981559	7052957	1016275	---	---	---	1,02	up
5981568	7204548	1386286	---	---	---	1,10	up
5981635	7380497	1821837	---	---	---	1,05	up
5981659	7240569	1475490	---	---	---	1,40	up
5981664	7221443	1426320	---	---	---	1,54	down
5981765	7142081	1230978	---	---	---	1,21	down
5981841	7248790	1494493	---	---	---	1,09	up
5981857	7240569	1475471	---	---	---	1,00	up
5981880	7056304	1023547	---	---	---	1,12	up
5981903	7210263	1399749	---	---	---	2,29	down
5981982	7364346	1779990	---	---	---	1,31	up
5982014	7030087	960784	---	---	---	1,07	down
5982022	7218728	1419917	---	---	---	1,32	down
5982061	7264085	1532719	---	---	---	1,20	up
5982111	7305275	1635823	---	---	---	1,27	down
5982142	7311367	1650726	---	---	---	2,18	down
5982179	7236492	1464535	---	---	---	1,76	up
5982273	7168521	1295928	---	---	---	1,05	up

5982284	7130917	1203925	---	---	---	1,03	up
5982400	7297589	1615633	---	---	---	1,39	down
5982438	7361881	1773937	---	---	---	1,00	down
5982463	7070393	1057216	---	---	---	1,17	up
5982510	7330238	1695952	---	---	---	1,00	down
5982696	7150047	1250783	---	---	---	2,56	down
5982731	7324760	1683099	---	---	---	1,13	up
5982851	7148741	1247834	---	---	---	1,24	up
5982928	7374324	1807514	---	---	---	1,11	up
5982930	7061948	1036368	---	---	---	1,52	down
5982943	7148741	1247860	---	---	---	1,07	up
5983038	7355044	1757448	---	---	---	1,41	down
5983063	7300906	1624051	---	---	---	1,69	up
5983108	7363529	1777949	---	---	---	1,03	up
5983212	7119845	1176879	---	---	---	1,03	up
5983242	7236358	1464247	---	---	---	1,29	up
5983284	7100408	1128643	---	---	---	2,06	down
5983287	7095041	1115188	---	---	---	1,35	down
5983337	7237907	1468079	---	---	---	1,28	up
5983458	7040442	986573	---	---	---	2,15	down
5983498	7306330	1638506	---	---	---	1,05	up
5983619	7374324	1807532	---	---	---	1,23	down
5983694	7068259	1051646	---	---	---	1,01	down
5983793	7292517	1602555	---	---	---	1,04	up
5984009	7240569	1475324	---	---	---	1,03	up
5984033	7069721	1055288	---	---	---	1,01	down
5984062	7156978	1268184	---	---	---	1,15	up
5984102	7156052	1265751	---	---	---	1,17	down
5984106	7191983	1355170	---	---	---	1,03	down
5984223	7156114	1266043	---	---	---	1,11	down
5984242	7337872	1714458	---	---	---	1,45	up
5984367	7029119	958982	---	---	---	1,31	up
5984405	7217747	1417486	---	---	---	1,65	up
5984588	7339834	1719556	---	---	---	1,35	down
5984594	7249809	1496942	---	---	---	1,20	up
5984608	7132125	1206626	---	---	---	1,23	down
5984782	7244290	1484155	---	---	---	1,03	down
5984827	7076236	1071193	---	---	---	1,24	up
5984854	7384073	1829462	---	---	---	1,06	up
5985091	7360325	1770559	---	---	---	1,34	down
5985195	7292247	1601857	---	---	---	1,05	down
5985252	7052385	1014795	---	---	---	1,51	down
5985290	7292701	1602959	---	---	---	1,12	up
5985330	7340057	1720324	---	---	---	1,15	up
5985336	7240569	1475443	---	---	---	1,29	down
5985350	7240569	1475390	---	---	---	1,47	down
5985353	7340990	1722511	---	---	---	1,05	down
5985415	7064134	1041468	---	---	---	1,45	up
5985458	7249917	1497390	---	---	---	1,12	down
5985493	7103017	1135165	---	---	---	1,34	up
5985671	7350993	1747543	---	---	---	1,12	up
5985703	7245874	1487595	---	---	---	1,44	down
5985723	7337425	1713153	---	---	---	1,09	up
5985769	7137646	1220431	---	---	---	1,13	down
5985919	7198210	1370991	---	---	---	1,19	down
5985993	7109292	1150739	---	---	---	1,87	up
5986111	7098867	1124951	---	---	---	1,16	down

5986130	7252877	1504785	---	---	---	1,47	up
5986155	7238252	1469133	---	---	---	1,13	up
5986164	7142917	1233163	---	---	---	1,09	down
5986286	7246548	1489157	---	---	---	1,37	down
5986331	7308262	1643194	---	---	---	1,67	down
5986358	7244027	1483286	---	---	---	1,05	up
5986382	7155116	1263435	---	---	---	1,19	down
5986445	7154655	1262332	---	---	---	1,08	down
5986453	7169732	1298771	---	---	---	1,35	up
5986476	7248790	1494558	---	---	---	1,13	down
5986574	7172373	1305567	---	---	---	1,06	down
5986767	7337425	1713216	---	---	---	1,19	down
5986862	7351844	1749492	---	---	---	1,36	down
5986889	7142081	1230953	---	---	---	1,02	up
5986901	7217434	1416346	---	---	---	1,42	down
5986944	7384509	1830724	---	---	---	1,09	up
5986960	7213908	1407649	---	---	---	1,07	down
5987038	7068695	1052737	---	---	---	1,45	down
5987041	7279103	1570825	---	---	---	1,14	down
5987233	7156978	1268185	---	---	---	1,03	up
5987269	7068259	1051602	---	---	---	1,69	up
5987270	7099573	1126710	---	---	---	1,00	up
5987370	7097485	1120947	---	---	---	1,21	up
5987404	7127540	1195294	---	---	---	1,19	up
5987487	7346066	1735293	---	---	---	1,93	down
5987488	7059766	1030972	---	---	---	1,23	up
5987529	7374324	1807527	---	---	---	1,29	down
5987546	7094139	1112914	---	---	---	1,23	up
5987600	7279303	1571211	---	---	---	1,36	up
5987622	7081487	1082716	---	---	---	1,37	down
5987675	7294738	1607996	---	---	---	1,00	up
5987713	7088489	1099513	---	---	---	1,26	down
5987733	7088544	1099675	---	---	---	1,25	down
5987811	7267802	1541743	---	---	---	1,72	up
5987840	7319740	1671759	---	---	---	1,48	down
5987914	7245921	1487678	---	---	---	1,01	up
5988103	7214605	1409378	---	---	---	1,06	up
5988117	7360486	1771019	---	---	---	1,02	up
5988120	7167872	1294040	---	---	---	1,04	up
5988161	7065640	1045210	---	---	---	1,23	down
5988237	7066035	1046216	---	---	---	1,16	up
5988238	7261668	1526982	---	---	---	1,34	down
5988417	7341646	1724193	---	---	---	1,06	up
5988469	7316589	1663879	---	---	---	1,54	up
5988488	7266544	1538335	---	---	---	1,14	down
5988536	7221855	1427227	---	---	---	3,26	down
5988597	7237814	1467817	---	---	---	1,02	up
5988639	7363529	1777896	---	---	---	1,45	down
5988646	7141456	1229586	---	---	---	1,10	down
5988694	7369781	1795026	---	---	---	1,46	up
5988697	7217434	1416344	---	---	---	1,20	up
5988712	7236358	1464220	---	---	---	1,32	down
5988720	7364346	1780015	---	---	---	1,36	down
5988909	7360486	1770945	---	---	---	1,34	up
5989130	7095960	1117066	---	---	---	1,11	down
5989156	7085242	1091079	---	---	---	1,10	down
5989212	7329135	1693497	---	---	---	1,22	down

5989267	7267802	1541800	---	---	---	1,03	up
5989373	7056333	1023696	---	---	---	1,30	up
5989433	7156170	1266234	---	---	---	1,26	down
5989468	7292178	1601749	---	---	---	1,11	down
5989510	7317708	1666823	---	---	---	1,08	up
5989573	7144088	1236174	---	---	---	1,21	up
5989595	7143971	1235920	---	---	---	1,09	down
5989649	7058149	1027289	---	---	---	2,01	down
5989657	7038530	981886	---	---	---	1,45	down
5989664	7160687	1277004	---	---	---	1,56	down
5989751	7207069	1392021	---	---	---	1,05	up
5989767	7148978	1248504	---	---	---	1,20	down
5989795	7207069	1392019	---	---	---	1,06	up
5989857	7160846	1277348	---	---	---	1,21	up
5989863	7371001	1798837	---	---	---	1,06	up
5990026	7078666	1076547	---	---	---	1,03	up
5990083	7352044	1750022	---	---	---	1,27	down
5990152	7244290	1484151	---	---	---	1,43	down
5990185	7217434	1416417	---	---	---	1,02	down
5990203	7141061	1228644	---	---	---	1,05	down
5990384	7155116	1263434	---	---	---	1,49	down
5990391	7059766	1030973	---	---	---	1,19	up
5990421	7080563	1080717	---	---	---	1,09	up
5990445	7132020	1206318	---	---	---	1,60	down
5990468	7040442	986537	---	---	---	1,49	down
5990490	7128539	1197668	---	---	---	1,29	up
5990503	7259923	1522523	---	---	---	1,18	down
5990593	7318143	1668090	---	---	---	1,07	up
5990667	7243627	1482352	---	---	---	1,11	down
5990683	7207093	1392084	---	---	---	1,04	down
5990703	7280743	1574524	---	---	---	1,59	down
5990727	7329846	1694998	---	---	---	1,62	up
5990738	7337224	1712605	---	---	---	1,82	down
5990774	7312566	1653308	---	---	---	1,17	down
5990882	7125494	1190402	---	---	---	1,36	down
5990910	7257893	1517469	---	---	---	1,25	down
5990947	7035525	974766	---	---	---	1,09	up
5990964	7209811	1398677	---	---	---	1,46	up
5991044	7255517	1511366	---	---	---	1,95	up
5991071	7194400	1361771	---	---	---	1,01	up
5991140	7177834	1319639	---	---	---	1,06	down
5991146	7063716	1040150	---	---	---	1,16	up
5991187	7326378	1686713	---	---	---	1,60	down
5991226	7173640	1308968	---	---	---	1,29	up
5991248	7263348	1530809	---	---	---	1,15	up
5991331	7257893	1517460	---	---	---	1,16	down
5991343	7209927	1398950	---	---	---	1,96	down
5991433	7350489	1746113	---	---	---	1,06	down
5991469	7267802	1541869	---	---	---	1,09	up
5991476	7150348	1251434	---	---	---	1,09	down
5991503	7099573	1126720	---	---	---	1,28	down
5991532	7079475	1078285	---	---	---	1,03	down
5991564	7177520	1318613	---	---	---	3,58	up
5991754	7378546	1817579	---	---	---	1,02	up
5991755	7286613	1588476	---	---	---	1,46	up
5991786	7312532	1653213	---	---	---	1,33	up
5991808	7127801	1195877	---	---	---	1,39	down

5991838	7319259	1670399	---	---	---	1,20	up
5991858	7337224	1712556	---	---	---	1,01	up
5991886	7252877	1504760	---	---	---	1,03	down
5991892	7301843	1626481	---	---	---	1,11	up
5992013	7340057	1720334	---	---	---	1,51	up
5992113	7248790	1494504	---	---	---	1,14	up
5992183	7166867	1291334	---	---	---	1,05	up
5992226	7250511	1498629	---	---	---	1,04	down
5992232	7075445	1069345	---	---	---	1,27	up
5992275	7073677	1065144	---	---	---	1,08	up
5992299	7039223	983559	---	---	---	1,27	down
5992337	7314620	1658529	---	---	---	1,17	up
5992447	7168439	1295682	---	---	---	1,27	up
5992494	7041140	988279	---	---	---	1,11	up
5992508	7258784	1519674	---	---	---	1,87	up
5992606	7341243	1723207	---	---	---	1,36	down
5992608	7173706	1309296	---	---	---	1,48	up
5992631	7198210	1370977	---	---	---	1,59	up
5992655	7312465	1653054	---	---	---	1,44	down
5992680	7096924	1119609	---	---	---	2,58	up
5992705	7033337	969484	---	---	---	1,01	down
5992862	7356115	1760116	---	---	---	1,35	down
5992933	7321029	1674804	---	---	---	1,40	down
5993052	7056333	1023690	---	---	---	1,16	up
5993071	7148978	1248486	---	---	---	1,25	up
5993137	7286807	1588818	---	---	---	1,21	up
5993251	7274593	1558805	---	---	---	4,38	down
5993348	7099573	1126708	---	---	---	1,18	up
5993385	7274780	1559255	---	---	---	1,18	down
5993590	7318139	1668065	---	---	---	1,02	up
5993675	7122131	1182670	---	---	---	1,02	down
5993706	7083031	1086280	---	---	---	1,13	up
5993753	7205750	1388991	---	---	---	1,02	up
5993780	7374324	1807482	---	---	---	1,08	down
5993862	7336050	1709744	---	---	---	1,28	up
5993885	7066035	1046212	---	---	---	1,09	up
5994016	7337425	1713163	---	---	---	1,05	down
5994056	7243647	1482431	---	---	---	1,06	up
5994157	7070461	1057366	---	---	---	1,64	down
5994218	7052933	1016219	---	---	---	1,02	down
5994272	7030037	960716	---	---	---	1,04	up
5994307	7156052	1265751	---	---	---	1,10	down
5994362	7056736	1024422	---	---	---	2,55	up
5994389	7084193	1089060	---	---	---	1,01	up
5994435	7369400	1793982	---	---	---	1,24	down
5994437	7278575	1569553	---	---	---	1,45	down
5994482	7070836	1058356	---	---	---	1,08	down
5994494	7212308	1404015	---	---	---	1,33	down
5994496	7080563	1080712	---	---	---	1,05	up
5994505	7025310	949266	---	---	---	1,23	up
5994585	7050167	1009824	---	---	---	1,05	up
5994681	7355580	1758885	---	---	---	1,85	up
5994765	7261019	1525252	---	---	---	1,65	down
5994795	7237814	1467824	---	---	---	1,23	up
5994823	7122140	1182701	---	---	---	1,61	up
5994848	7093255	1110781	---	---	---	2,42	up
5994894	7166867	1291374	---	---	---	2,31	up

5994934	7365147	1781765	---	---	---	1,00	up
5994972	7149934	1250521	---	---	---	1,06	up
5995002	7086966	1095261	---	---	---	1,11	down
5995066	7158419	1271374	---	---	---	1,05	up
5995078	7129578	1200072	---	---	---	1,07	up
5995161	7213945	1407866	---	---	---	1,38	up
5995162	7148978	1248455	---	---	---	1,05	up
5995297	7069603	1055050	---	---	---	2,08	up
5995324	7148978	1248486	---	---	---	1,06	up
5995365	7156611	1267349	---	---	---	1,08	down
5995382	7125348	1190100	---	---	---	2,50	up
5995399	7052176	1014215	---	---	---	1,85	down
5995426	7105449	1141131	---	---	---	3,98	down
5995487	7243647	1482458	---	---	---	1,24	up
5995509	7141061	1228643	---	---	---	1,14	down
5995619	7058713	1028654	---	---	---	1,07	down
5995749	7236492	1464535	---	---	---	1,14	up
5995759	7281188	1575808	---	---	---	2,14	up
5995805	7371001	1798853	---	---	---	1,09	down
5995963	7370415	1796853	---	---	---	1,02	down
5996028	7122140	1182717	---	---	---	1,09	up
5996032	7072765	1062732	---	---	---	1,08	up
5996135	7194400	1361754	---	---	---	1,45	down
5996291	7238115	1468609	---	---	---	1,48	down
5996317	7156052	1265758	---	---	---	1,04	down
5996320	7270592	1548560	---	---	---	1,02	down
5996323	7337250	1712734	---	---	---	1,10	up
5996444	7376398	1812488	---	---	---	1,09	up
5996535	7069830	1055625	---	---	---	1,30	down
5996578	7096924	1119618	---	---	---	1,10	down
5996595	7113083	1159980	---	---	---	1,42	up
5996783	7098810	1124646	---	---	---	1,01	up
5996811	7312569	1653345	---	---	---	1,39	down
5996851	7277719	1567091	---	---	---	1,44	down
5996909	7217434	1416411	---	---	---	1,09	down
5996911	7110999	1154760	---	---	---	1,11	up
5996913	7099973	1127535	---	---	---	1,06	down
5996977	7092406	1108785	---	---	---	1,31	down
5997018	7249019	1495083	---	---	---	1,14	down
5997052	7208784	1396148	---	---	---	1,42	down
5997059	7194356	1361622	---	---	---	1,27	down
5997093	7155286	1263902	---	---	---	1,19	down
5997177	7148741	1247828	---	---	---	1,52	up
5997268	7330731	1697178	---	---	---	1,10	down
5997466	7080563	1080720	---	---	---	1,01	up
5997532	7350237	1745479	---	---	---	1,02	up
5997554	7079600	1078625	---	---	---	1,11	down
5997614	7146245	1241377	---	---	---	1,24	down
5997620	7236492	1464537	---	---	---	1,23	up
5997622	7032204	966173	---	---	---	1,65	up
5997631	7347427	1738676	---	---	---	1,44	down
5997713	7247230	1490585	---	---	---	1,30	up
5998102	7122140	1182728	---	---	---	1,01	down
5998115	7165644	1288022	---	---	---	1,92	up
5998125	7176368	1315575	---	---	---	1,46	up
5998430	7363674	1778417	---	---	---	1,83	up
5998478	7120379	1178329	---	---	---	1,13	up

5998535	7097536	1121129	---	---	---	1,30	up
5998557	7149934	1250520	---	---	---	1,29	down
5998600	7191866	1354897	---	---	---	1,07	up
5998744	7324760	1683091	---	---	---	1,77	up
5998771	7073854	1065626	---	---	---	1,74	up
5998856	7267802	1541741	---	---	---	2,39	down
5998892	7099573	1126741	---	---	---	1,12	down
5998895	7149817	1250309	---	---	---	1,68	down
5998906	7279533	1571916	---	---	---	1,07	down
5998913	7305275	1635838	---	---	---	1,01	down
5998993	7256070	1512589	---	---	---	1,00	up
5999008	7132125	1206609	---	---	---	1,03	up
5999244	7236358	1464222	---	---	---	1,26	up
5999283	7069603	1055056	---	---	---	1,02	down
5999380	7335637	1708467	---	---	---	1,00	up
5999469	7240569	1475492	---	---	---	1,76	up
5999474	7227775	1441848	---	---	---	1,13	down
5999583	7099573	1126722	---	---	---	1,01	down
5999609	7279793	1572539	---	---	---	1,30	down
5999826	7238153	1468823	---	---	---	1,11	up
5999858	7073928	1065805	---	---	---	1,18	down
5999901	7132125	1206611	---	---	---	1,02	up
5999917	7069462	1054601	---	---	---	1,37	down
6000258	7239939	1473792	---	---	---	1,15	up
6000308	7364346	1780006	---	---	---	1,21	up
6000463	7182056	1330576	---	---	---	1,00	up
6000478	7053620	1017794	---	---	---	1,25	down
6000537	7340990	1722514	---	---	---	1,51	down
6000544	7289879	1596407	---	---	---	1,20	up
6000579	7115907	1166941	---	---	---	1,13	down
6000601	7240569	1475502	---	---	---	1,26	up
6000657	7196769	1367262	---	---	---	1,12	down
6000677	7335637	1708466	---	---	---	1,94	down
6000753	7344702	1732140	---	---	---	1,00	up
6000760	7279533	1571917	---	---	---	2,32	up
6000945	7075445	1069348	---	---	---	1,31	down
6000968	7373038	1804288	---	---	---	1,70	up
6000971	7093296	1110906	---	---	---	1,01	up
6000987	7258455	1518700	---	---	---	1,75	down
6001065	7025670	950408	---	---	---	1,30	down
6001073	7100523	1128840	---	---	---	1,21	down
6001084	7339379	1718357	---	---	---	1,36	up
6001087	7176275	1315332	---	---	---	1,03	up
6001206	7320068	1672649	---	---	---	1,50	down
6001213	7181286	1328470	---	---	---	2,07	up
6001218	7196029	1365637	---	---	---	1,08	down
6001254	7319259	1670395	---	---	---	1,22	down
6001331	7361881	1773924	---	---	---	1,03	down
6001475	7132125	1206597	---	---	---	1,08	down
6001564	7369031	1793013	---	---	---	1,27	down
6001607	7052385	1014785	---	---	---	1,67	up
6001610	7168521	1295907	---	---	---	1,01	down
6001628	7344406	1731222	---	---	---	1,55	down
6001638	7050716	1011224	---	---	---	1,15	up
6001791	7096461	1118275	---	---	---	1,12	down
6001832	7075533	1069572	---	---	---	1,33	up
6001959	7071264	1059341	---	---	---	2,06	up

6001979	7363529	1777966	---	---	---	1,01	down
6002115	7312686	1653622	---	---	---	1,54	down
6002117	7029770	960150	---	---	---	2,14	up
6002162	7297589	1615592	---	---	---	1,18	down
6002185	7156978	1268173	---	---	---	1,06	down
6002436	7280982	1575205	---	---	---	1,25	down
6002483	7181105	1327967	---	---	---	1,13	down
6002690	7374324	1807487	---	---	---	1,07	up
6002703	7253215	1505382	---	---	---	1,14	down
6002759	7243253	1481227	---	---	---	1,00	up
6002762	7173640	1308952	---	---	---	1,51	up
6002805	7262570	1528983	---	---	---	2,42	up
6002936	7207971	1394330	---	---	---	1,14	down
6003110	7069721	1055314	---	---	---	1,35	up
6003230	7184151	1335953	---	---	---	1,59	down
6003256	7277783	1567454	---	---	---	1,52	up
6003264	7190524	1351173	---	---	---	1,24	down
6003272	7237814	1467832	---	---	---	1,02	down
6003295	7041609	989556	---	---	---	1,15	down
6003381	7373038	1804294	---	---	---	1,84	down
6003490	7061550	1035284	---	---	---	1,13	up
6003559	7368565	1791286	---	---	---	1,25	down
6003623	7141456	1229584	---	---	---	1,09	up
6003712	7148978	1248460	---	---	---	1,02	down
6003761	7167872	1294018	---	---	---	1,30	down
6003824	7209811	1398673	---	---	---	1,01	down
6003844	7341038	1722690	---	---	---	1,49	down
6004025	7380497	1821824	---	---	---	1,43	down
6004039	7068942	1053374	---	---	---	1,38	down
6004081	7289075	1594464	---	---	---	1,09	up
6004171	7231484	1451397	---	---	---	1,29	down
6004248	7079475	1078284	---	---	---	1,14	up
6004328	7166439	1290100	---	---	---	1,37	down
6004339	7312627	1653487	---	---	---	1,29	down
6004342	7277783	1567444	---	---	---	2,19	up
6004487	7112606	1158780	---	---	---	1,08	down
6004515	7332059	1700728	---	---	---	2,22	down
6004544	7052331	1014567	---	---	---	1,00	up
6004597	7179176	1322916	---	---	---	1,24	up
6004653	7255522	1511418	---	---	---	1,06	down
6004675	7031774	964789	---	---	---	2,06	down
6004770	7343250	1728058	---	---	---	1,23	up
6004877	7066035	1046217	---	---	---	1,01	down
6004898	7156611	1267342	---	---	---	1,17	up
6004942	7141061	1228644	---	---	---	1,11	down
6004981	7222236	1428113	---	---	---	1,11	up
6005010	7243647	1482486	---	---	---	1,29	up
6005061	7068259	1051624	---	---	---	1,02	down
6005093	7259221	1520636	---	---	---	1,57	down
6005165	7146093	1240914	---	---	---	1,05	up
6005221	7120550	1178706	---	---	---	2,33	down
6005235	7132024	1206337	---	---	---	2,00	down
6005283	7361881	1773934	---	---	---	1,36	down
6005305	7098077	1122730	---	---	---	1,31	down
6005355	7339379	1718362	---	---	---	1,11	up
6005439	7148978	1248487	---	---	---	1,02	up
6005523	7064468	1042347	---	---	---	1,16	down

6005571	7255510	1511325	---	---	---	1,11	up
6005585	7291828	1600940	---	---	---	1,03	down
6005655	7083030	1086248	---	---	---	2,53	up
6005684	7361881	1773950	---	---	---	1,29	up
6005735	7100408	1128640	---	---	---	1,06	up
6005739	7350237	1745486	---	---	---	1,23	down
6005743	7033504	969851	---	---	---	1,02	up
6005851	7231137	1450195	---	---	---	1,18	up
6005899	7115362	1165598	---	---	---	1,52	down
6005951	7112355	1158070	---	---	---	1,12	up
6006014	7347427	1738676	---	---	---	2,41	up
6006086	7324018	1681255	---	---	---	1,04	down
6006139	7171091	1302460	---	---	---	1,80	down
6006187	7365147	1781779	---	---	---	1,01	up
6006220	7383102	1827381	---	---	---	1,97	down
6006250	7321029	1674814	---	---	---	1,41	up
6006363	7309646	1646489	---	---	---	1,05	up
6006373	7128539	1197692	---	---	---	1,11	up
6006414	7235794	1462879	---	---	---	1,03	up
6006455	7312532	1653217	---	---	---	1,63	down
6006464	7141151	1228924	---	---	---	1,27	up
6006488	7070836	1058341	---	---	---	1,66	up
6006500	7058149	1027268	---	---	---	1,44	up
6006549	7264745	1534271	---	---	---	1,69	up
6006735	7100307	1128390	---	---	---	2,23	down
6006737	7345465	1733849	---	---	---	1,35	up
6006739	7162177	1280580	---	---	---	1,21	up
6006888	7194356	1361629	---	---	---	1,63	up
6006937	7213294	1406094	---	---	---	1,05	down
6007124	7341002	1722555	---	---	---	1,47	up
6007130	7258455	1518702	---	---	---	1,11	down
6007144	7119179	1174996	---	---	---	1,24	up
6007191	7243901	1483054	---	---	---	1,83	up
6007238	7238153	1468835	---	---	---	1,09	up
6007247	7231152	1450229	---	---	---	1,06	up
6007289	7194400	1361708	---	---	---	1,07	up
6007352	7217679	1417319	---	---	---	1,01	up
6007363	7257893	1517467	---	---	---	1,25	up
6007369	7297589	1615675	---	---	---	1,09	up
6007379	7131372	1205045	---	---	---	1,32	down
6007496	7255911	1512223	---	---	---	1,59	up
6007513	7358859	1766961	---	---	---	1,08	up
6007549	7122140	1182698	---	---	---	1,45	up
6007586	7349817	1744643	---	---	---	1,06	down
6007615	7312569	1653341	---	---	---	1,06	down
6007681	7073854	1065630	---	---	---	1,75	down
6007710	7030037	960713	---	---	---	1,00	down
6007798	7121849	1181771	---	---	---	1,13	up
6007813	7055687	1022014	---	---	---	2,48	down
6007949	7374790	1808784	---	---	---	1,03	up
6008029	7361881	1773953	---	---	---	1,58	up
6008040	7347427	1738676	---	---	---	1,75	down
6008057	7367969	1789098	---	---	---	1,25	down
6008125	7139026	1223500	---	---	---	1,12	up
6008222	7176368	1315568	---	---	---	1,38	up
6008327	7339834	1719548	---	---	---	1,68	up
6008448	7070668	1057962	---	---	---	1,14	up

6008457	7066035	1046198	---	---	---	1,08	down
6008485	7146245	1241377	---	---	---	1,13	down
6008558	7169550	1298365	---	---	---	2,28	up
6008581	7370415	1796850	---	---	---	1,21	up
6008608	7239752	1473182	---	---	---	1,17	down
6008614	7330238	1695957	---	---	---	1,07	down
6008633	7233012	1455415	---	---	---	1,03	down
6008658	7040442	986508	---	---	---	1,67	down
6008675	7190844	1352107	---	---	---	1,20	up
6008757	7113483	1160999	---	---	---	1,14	down
6008820	7299083	1619263	---	---	---	1,56	up
6008824	7363768	1778604	---	---	---	1,16	down
6008967	7039725	984827	---	---	---	1,53	down
6009014	7355244	1758139	---	---	---	2,27	up
6009107	7088164	1098466	---	---	---	1,34	up
6009141	7238199	1468926	---	---	---	1,13	down
6009229	7169732	1298780	---	---	---	1,11	down
6009232	7087965	1098063	---	---	---	1,71	up
6009356	7073898	1065732	---	---	---	1,97	down
6009571	7363529	1777948	---	---	---	1,12	down
6009610	7257976	1517712	---	---	---	1,31	down
6009692	7243647	1482475	---	---	---	1,07	down
6009712	7061894	1036289	---	---	---	1,17	up
6009822	7243726	1482681	---	---	---	1,61	down
6009984	7132715	1207974	---	---	---	1,14	down
6010025	7366749	1785530	---	---	---	1,36	up
6010056	7381330	1823622	---	---	---	1,45	up
6010240	7089080	1101135	---	---	---	1,03	down
6010330	7297589	1615641	---	---	---	1,07	down
6010377	7337425	1713184	---	---	---	1,16	up
6010487	7131876	1206045	---	---	---	1,38	up
6010659	7247230	1490580	---	---	---	1,09	down
6010666	7087965	1098025	---	---	---	1,71	up
6010702	7252877	1504699	---	---	---	1,03	down
6010755	7118234	1172836	---	---	---	1,32	up
6010880	7233524	1457222	---	---	---	1,13	down
6010886	7295652	1610292	---	---	---	1,97	down
6010921	7083355	1086920	---	---	---	1,22	up
6010987	7059584	1030558	---	---	---	1,04	up
6011013	7285563	1586040	---	---	---	1,19	up
6011081	7053878	1018367	---	---	---	1,43	down
6011094	7374313	1807388	---	---	---	1,21	down
6011232	7235069	1460981	---	---	---	1,04	down
6011234	7309738	1646946	---	---	---	1,03	down
6011284	7380497	1821837	---	---	---	1,16	up
6011391	7376073	1811717	---	---	---	1,06	up
6011450	7380878	1822549	---	---	---	1,20	up
6011469	7244287	1484046	---	---	---	1,30	down
6011479	7078605	1076350	---	---	---	1,28	up
6011493	7052331	1014605	---	---	---	1,03	down
6011560	7115963	1167061	---	---	---	1,28	down
6011595	7052331	1014568	---	---	---	1,25	up
6011601	7261668	1526981	---	---	---	1,03	up
6011680	7292517	1602552	---	---	---	1,03	down
6011830	7336931	1711896	---	---	---	1,05	up
6011865	7142081	1230973	---	---	---	1,29	down
6011970	7340757	1721902	---	---	---	1,34	up

6011984	7176368	1315565	---	---	---	1,16	up
6012027	7065860	1045803	---	---	---	1,26	down
6012035	7033616	970191	---	---	---	1,38	down
6012091	7217650	1417180	---	---	---	1,48	up
6012213	7247907	1492242	---	---	---	2,06	down
6012280	7253408	1505940	---	---	---	1,04	down
6012318	7226109	1437383	---	---	---	1,55	up
6012375	7184931	1337715	---	---	---	1,16	up
6012483	7053620	1017794	---	---	---	1,50	down
6012506	7168439	1295659	---	---	---	1,47	up
6012522	7232732	1454582	---	---	---	1,03	up
6012583	7035525	974778	---	---	---	1,37	down
6012601	7221247	1425838	---	---	---	1,04	down
6012624	7235840	1463000	---	---	---	1,00	down
6012726	7372840	1803781	---	---	---	1,22	up
6012744	7279073	1570710	---	---	---	1,09	up
6012801	7189669	1348994	---	---	---	1,20	down
6012827	7115963	1167054	---	---	---	1,14	down
6012843	7073673	1065088	---	---	---	1,28	up
6012892	7113985	1162241	---	---	---	2,06	up
6012923	7363768	1778601	---	---	---	1,24	down
6012995	7213908	1407732	---	---	---	1,40	up
6013013	7065810	1045683	---	---	---	1,33	up
6013131	7372840	1803783	---	---	---	1,31	down
6013161	7341038	1722683	---	---	---	1,02	up
6013276	7240569	1475485	---	---	---	1,01	up
6013306	7368005	1789339	---	---	---	1,57	down
6013337	7198002	1370444	---	---	---	2,98	up
6013429	7031618	964199	---	---	---	1,20	up
6013545	7240569	1475382	---	---	---	1,15	down
6013631	7170845	1301861	---	---	---	1,31	down
6013646	7069253	1054148	---	---	---	1,20	up
6013674	7169732	1298749	---	---	---	1,09	up
6013680	7243901	1483044	---	---	---	1,04	up
6013715	7179785	1324499	---	---	---	1,05	down
6013774	7268357	1543402	---	---	---	1,76	down
6013778	7260553	1524109	---	---	---	1,16	down
6013782	7312566	1653321	---	---	---	1,25	up
6013939	7176275	1315342	---	---	---	1,01	up
6013956	7109292	1150724	---	---	---	1,57	down
6013974	7353287	1753024	---	---	---	1,20	down
6013992	7186464	1341387	---	---	---	1,06	up
6014027	7083031	1086284	---	---	---	1,40	up
6014165	7384509	1830753	---	---	---	1,10	up
6014168	7331757	1700036	---	---	---	1,28	up
6014268	7138580	1222503	---	---	---	1,01	up
6014326	7367994	1789263	---	---	---	1,02	down
6014331	7122805	1184248	---	---	---	2,18	down
6014354	7056333	1023717	---	---	---	1,23	up
6014356	7298101	1616992	---	---	---	1,13	up
6014543	7374313	1807374	---	---	---	1,65	up
6014594	7049793	1009017	---	---	---	1,15	up
6014681	7329846	1695002	---	---	---	1,43	up
6014717	7231484	1451367	---	---	---	1,41	up
6014740	7274593	1558815	---	---	---	1,42	up
6014803	7197056	1367840	---	---	---	2,04	down
6014852	7365183	1781902	---	---	---	1,14	up

6014877	7212587	1404642	---	---	---	1,11	down
6014880	7070668	1057918	---	---	---	1,53	up
6014905	7102113	1132840	---	---	---	1,14	up
6014913	7109292	1150749	---	---	---	1,12	up
6014940	7384509	1830719	---	---	---	1,12	up
6015049	7281924	1577724	---	---	---	1,18	down
6015088	7066035	1046215	---	---	---	1,23	down
6015213	7203018	1382641	---	---	---	1,04	down
6015336	7253408	1505949	---	---	---	1,18	down
6015365	7095066	1115289	---	---	---	2,50	up
6015369	7373678	1805877	---	---	---	1,07	down
6015374	7033504	969843	---	---	---	1,02	down
6015416	7249917	1497395	---	---	---	1,41	up
6015446	7329802	1694915	---	---	---	1,89	down
6015451	7078605	1076359	---	---	---	1,03	down
6015476	7130889	1203865	---	---	---	1,26	up
6015505	7125348	1190075	---	---	---	1,33	up
6015517	7279568	1572041	---	---	---	2,07	up
6015612	7069830	1055629	---	---	---	1,07	up
6015684	7364346	1780025	---	---	---	1,17	down
6015762	7355804	1759434	---	---	---	1,14	down
6015802	7089080	1101172	---	---	---	1,07	down
6015803	7301807	1626293	---	---	---	1,37	up
6015871	7279103	1570837	---	---	---	1,21	up
6015952	7340757	1721897	---	---	---	1,12	down
6015957	7273744	1556972	---	---	---	1,08	up
6015967	7337224	1712628	---	---	---	1,02	down
6015975	7194400	1361731	---	---	---	1,14	up
6016017	7062436	1037652	---	---	---	1,08	down
6016222	7384509	1830722	---	---	---	1,03	up
6016227	7060896	1033561	---	---	---	1,35	down
6016241	7239939	1473791	---	---	---	1,16	down
6016293	7132020	1206319	---	---	---	1,01	down
6016312	7376073	1811701	---	---	---	1,12	up
6016510	7374790	1808765	---	---	---	1,23	down
6016554	7339379	1718332	---	---	---	1,02	up
6016618	7166867	1291323	---	---	---	1,24	down
6016624	7344530	1731570	---	---	---	1,09	up
6016648	7236358	1464238	---	---	---	1,04	down
6016674	7142917	1233164	---	---	---	1,07	up
6016744	7073679	1065190	---	---	---	2,59	down
6016779	7068259	1051604	---	---	---	1,04	down
6016822	7301807	1626292	---	---	---	1,45	up
6016889	7043379	993593	---	---	---	2,24	up
6016990	7252877	1504750	---	---	---	1,02	up
6016994	7276650	1564162	---	---	---	1,19	up
6017010	7183182	1333577	---	---	---	1,59	down
6017065	7096924	1119606	---	---	---	1,49	up
6017079	7253408	1505956	---	---	---	1,12	down
6017100	7131372	1205036	---	---	---	1,76	down
6017127	7227474	1441145	---	---	---	1,17	down
6017305	7039223	983568	---	---	---	1,24	up
6017388	7280743	1574503	---	---	---	1,24	down
6017396	7186464	1341358	---	---	---	1,50	down
6017434	7231484	1451373	---	---	---	1,24	up
6017493	7101643	1131573	---	---	---	1,06	down
6017509	7352119	1750271	---	---	---	1,03	up

6017518	7336854	1711683	---	---	---	2,55	up
6017704	7309738	1646946	---	---	---	1,24	down
6017825	7205944	1389468	---	---	---	1,08	up
6017926	7079600	1078631	---	---	---	2,06	down
6017936	7086522	1093951	---	---	---	1,82	up
6017982	7293922	1605960	---	---	---	1,12	down
6018027	7056736	1024426	---	---	---	2,07	up
6018059	7279555	1571953	---	---	---	1,11	down
6018111	7336837	1711635	---	---	---	1,05	down
6018234	7210822	1400975	---	---	---	1,05	up
6018303	7158517	1271591	---	---	---	1,30	down
6018415	7346229	1735586	---	---	---	1,13	down
6018613	7288077	1591986	---	---	---	2,61	up
6018619	7146542	1242212	---	---	---	1,19	down
6018826	7230628	1448868	---	---	---	1,07	down
6018956	7092549	1109194	---	---	---	1,16	down
6019119	7258323	1518473	---	---	---	5,01	down
6019214	7339732	1719209	---	---	---	1,36	up
6019433	7227433	1440954	---	---	---	1,23	down
6019440	7050716	1011221	---	---	---	1,09	down
6019467	7339452	1718596	---	---	---	1,20	down
6019484	7363674	1778412	---	---	---	1,14	up
6019496	7140365	1226770	---	---	---	1,13	down
6019542	7248790	1494490	---	---	---	1,31	down
6019551	7188829	1346662	---	---	---	1,50	down
6019657	7363529	1777903	---	---	---	1,06	down
6019715	7109292	1150737	---	---	---	2,26	up
6019771	7321414	1675636	---	---	---	1,23	down
6019809	7344380	1731129	---	---	---	1,18	up
6020015	7091954	1107705	---	---	---	1,03	down
6020107	7041609	989577	---	---	---	1,03	down
6020110	7293234	1604356	---	---	---	1,09	down
6020225	7243363	1481615	---	---	---	1,09	down
6020235	7207093	1392082	---	---	---	1,05	up
6020245	7376820	1813399	---	---	---	1,96	down
6020271	7128112	1196542	---	---	---	1,13	up
6020318	7248790	1494484	---	---	---	1,27	down
6020355	7100523	1128852	---	---	---	1,36	down
6020359	7264653	1534040	---	---	---	1,07	down
6020425	7086966	1095244	---	---	---	1,04	down
6020463	7030144	960893	---	---	---	2,34	down
6020500	7236492	1464560	---	---	---	1,34	down
6020521	7217434	1416391	---	---	---	1,07	down
6020576	7064372	1042174	---	---	---	1,73	down
6020591	7144389	1236781	---	---	---	1,17	down
6020613	7131372	1205028	---	---	---	1,00	down
6020771	7195680	1364888	---	---	---	1,21	down
6020904	7230886	1449530	---	---	---	1,08	up
6020929	7329135	1693500	---	---	---	1,04	up
6020973	7292869	1603455	---	---	---	1,14	up
6020981	7056736	1024414	---	---	---	1,29	down
6021011	7363529	1777908	---	---	---	1,51	down
6021216	7263248	1530602	---	---	---	2,74	up
6021251	7069253	1054162	---	---	---	1,17	down
6021259	7330731	1697197	---	---	---	1,00	down
6021374	7290942	1599138	---	---	---	1,17	down
6021422	7257976	1517707	---	---	---	1,09	down

6021480	7289075	1594465	---	---	---	1,11	down
6021485	7298920	1618823	---	---	---	1,77	up
6021534	7193916	1360447	---	---	---	1,13	down
6021549	7318596	1668935	---	---	---	1,42	up
6021693	7313841	1656719	---	---	---	1,02	down
6021766	7279533	1571916	---	---	---	1,09	up
6021795	7371682	1800780	---	---	---	4,71	up
6021871	7083030	1086250	---	---	---	1,32	down
6022070	7217747	1417462	---	---	---	1,05	down
6022169	7176275	1315355	---	---	---	3,02	down
6022181	7302787	1628885	---	---	---	1,13	down
6022193	7360486	1770938	---	---	---	1,02	down
6022298	7274780	1559234	---	---	---	1,86	up
6022344	7114274	1162813	---	---	---	1,01	up
6022347	7269637	1546244	---	---	---	2,28	down
6022353	7279555	1571951	---	---	---	1,08	up
6022382	7098810	1124646	---	---	---	2,75	down
6022443	7301807	1626289	---	---	---	1,57	up
6022447	7170764	1301488	---	---	---	1,05	up
6022614	7172691	1306453	---	---	---	1,12	up
6022685	7361881	1773965	---	---	---	1,51	down
6022738	7249019	1495080	---	---	---	1,29	down
6022760	7228520	1443758	---	---	---	1,19	up
6022811	7067670	1050313	---	---	---	2,74	up
6022919	7344530	1731575	---	---	---	1,32	down
6022939	7277742	1567159	---	---	---	1,50	up
6023024	7351953	1749880	---	---	---	1,34	down
6023153	7071741	1060453	---	---	---	2,01	down
6023192	7368004	1789332	---	---	---	1,36	up
6023234	7068259	1051649	---	---	---	1,11	up
6023270	7099294	1126098	---	---	---	1,47	up
6023273	7281924	1577746	---	---	---	1,25	down
6023337	7062233	1037216	---	---	---	1,04	up
6023468	7189669	1348992	---	---	---	1,76	down
6023496	7186688	1341849	---	---	---	1,36	up
6023505	7295652	1610299	---	---	---	1,14	down
6023601	7030454	961554	---	---	---	1,16	up
6023734	7365147	1781753	---	---	---	1,44	up
6023751	7142917	1233159	---	---	---	1,54	up
6023791	7142917	1233172	---	---	---	1,20	down
6023848	7146872	1242917	---	---	---	1,00	up
6023849	7122140	1182729	---	---	---	1,40	down
6023854	7197056	1367840	---	---	---	1,05	down
6024041	7109292	1150750	---	---	---	1,12	up
6024079	7049689	1008872	---	---	---	1,44	down
6024164	7166867	1291292	---	---	---	1,41	up
6024194	7210822	1400974	---	---	---	1,20	up
6024204	7254040	1507581	---	---	---	1,02	down
6024260	7208436	1395315	---	---	---	1,62	up
6024375	7255755	1511922	---	---	---	1,29	up
6024381	7033337	969498	---	---	---	1,06	up
6024427	7147213	1243829	---	---	---	1,03	down
6024430	7260488	1523923	---	---	---	1,19	down
6024474	7292701	1602969	---	---	---	1,31	down
6024627	7336050	1709754	---	---	---	2,35	down
6024641	7380497	1821824	---	---	---	1,13	up
6024660	7321029	1674804	---	---	---	1,15	down

6024672	7100408	1128641	---	---	---	1,21	down
6025124	7075460	1069410	---	---	---	5,74	up
6025169	7244288	1484094	---	---	---	1,07	down
6025180	7146000	1240656	---	---	---	1,10	up
6025193	7360486	1771006	---	---	---	1,20	down
6025228	7148741	1247836	---	---	---	1,47	up
6025248	7140834	1227975	---	---	---	2,20	up
6025272	7205944	1389469	---	---	---	1,12	down
6025320	7180243	1325515	---	---	---	1,59	down
6025391	7217747	1417473	---	---	---	1,34	up
6025472	7190242	1350307	---	---	---	1,13	up
6025577	7337845	1714342	---	---	---	1,23	up
6025586	7349817	1744598	---	---	---	1,15	down
6025640	7217192	1415699	---	---	---	1,70	down
6025659	7053874	1018315	---	---	---	1,02	down
6025697	7342430	1726127	---	---	---	1,14	down
6025764	7358859	1767005	---	---	---	1,02	up
6025877	7064468	1042338	---	---	---	1,48	up
6025888	7064732	1042909	---	---	---	2,09	down
6026038	7196803	1367333	---	---	---	1,24	down
6026209	7285530	1585964	---	---	---	2,18	down
6026229	7247230	1490600	---	---	---	1,25	down
6026259	7340990	1722518	---	---	---	2,07	down
6026269	7234040	1458500	---	---	---	1,69	up
6026272	7255911	1512224	---	---	---	1,09	up
6026298	7052957	1016277	---	---	---	2,33	up
6026432	7280743	1574484	---	---	---	1,02	up
6026456	7349817	1744641	---	---	---	1,11	down
6026572	7248790	1494519	---	---	---	1,35	up
6026578	7176368	1315563	---	---	---	1,17	down
6026613	7142917	1233180	---	---	---	1,06	down
6026632	7095021	1115118	---	---	---	1,55	up
6026693	7360486	1770973	---	---	---	1,41	down
6026889	7083030	1086272	---	---	---	1,17	down
6026992	7044906	998123	---	---	---	1,07	down
6027003	7060195	1031960	---	---	---	1,26	up
6027004	7096924	1119625	---	---	---	1,95	down
6027095	7153136	1258039	---	---	---	1,16	down
6027201	7330223	1695840	---	---	---	1,04	up
6027227	7235323	1461555	---	---	---	1,12	down
6027249	7254209	1508007	---	---	---	1,24	up
6027299	7174281	1310907	---	---	---	1,09	down
6027329	7031774	964715	---	---	---	1,01	up
6027351	7194400	1361709	---	---	---	1,10	down
6027364	7168979	1297184	---	---	---	1,14	up
6027476	7111361	1155622	---	---	---	1,13	up
6027579	7073854	1065622	---	---	---	1,53	up
6027598	7339379	1718313	---	---	---	1,42	up
6027664	7169599	1298451	---	---	---	1,11	up
6027752	7155866	1265324	---	---	---	1,09	down
6027809	7128112	1196527	---	---	---	1,01	down
6027878	7243894	1482987	---	---	---	1,65	up
6027914	7058149	1027265	---	---	---	1,08	down
6027925	7114274	1162821	---	---	---	1,02	up
6027966	7168521	1295971	---	---	---	1,29	down
6027997	7350993	1747552	---	---	---	1,42	down
6028043	7366749	1785491	---	---	---	1,10	down

6028123	7184850	1337599	---	---	---	1,07	up
6028141	7062233	1037190	---	---	---	1,28	down
6028149	7030087	960786	---	---	---	1,17	down
6028209	7142416	1231798	---	---	---	2,25	up
6028329	7078143	1075433	---	---	---	1,53	down
6028400	7098810	1124651	---	---	---	1,18	up
6028441	7043379	993650	---	---	---	1,90	down
6028455	7279533	1571915	---	---	---	1,07	up
6028533	7087500	1096720	---	---	---	2,31	up
6028565	7112355	1158087	---	---	---	2,31	down
6028593	7213908	1407677	---	---	---	1,17	down
6028626	7352635	1751442	---	---	---	1,38	up
6028638	7363147	1777030	---	---	---	1,04	down
6028653	7106752	1144046	---	---	---	1,15	down
6028697	7100408	1128642	---	---	---	1,04	up
6028758	7353232	1752772	---	---	---	1,07	up
6028832	7122140	1182736	---	---	---	1,10	up
6028977	7141061	1228678	---	---	---	1,09	down
6028996	7121849	1181777	---	---	---	1,03	up
6029069	7059971	1031459	---	---	---	1,15	up
6029077	7245932	1487788	---	---	---	1,30	up
6029100	7068259	1051615	---	---	---	1,83	down
6029102	7292517	1602533	---	---	---	1,01	down
6029143	7029770	960149	---	---	---	1,14	down
6029161	7293402	1604720	---	---	---	1,46	up
6029218	7288077	1591963	---	---	---	1,13	up
6029233	7264653	1534029	---	---	---	1,73	down
6029385	7243894	1482990	---	---	---	1,01	down
6029416	7101258	1130576	---	---	---	1,04	down
6029434	7218728	1419926	---	---	---	1,66	down
6029485	7196029	1365641	---	---	---	1,15	down
6029539	7258323	1518477	---	---	---	5,55	down
6029597	7038530	981864	---	---	---	1,08	up
6029689	7237814	1467816	---	---	---	1,03	up
6029743	7371001	1798839	---	---	---	1,02	down
6029755	7158419	1271400	---	---	---	1,14	down
6029890	7301843	1626476	---	---	---	1,05	up
6029953	7084193	1089096	---	---	---	1,53	up
6030006	7359453	1768448	---	---	---	1,47	down
6030020	7078143	1075434	---	---	---	1,05	up
6030147	7071969	1060903	---	---	---	1,62	down
6030288	7227474	1441147	---	---	---	1,05	up
6030314	7374740	1808632	---	---	---	2,24	up
6030347	7321414	1675637	---	---	---	1,02	down
6030378	7224182	1432759	---	---	---	1,16	up
6030407	7346687	1736695	---	---	---	1,04	down
6030527	7261766	1527158	---	---	---	1,32	down
6030545	7207069	1392018	---	---	---	2,75	down
6030599	7279103	1570815	---	---	---	1,04	up
6030609	7108434	1148305	---	---	---	1,03	up
6030818	7277719	1567090	---	---	---	1,06	up
6030853	7252877	1504765	---	---	---	1,01	down
6030918	7139026	1223496	---	---	---	1,06	down
6031161	7164949	1286356	---	---	---	1,24	up
6031237	7083030	1086252	---	---	---	1,02	up
6031239	7148741	1247859	---	---	---	1,66	down
6031256	7052331	1014570	---	---	---	1,03	up

6031382	7231834	1452270	---	---	---	1,02	down
6031449	7030037	960707	---	---	---	1,14	down
6031462	7374313	1807379	---	---	---	1,18	up
6031478	7383501	1828201	---	---	---	1,93	up
6031531	7312121	1652374	---	---	---	1,30	down
6031576	7086672	1094341	---	---	---	1,15	up
6031622	7180732	1326720	---	---	---	1,09	up
6031640	7172373	1305585	---	---	---	1,04	up
6031644	7139708	1225059	---	---	---	1,24	down
6031754	7148741	1247852	---	---	---	1,01	down
6031834	7329135	1693490	---	---	---	1,08	down
6031880	7033006	968487	---	---	---	1,01	down
6031895	7138349	1221923	---	---	---	1,19	up
6032048	7339387	1718392	---	---	---	1,01	up
6032232	7383102	1827395	---	---	---	1,27	up
6032243	7258455	1518705	---	---	---	1,29	down
6032245	7258455	1518723	---	---	---	1,05	down
6032321	7038153	981154	---	---	---	2,21	up
6032509	7277783	1567465	---	---	---	1,15	up
6032518	7112355	1158078	---	---	---	1,26	up
6032522	7317318	1665827	---	---	---	1,15	down
6032527	7207093	1392137	---	---	---	1,18	up
6032651	7237672	1467293	---	---	---	1,48	up
6032676	7225291	1435295	---	---	---	2,50	up
6032803	7059971	1031464	---	---	---	1,75	down
6032955	7256070	1512582	---	---	---	1,03	up
6033007	7232732	1454584	---	---	---	2,84	down
6033022	7071714	1060357	---	---	---	1,12	up
6033034	7244290	1484145	---	---	---	4,14	up
6033233	7089080	1101135	---	---	---	1,16	down
6033243	7110401	1153074	---	---	---	1,19	down
6033256	7060085	1031720	---	---	---	1,10	down
6033260	7373678	1805863	---	---	---	1,63	up
6033284	7156170	1266282	---	---	---	1,52	up
6033300	7070836	1058332	---	---	---	1,42	down
6033372	7245921	1487689	---	---	---	1,50	down
6033418	7374493	1807964	---	---	---	1,27	down
6033428	7307473	1641297	---	---	---	1,00	down
6033430	7236131	1463767	---	---	---	1,13	down
6033433	7350489	1746125	---	---	---	1,03	up
6033543	7210822	1400972	---	---	---	1,94	up
6033612	7069830	1055604	---	---	---	1,04	down
6033743	7212735	1405026	---	---	---	1,22	down
6033790	7324760	1683088	---	---	---	1,27	down
6033850	7274780	1559241	---	---	---	1,73	down
6033875	7058507	1028305	---	---	---	1,09	down
6033893	7374493	1807962	---	---	---	1,09	down
6033913	7082098	1084121	---	---	---	1,17	down
6033940	7176368	1315582	---	---	---	1,37	up
6034048	7356619	1761352	---	---	---	1,17	down
6034072	7264653	1534041	---	---	---	1,28	up
6034145	7039725	984826	---	---	---	1,54	down
6034186	7324071	1681460	---	---	---	2,14	down
6034198	7341546	1723964	---	---	---	1,14	down
6034240	7370412	1796835	---	---	---	1,86	up
6034297	7094139	1112919	---	---	---	1,43	down
6034318	7309734	1646886	---	---	---	1,18	up

6034320	7033616	970211	---	---	---	1,22	down
6034385	7078982	1077349	---	---	---	1,62	up
6034433	7366749	1785518	---	---	---	1,31	up
6034525	7245874	1487595	---	---	---	1,26	down
6034541	7188138	1345026	---	---	---	1,52	up
6034558	7049184	1007937	---	---	---	1,13	up
6034562	7353382	1753224	---	---	---	1,57	down
6034602	7370002	1795789	---	---	---	1,49	up
6034607	7337425	1713156	---	---	---	1,13	down
6034633	7384073	1829461	---	---	---	2,15	up
6034634	7364346	1779993	---	---	---	1,13	up
6034764	7353284	1752983	---	---	---	1,01	down
6034775	7264653	1534051	---	---	---	1,48	up
6034781	7090581	1104745	---	---	---	1,53	down
6034852	7368954	1792774	---	---	---	1,22	down
6034856	7321029	1674804	---	---	---	1,14	up
6034972	7374324	1807539	---	---	---	1,37	down
6034989	7330238	1695945	---	---	---	2,48	up
6035028	7069721	1055289	---	---	---	1,13	down
6035061	7353284	1752983	---	---	---	2,15	down
6035125	7195680	1364876	---	---	---	1,10	down
6035127	7096589	1118530	---	---	---	1,56	down
6035259	7245874	1487589	---	---	---	2,12	up
6035348	7341958	1724894	---	---	---	1,17	up
6035360	7168979	1297175	---	---	---	2,03	down
6035439	7337872	1714429	---	---	---	1,42	up
6035487	7250671	1499016	---	---	---	1,02	down
6035512	7166867	1291307	---	---	---	1,06	down
6035515	7273251	1555942	---	---	---	2,51	down
6035565	7186305	1341003	---	---	---	1,24	down
6035676	7113483	1161015	---	---	---	1,07	down
6035696	7136062	1216293	---	---	---	2,12	down
6035747	7193403	1359177	---	---	---	1,67	down
6035769	7039223	983577	---	---	---	1,08	up
6035777	7331508	1699465	---	---	---	1,39	up
6035792	7231834	1452269	---	---	---	1,07	down
6035837	7373678	1805867	---	---	---	1,20	up
6035841	7302327	1627688	---	---	---	1,15	up
6035873	7337425	1713209	---	---	---	1,09	down
6035956	7307473	1641272	---	---	---	1,01	down
6035971	7083355	1086920	---	---	---	1,23	down
6036031	7364346	1780008	---	---	---	1,01	up
6036035	7374790	1808786	---	---	---	1,10	down
6036107	7122140	1182725	---	---	---	1,06	up
6036214	7198002	1370441	---	---	---	1,00	up
6036274	7166867	1291372	---	---	---	1,04	up
6036299	7288077	1592010	---	---	---	1,09	down
6036433	7100307	1128385	---	---	---	1,33	down
6036457	7320735	1674182	---	---	---	1,10	up
6036474	7174114	1310431	---	---	---	1,14	up
6036498	7371228	1799466	---	---	---	2,08	down
6036782	7353232	1752687	---	---	---	1,65	up
6036806	7255522	1511454	---	---	---	1,31	down
6036824	7188138	1345026	---	---	---	1,03	up
6036844	7355138	1757708	---	---	---	1,11	down
6037118	7353287	1753022	---	---	---	2,19	up
6037165	7190317	1350513	---	---	---	2,37	down

6037250	7092549	1109191	---	---	---	1,77	down
6037330	7181442	1328885	---	---	---	1,25	up
6037382	7383655	1828573	---	---	---	2,17	up
6037407	7149934	1250512	---	---	---	1,11	down
6037417	7364346	1780015	---	---	---	1,12	down
6037459	7177520	1318613	---	---	---	1,06	down
6037597	7181001	1327599	---	---	---	1,29	down
6037633	7243627	1482360	---	---	---	1,07	up
6037651	7285563	1586039	---	---	---	1,44	up
6037659	7322020	1676644	---	---	---	1,19	up
6037673	7152915	1257449	---	---	---	1,95	up
6037682	7295652	1610282	---	---	---	1,01	up
6037814	7228530	1443902	---	---	---	1,48	up
6037957	7243894	1482975	---	---	---	1,07	up
6037958	7326378	1686712	---	---	---	1,41	down
6038067	7365147	1781754	---	---	---	1,22	down
6038160	7144389	1236776	---	---	---	1,05	up
6038292	7330396	1696390	---	---	---	1,32	down
6038346	7182056	1330579	---	---	---	2,12	down
6038351	7070393	1057212	---	---	---	2,30	up
6038420	7053786	1018132	---	---	---	1,20	up
6038462	7086672	1094348	---	---	---	1,89	up
6038521	7139026	1223505	---	---	---	1,17	up
6038804	7120827	1179351	---	---	---	1,02	down
6038809	7371228	1799454	---	---	---	1,06	down
6038837	7244288	1484135	---	---	---	1,37	down
6038862	7258455	1518728	---	---	---	1,05	down
6038890	7309734	1646894	---	---	---	1,01	down
6039048	7099543	1126630	---	---	---	1,10	down
6039053	7058507	1028304	---	---	---	1,03	up
6039076	7336854	1711688	---	---	---	1,14	up
6039098	7371228	1799459	---	---	---	1,15	down
6039118	7382499	1826256	---	---	---	1,31	up
6039197	7158419	1271399	---	---	---	1,17	down
6039348	7155286	1263910	---	---	---	1,79	up
6039590	7258784	1519672	---	---	---	1,38	down
6039614	7378997	1818660	---	---	---	1,10	up
6039619	7058713	1028656	---	---	---	1,20	down
6039624	7344380	1731116	---	---	---	1,03	up
6039633	7331508	1699461	---	---	---	1,04	down
6039733	7363568	1778132	---	---	---	1,14	down
6039811	7097305	1120448	---	---	---	1,00	down
6039884	7044906	998155	---	---	---	2,13	up
6039917	7211389	1402113	---	---	---	1,56	down
6039929	7333333	1703402	---	---	---	1,10	down
6040295	7353287	1753033	---	---	---	1,03	up
6040297	7072748	1062586	---	---	---	1,42	down
6040323	7374790	1808779	---	---	---	1,42	down
6040324	7236358	1464235	---	---	---	1,12	down
6040464	7243647	1482488	---	---	---	1,03	up
6040486	7039223	983566	---	---	---	1,00	down
6040490	7052331	1014572	---	---	---	1,12	down
6040534	7112566	1158631	---	---	---	1,49	up
6040586	7030519	961695	---	---	---	1,08	up
6040624	7272577	1554204	---	---	---	1,30	down
6040746	7040442	986525	---	---	---	1,41	up
6040808	7326271	1686522	---	---	---	1,14	down

6040819	7101258	1130559	---	---	---	1,42	up
6040843	7039725	984811	---	---	---	1,36	up
6041021	7329135	1693496	---	---	---	1,09	up
6041176	7033504	969866	---	---	---	1,09	up
6041239	7297274	1614612	---	---	---	1,28	down
6041266	7122140	1182723	---	---	---	1,16	down
6041287	7120427	1178424	---	---	---	1,10	up
6041298	7314270	1657731	---	---	---	1,21	up
6041316	7272110	1553084	---	---	---	1,20	up
6041550	7142917	1233182	---	---	---	1,01	up
6041564	7069830	1055631	---	---	---	1,51	down
6041587	7269911	1546907	---	---	---	1,34	down
6041608	7233921	1458156	---	---	---	2,28	down
6041651	7028326	957435	---	---	---	1,30	up
6041728	7100523	1128864	---	---	---	1,01	up
6041819	7096680	1118809	---	---	---	2,08	down
6041832	7137646	1220435	---	---	---	1,33	down
6041926	7349817	1744643	---	---	---	1,25	down
6042141	7058507	1028317	---	---	---	1,16	down
6042224	7240569	1475483	---	---	---	1,25	up
6042268	7121849	1181793	---	---	---	1,30	down
6042345	7286807	1588833	---	---	---	1,52	up
6042371	7282831	1579767	---	---	---	1,75	down
6042372	7167325	1292547	---	---	---	1,01	down
6042481	7217747	1417472	---	---	---	1,47	up
6042522	7274892	1559572	---	---	---	1,03	up
6042566	7052385	1014798	---	---	---	1,01	down
6042570	7227474	1441154	---	---	---	1,17	up
6042628	7221168	1425632	---	---	---	1,86	up
6042673	7214605	1409395	---	---	---	1,22	down
6042769	7101643	1131580	---	---	---	1,10	up
6042801	7314270	1657753	---	---	---	1,08	down
6042805	7274892	1559547	---	---	---	1,26	down
6042831	7279568	1572005	---	---	---	1,50	up
6042941	7165954	1288770	---	---	---	1,24	down
6043009	7062233	1037210	---	---	---	1,10	down
6043020	7031774	964766	---	---	---	1,22	down
6043042	7108062	1147136	---	---	---	1,19	down
6043047	7087965	1098057	---	---	---	1,11	down
6043078	7027350	954943	---	---	---	1,17	up
6043146	7346687	1736696	---	---	---	2,09	down
6043196	7329135	1693501	---	---	---	1,27	down
6043309	7356115	1760126	---	---	---	1,08	up
6043338	7070836	1058339	---	---	---	1,29	up
6043407	7369939	1795601	---	---	---	2,09	up
6043422	7101258	1130564	---	---	---	1,19	down
6043464	7365147	1781756	---	---	---	1,25	down
6043501	7203018	1382647	---	---	---	1,02	up
6043561	7058713	1028655	---	---	---	1,04	down
6043609	7306330	1638528	---	---	---	1,07	up
6043703	7288077	1591963	---	---	---	1,08	down
6043745	7037235	978573	---	---	---	1,00	down
6043850	7205944	1389489	---	---	---	1,03	up
6043853	7312566	1653305	---	---	---	1,44	down
6043898	7122131	1182683	---	---	---	1,22	down
6044165	7052813	1015935	---	---	---	1,02	down
6044296	7352046	1750037	---	---	---	1,43	down

6044393	7233178	1455907	---	---	---	1,62	up
6044416	7186688	1341847	---	---	---	1,09	up
6044492	7033006	968489	---	---	---	1,20	down
6044534	7100523	1128850	---	---	---	1,19	down
6044568	7288077	1591950	---	---	---	1,18	down
6044618	7373678	1805864	---	---	---	1,34	up
6044743	7053874	1018322	---	---	---	1,03	up
6044784	7041319	988752	---	---	---	1,10	down
6044830	7293402	1604808	---	---	---	1,41	down
6044859	7156052	1265760	---	---	---	1,06	up
6044872	7081487	1082699	---	---	---	1,58	down
6044886	7248790	1494492	---	---	---	1,17	up
6044892	7300392	1622751	---	---	---	1,02	down
6044897	7027350	954944	---	---	---	1,07	down
6044923	7153136	1258057	---	---	---	1,01	up
6044938	7240569	1475397	---	---	---	1,02	up
6044993	7088164	1098459	---	---	---	1,43	up
6045049	7141061	1228643	---	---	---	1,28	down
6045075	7066035	1046207	---	---	---	1,57	up
6045250	7038659	982163	---	---	---	1,62	down
6045265	7176368	1315570	---	---	---	1,27	down
6045432	7302327	1627692	---	---	---	1,25	down
6045542	7225543	1435934	---	---	---	1,05	up
6045659	7337872	1714437	---	---	---	1,02	down
6045834	7264745	1534266	---	---	---	1,23	up
6045851	7297274	1614664	---	---	---	1,05	up
6045856	7302327	1627689	---	---	---	1,10	down
6045891	7087282	1096212	---	---	---	2,09	down
6045959	7285563	1586041	---	---	---	1,30	down
6046035	7356333	1760495	---	---	---	1,35	down
6046105	7213908	1407680	---	---	---	1,27	up
6046132	7092549	1109124	---	---	---	1,19	down
6046171	7366749	1785514	---	---	---	1,16	up
6046277	7070393	1057217	---	---	---	1,44	up
6046287	7122140	1182705	---	---	---	1,21	down
6046417	7063873	1040650	---	---	---	1,49	down
6046435	7331413	1699130	---	---	---	1,04	down
6046464	7341038	1722681	---	---	---	1,22	up
6046497	7288284	1592648	---	---	---	1,33	down
6046519	7267344	1540263	---	---	---	1,47	up
6046702	7042382	991286	---	---	---	1,60	up
6046754	7168979	1297200	---	---	---	1,16	down
6046815	7264797	1534428	---	---	---	1,15	up
6046871	7193513	1359467	---	---	---	1,06	down
6046929	7250511	1498635	---	---	---	1,11	up
6047044	7376566	1812848	---	---	---	1,71	down
6047074	7380497	1821870	---	---	---	1,42	down
6047158	7380497	1821824	---	---	---	1,01	down
6047235	7289879	1596430	---	---	---	1,36	down
6047308	7069142	1053876	---	---	---	1,09	down
6047403	7196233	1366103	---	---	---	1,52	up
6047499	7207069	1392008	---	---	---	1,17	up
6047545	7244288	1484135	---	---	---	1,15	down
6047643	7176275	1315341	---	---	---	1,19	down
6047656	7028278	957312	---	---	---	1,61	down
6047696	7308679	1644238	---	---	---	1,05	up
6047726	7256070	1512593	---	---	---	1,10	up

6047745	7318651	1669091	---	---	---	2,03	down
6047753	7373633	1805703	---	---	---	1,11	down
6047761	7136062	1216276	---	---	---	1,21	up
6047772	7078982	1077350	---	---	---	1,27	up
6047862	7309738	1646958	---	---	---	1,25	up
6047891	7204929	1387148	---	---	---	1,27	down
6047903	7194400	1361768	---	---	---	1,39	down
6047904	7212285	1403988	---	---	---	1,63	down
6047929	7116023	1167290	---	---	---	1,05	down
6048002	7353284	1752984	---	---	---	1,04	up
6048088	7166867	1291368	---	---	---	1,05	down
6048138	7150348	1251413	---	---	---	1,16	down
6048166	7347427	1738667	---	---	---	1,10	up
6048171	7205750	1388974	---	---	---	1,19	up
6048193	7240569	1475517	---	---	---	1,01	down
6048246	7248790	1494538	---	---	---	1,15	down
6048344	7359453	1768458	---	---	---	1,11	down
6048431	7196029	1365626	---	---	---	1,08	up
6048606	7069727	1055360	---	---	---	1,31	down
6048664	7146000	1240656	---	---	---	1,25	up
6048689	7340304	1720867	---	---	---	1,23	down
6048696	7062436	1037672	---	---	---	1,39	up
6048699	7253272	1505515	---	---	---	1,04	down
6048970	7207093	1392099	---	---	---	1,01	down
6048985	7280743	1574538	---	---	---	1,06	up
6049038	7243647	1482432	---	---	---	1,29	up
6049080	7286807	1588823	---	---	---	1,22	down
6049146	7353287	1753029	---	---	---	1,03	down
6049199	7074911	1068174	---	---	---	1,08	down
6049219	7339732	1719202	---	---	---	1,34	down
6049278	7030037	960709	---	---	---	1,22	up
6049297	7267802	1541874	---	---	---	1,13	down
6049434	7374313	1807378	---	---	---	1,14	down
6049490	7186305	1341015	---	---	---	1,26	up
6049521	7110999	1154759	---	---	---	1,57	down
6049536	7086966	1095266	---	---	---	1,02	down
6049712	7100210	1128144	---	---	---	1,17	down
6049785	7243901	1483053	---	---	---	1,00	up
6049814	7319259	1670398	---	---	---	1,33	down
6049895	7147809	1245458	---	---	---	1,08	up
6049958	7303777	1631907	---	---	---	1,01	up
6049992	7148978	1248501	---	---	---	1,04	down
6050009	7275879	1562187	---	---	---	1,71	down
6050081	7282831	1579768	---	---	---	1,25	down
6050169	7328985	1693163	---	---	---	1,03	down
6050246	7080563	1080725	---	---	---	1,13	up
6050391	7053874	1018317	---	---	---	1,04	down
6050441	7059971	1031465	---	---	---	1,08	down
6050480	7295652	1610283	---	---	---	1,12	down
6050554	7052385	1014780	---	---	---	1,12	down
6050598	7373678	1805852	---	---	---	2,14	up
6050635	7277783	1567463	---	---	---	1,32	up
6050643	7167872	1294022	---	---	---	1,40	down
6050710	7079238	1077810	---	---	---	1,06	up
6050721	7252877	1504766	---	---	---	1,27	up
6050778	7318714	1669242	---	---	---	1,18	down
6050838	7058713	1028662	---	---	---	1,15	down

6050844	7198087	1370680	---	---	---	2,24	up
6050875	7039725	984832	---	---	---	1,37	down
6050896	7197400	1368813	---	---	---	1,24	up
6051065	7165954	1288766	---	---	---	1,15	down
6051106	7039725	984830	---	---	---	1,69	down
6051155	7092549	1109158	---	---	---	1,32	down
6051271	7257893	1517478	---	---	---	1,16	up
6051280	7217434	1416365	---	---	---	1,31	down
6051297	7144782	1237777	---	---	---	1,26	down
6051357	7340304	1720851	---	---	---	1,01	down
6051360	7376206	1811977	---	---	---	1,01	up
6051373	7341274	1723385	---	---	---	2,15	down
6051442	7361075	1772334	---	---	---	1,07	down
6051454	7273744	1557044	---	---	---	1,03	down
6051475	7027386	955062	---	---	---	1,20	up
6051510	7341243	1723206	---	---	---	1,23	up
6051650	7341546	1723939	---	---	---	1,88	up
6051747	7149817	1250309	---	---	---	2,10	down
6051807	7055793	1022319	---	---	---	1,01	down
6051906	7198730	1372677	---	---	---	1,46	down
6051976	7176456	1315807	---	---	---	1,14	down
6051990	7156611	1267352	---	---	---	1,09	down
6051996	7380497	1821849	---	---	---	1,05	up
6052006	7207971	1394311	---	---	---	1,04	up
6052011	7052176	1014221	---	---	---	1,35	up
6052013	7344702	1732146	---	---	---	1,43	up
6052164	7256789	1514655	---	---	---	1,03	down
6052209	7344530	1731566	---	---	---	1,32	down
6052213	7380878	1822581	---	---	---	1,01	down
6052248	7073609	1064856	---	---	---	1,85	down
6052316	7153136	1258057	---	---	---	1,44	down
6052326	7198069	1370607	---	---	---	1,42	down
6052535	7088544	1099696	---	---	---	1,11	up
6052557	7253408	1505941	---	---	---	1,18	up
6052576	7160687	1277024	---	---	---	1,50	up
6052653	7049010	1007570	---	---	---	1,01	down
6052804	7346066	1735283	---	---	---	1,15	down
6052831	7064134	1041441	---	---	---	1,54	down
6052855	7337425	1713134	---	---	---	1,03	down
6052949	7337224	1712622	---	---	---	1,28	up
6053178	7032558	967067	---	---	---	1,05	down
6053300	7056333	1023679	---	---	---	1,01	down
6053352	7097454	1120882	---	---	---	1,08	up
6053408	7186305	1341002	---	---	---	1,76	down
6053420	7340990	1722506	---	---	---	1,04	up
6053538	7097454	1120883	---	---	---	1,16	down
6053617	7091439	1106624	---	---	---	1,52	up
6053629	7373634	1805724	---	---	---	1,08	down
6053698	7337845	1714351	---	---	---	1,48	down
6053767	7369939	1795597	---	---	---	1,58	up
6053805	7367980	1789175	---	---	---	1,59	up
6053862	7180243	1325507	---	---	---	1,16	down
6053987	7340757	1721885	---	---	---	1,63	up
6053998	7059702	1030770	---	---	---	1,19	up
6054079	7351568	1748855	---	---	---	1,26	down
6054082	7295652	1610268	---	---	---	1,04	down
6054209	7358048	1764822	---	---	---	1,72	up

6054290	7380497	1821852	---	---	---	1,27	down
6054409	7297589	1615620	---	---	---	1,52	up
6054420	7065640	1045208	---	---	---	1,35	down
6054421	7079238	1077815	---	---	---	1,05	down
6054561	7090581	1104805	---	---	---	1,35	down
6054578	7217434	1416420	---	---	---	1,07	down
6054718	7371228	1799469	---	---	---	1,10	down
6054762	7056106	1022973	---	---	---	2,07	up
6054810	7326245	1686399	---	---	---	1,03	down
6054813	7380497	1821827	---	---	---	1,33	up
6054828	7282927	1579992	---	---	---	1,04	down
6054898	7068259	1051655	---	---	---	1,07	up
6054929	7373678	1805857	---	---	---	1,24	down
6054932	7176456	1315836	---	---	---	1,29	down
6055029	7294738	1607996	---	---	---	1,22	down
6055041	7354896	1757004	---	---	---	1,16	down
6055085	7141456	1229591	---	---	---	2,24	up
6055155	7363529	1777940	---	---	---	1,12	up
6055232	7067212	1049227	---	---	---	1,15	up
6055296	7258323	1518481	---	---	---	6,26	down
6055328	7226277	1437982	---	---	---	1,35	down
6055332	7237346	1466593	---	---	---	1,28	up
6055386	7041609	989550	---	---	---	1,20	up
6055442	7240569	1475524	---	---	---	1,01	down
6055446	7330314	1696136	---	---	---	1,00	down
6055562	7064134	1041434	---	---	---	1,29	down
6055637	7120550	1178705	---	---	---	1,13	down
6055759	7360325	1770510	---	---	---	1,00	up
6055767	7119845	1176904	---	---	---	1,07	up
6055821	7380497	1821836	---	---	---	1,42	down
6055865	7339379	1718315	---	---	---	1,14	up
6055942	7143455	1234711	---	---	---	1,10	up
6056142	7274931	1559713	---	---	---	2,33	up
6056235	7063716	1040151	---	---	---	1,12	down
6056298	7381330	1823647	---	---	---	2,65	down
6056352	7099543	1126630	---	---	---	1,03	up
6056391	7344702	1732137	---	---	---	1,30	up
6056483	7355138	1757791	---	---	---	1,09	up
6056506	7205944	1389493	---	---	---	1,25	up
6056520	7068259	1051634	---	---	---	1,37	down
6056522	7354935	1757088	---	---	---	2,06	up
6056572	7302327	1627693	---	---	---	1,21	up
6056610	7317708	1666831	---	---	---	1,05	down
6056795	7128539	1197692	---	---	---	1,13	down
6056852	7069603	1055048	---	---	---	1,26	down
6056884	7031774	964780	---	---	---	1,09	down
6056890	7282927	1579981	---	---	---	1,27	down
6056947	7056333	1023689	---	---	---	1,04	down
6056994	7240569	1475359	---	---	---	1,02	up
6056998	7374790	1808779	---	---	---	1,16	down
6057012	7088625	1099881	---	---	---	1,01	down
6057023	7378997	1818620	---	---	---	1,22	down
6057037	7198644	1372269	---	---	---	1,12	down
6057256	7030519	961689	---	---	---	1,00	down
6057315	7156611	1267331	---	---	---	1,10	down
6057365	7280743	1574563	---	---	---	1,23	up
6057421	7131372	1205055	---	---	---	1,13	up

6057470	7371677	1800756	---	---	---	1,15	up
6057540	7053620	1017794	---	---	---	1,44	down
6057552	7374324	1807490	---	---	---	1,13	down
6057577	7072765	1062743	---	---	---	1,27	up
6057584	7368005	1789344	---	---	---	1,84	down
6057591	7263348	1530809	---	---	---	1,29	down
6057673	7133749	1210800	---	---	---	1,46	down
6057793	7377116	1814067	---	---	---	1,04	up
6057804	7264274	1533172	---	---	---	1,67	up
6057872	7210263	1399744	---	---	---	1,21	up
6058083	7095066	1115285	---	---	---	1,24	up
6058142	7380878	1822547	---	---	---	1,31	up
6058169	7156052	1265765	---	---	---	1,81	up
6058179	7237940	1468197	---	---	---	1,20	up
6058217	7312686	1653623	---	---	---	1,01	up
6058226	7086522	1093936	---	---	---	1,97	down
6058309	7120010	1177380	---	---	---	1,28	down
6058409	7363529	1777926	---	---	---	1,13	down
6058447	7041584	989464	---	---	---	1,14	up
6058545	7190242	1350307	---	---	---	1,14	down
6058597	7163357	1283041	---	---	---	1,19	down
6058629	7350993	1747549	---	---	---	1,02	up
6058722	7341038	1722687	---	---	---	1,22	up
6058796	7260488	1523913	---	---	---	1,07	down
6058854	7061003	1033925	---	---	---	1,00	up
6058882	7318714	1669236	---	---	---	1,35	down
6058903	7337522	1713594	---	---	---	1,66	down
6058960	7307473	1641295	---	---	---	1,14	up
6059017	7059971	1031467	---	---	---	1,01	down
6059052	7340506	1721353	---	---	---	1,53	down
6059071	7217434	1416388	---	---	---	1,02	up
6059147	7235794	1462891	---	---	---	1,02	up
6059167	7340304	1720864	---	---	---	1,89	down
6059200	7074911	1068175	---	---	---	1,47	down
6059322	7336931	1711872	---	---	---	1,39	down
6059346	7070869	1058498	---	---	---	1,18	up
6059376	7110959	1154685	---	---	---	1,80	down
6059410	7195680	1364878	---	---	---	1,08	up
6059485	7370484	1797165	---	---	---	1,17	up
6059607	7039265	983658	---	---	---	1,07	down
6059613	7093806	1112163	---	---	---	3,16	down
6059678	7219624	1422116	---	---	---	1,42	down
6059724	7356115	1760130	---	---	---	1,27	up
6059814	7061703	1035736	---	---	---	1,21	down
6059902	7337425	1713133	---	---	---	1,49	up
6059940	7237814	1467838	---	---	---	1,31	up
6060045	7086966	1095255	---	---	---	1,14	down
6060085	7168979	1297198	---	---	---	1,01	down
6060099	7101258	1130575	---	---	---	1,17	up
6060120	7041609	989578	---	---	---	1,21	up
6060138	7368555	1791229	---	---	---	1,10	up
6060206	7197820	1370103	---	---	---	1,38	down
6060273	7075445	1069356	---	---	---	1,07	up
6060400	7292869	1603423	---	---	---	1,12	down
6060461	7114274	1162813	---	---	---	1,19	up
6060528	7155286	1263841	---	---	---	1,01	up
6060624	7050167	1009820	---	---	---	1,30	up

6060675	7067828	1050791	---	---	---	1,01	down
6060685	7069830	1055610	---	---	---	1,13	up
6060823	7068259	1051648	---	---	---	1,48	down
6060927	7052331	1014601	---	---	---	1,13	up
6060963	7108434	1148310	---	---	---	1,00	down
6060979	7125494	1190397	---	---	---	1,04	down
6061008	7291909	1601134	---	---	---	1,35	up
6061060	7233513	1457173	---	---	---	1,21	down
6061103	7317204	1665393	---	---	---	1,11	down
6061216	7233106	1455668	---	---	---	1,56	up
6061269	7040674	987040	---	---	---	1,06	down
6061276	7295652	1610316	---	---	---	1,04	up
6061305	7204917	1387126	---	---	---	1,18	up
6061308	7267802	1541770	---	---	---	1,05	down
6061316	7069462	1054603	---	---	---	1,29	up
6061352	7071264	1059360	---	---	---	1,20	down
6061451	7350237	1745491	---	---	---	1,30	down
6061475	7339732	1719221	---	---	---	1,20	up
6061483	7281877	1577529	---	---	---	2,62	down
6061542	7336854	1711677	---	---	---	1,15	down
6061570	7236358	1464258	---	---	---	1,03	up
6061594	7065570	1045086	---	---	---	1,66	down
6061607	7286613	1588467	---	---	---	2,12	down
6061641	7116103	1167609	---	---	---	1,03	down
6061668	7069721	1055314	---	---	---	1,29	down
6061735	7071264	1059341	---	---	---	1,14	down
6061780	7071264	1059356	---	---	---	1,17	down
6061789	7274780	1559249	---	---	---	1,01	down
6061798	7235069	1460970	---	---	---	1,03	down
6061933	7341002	1722553	---	---	---	1,54	up
6061934	7088489	1099516	---	---	---	1,16	down
6061962	7383102	1827400	---	---	---	1,15	down
6062026	7288077	1591950	---	---	---	1,38	up
6062043	7337425	1713217	---	---	---	1,17	down
6062169	7227474	1441130	---	---	---	1,20	up
6062202	7156114	1266042	---	---	---	2,20	down
6062206	7059020	1029333	---	---	---	1,53	down
6062236	7247512	1491222	---	---	---	1,74	up
6062334	7369938	1795564	---	---	---	2,12	down
6062389	7067828	1050780	---	---	---	1,00	down
6062435	7069721	1055310	---	---	---	1,05	up
6062519	7053874	1018319	---	---	---	1,39	up
6062610	7099294	1126105	---	---	---	1,20	up
6062627	7120827	1179353	---	---	---	1,18	up
6062715	7156114	1266052	---	---	---	1,16	down
6062795	7341274	1723386	---	---	---	1,25	up
6062818	7186240	1340820	---	---	---	1,12	up
6062899	7068259	1051593	---	---	---	1,21	up
6062913	7169573	1298391	---	---	---	1,11	up
6063079	7034747	973192	---	---	---	1,78	down
6063100	7279073	1570730	---	---	---	1,36	down
6063109	7156611	1267352	---	---	---	1,56	up
6063173	7209927	1398921	---	---	---	1,26	down
6063483	7190844	1352138	---	---	---	1,19	down
6063694	7292701	1602961	---	---	---	1,12	up
6063719	7100523	1128868	---	---	---	1,24	down
6063743	7129578	1200058	---	---	---	1,03	down

6063799	7149498	1249782	---	---	---	2,44	up
6063801	7341038	1722654	---	---	---	1,67	down
6063860	7355044	1757443	---	---	---	1,32	down
6063873	7142321	1231530	---	---	---	1,07	up
6063919	7217650	1417197	---	---	---	1,14	down
6064003	7075460	1069396	---	---	---	1,41	up
6064121	7069603	1055045	---	---	---	1,11	down
6064134	7247672	1491757	---	---	---	1,04	down
6064226	7069253	1054175	---	---	---	1,35	up
6064253	7267802	1541848	---	---	---	1,09	up
6064257	7217434	1416376	---	---	---	1,13	up
6064264	7061948	1036381	---	---	---	1,66	down
6064360	7243647	1482443	---	---	---	1,23	down
6064452	7364346	1779988	---	---	---	1,43	down
6064494	7275927	1562338	---	---	---	1,46	up
6064522	7156170	1266282	---	---	---	1,00	up
6064555	7162144	1280494	---	---	---	1,60	down
6064672	7193056	1358260	---	---	---	1,31	down
6064679	7281924	1577751	---	---	---	1,22	up
6064689	7383501	1828207	---	---	---	2,31	up
6064814	7084193	1089097	---	---	---	2,39	up
6064826	7168521	1295956	---	---	---	1,12	up
6064842	7243901	1483041	---	---	---	1,09	down
6064857	7131103	1204332	---	---	---	1,00	up
6064937	7168979	1297201	---	---	---	1,28	down
6064940	7120565	1178738	---	---	---	1,58	down
6065057	7383102	1827390	---	---	---	1,14	down
6065092	7237438	1466791	---	---	---	1,15	up
6065215	7318139	1668069	---	---	---	1,07	down
6065366	7063515	1039636	---	---	---	1,47	up
6065399	7210822	1400978	---	---	---	1,16	down
6065402	7113261	1160476	---	---	---	1,19	down
6065497	7167160	1292221	---	---	---	1,81	up
6065562	7172988	1307278	---	---	---	1,09	down
6065584	7358859	1766995	---	---	---	1,07	down
6065595	7266544	1538336	---	---	---	1,03	down
6065697	7162389	1281185	---	---	---	1,37	down
6065859	7029078	958873	---	---	---	2,86	up
6065897	7028624	957991	---	---	---	1,14	down
6065919	7033337	969489	---	---	---	1,16	up
6066030	7340304	1720868	---	---	---	1,61	down
6066059	7058507	1028305	---	---	---	2,10	up
6066085	7341274	1723397	---	---	---	1,00	up
6066160	7175946	1314649	---	---	---	1,25	up
6066180	7289382	1595206	---	---	---	2,33	up
6066251	7083377	1086984	---	---	---	2,72	up
6066273	7221443	1426315	---	---	---	1,46	up
6066355	7152915	1257438	---	---	---	1,02	up
6066378	7121849	1181780	---	---	---	1,59	up
6066468	7374324	1807486	---	---	---	1,15	up
6066478	7265259	1535442	---	---	---	1,24	down
6066483	7319055	1669948	---	---	---	1,69	up
6066485	7240569	1475372	---	---	---	1,14	down
6066550	7062436	1037666	---	---	---	1,17	up
6066557	7318286	1668329	---	---	---	1,33	up
6066683	7278010	1568049	---	---	---	1,51	up
6066691	7286807	1588828	---	---	---	1,02	up

6066715	7212735	1405028	---	---	---	1,51	down
6066821	7059766	1030972	---	---	---	1,10	down
6066955	7199536	1374706	---	---	---	1,82	up
6067058	7315206	1660024	---	---	---	1,68	down
6067067	7196803	1367338	---	---	---	1,47	down
6067114	7307473	1641284	---	---	---	1,20	up
6067179	7377304	1814600	---	---	---	1,16	up
6067183	7368954	1792772	---	---	---	2,42	down
6067333	7146542	1242295	---	---	---	1,03	down
6067380	7281924	1577729	---	---	---	1,24	down
6067395	7243647	1482480	---	---	---	1,22	up
6067407	7233921	1458161	---	---	---	1,39	down
6067410	7128112	1196531	---	---	---	1,08	up
6067489	7363922	1778857	---	---	---	2,79	up
6067511	7364346	1780003	---	---	---	1,67	down
6067588	7297589	1615640	---	---	---	1,37	up
6067642	7337224	1712607	---	---	---	1,79	up
6067727	7123129	1185090	---	---	---	2,63	down
6067802	7321029	1674822	---	---	---	1,33	down
6067847	7297589	1615637	---	---	---	1,15	up
6067906	7286807	1588821	---	---	---	1,16	up
6067945	7353232	1752849	---	---	---	1,13	down
6068024	7355865	1759581	---	---	---	1,12	up
6068144	7288077	1591999	---	---	---	1,18	up
6068174	7059971	1031470	---	---	---	1,09	down
6068181	7120671	1179001	---	---	---	1,13	down
6068183	7142081	1230974	---	---	---	1,08	down
6068412	7115146	1164938	---	---	---	1,16	up
6068538	7038179	981252	---	---	---	1,32	up
6068679	7288077	1592005	---	---	---	1,04	down
6068725	7318286	1668337	---	---	---	1,28	down
6068750	7033337	969490	---	---	---	1,09	down
6068898	7106414	1143193	---	---	---	2,27	up
6068976	7298692	1618405	---	---	---	1,33	down
6069023	7227474	1441133	---	---	---	1,18	up
6069054	7140365	1226803	---	---	---	1,00	down
6069079	7032618	967304	---	---	---	1,10	down
6069148	7068259	1051596	---	---	---	1,05	up
6069188	7295410	1609750	---	---	---	1,10	up
6069305	7217143	1415617	---	---	---	1,26	up
6069355	7350489	1746131	---	---	---	1,11	up
6069512	7070668	1057922	---	---	---	1,04	up
6069684	7208784	1396139	---	---	---	1,20	up
6069700	7195680	1364892	---	---	---	1,09	down
6069744	7376566	1812879	---	---	---	1,19	down
6069776	7205750	1389047	---	---	---	1,31	down
6069839	7168439	1295681	---	---	---	1,71	up
6069997	7121849	1181806	---	---	---	1,16	down
6070034	7117951	1172095	---	---	---	1,01	down
6070054	7062233	1037191	---	---	---	1,64	down
6070063	7086966	1095290	---	---	---	1,07	down
6070084	7377304	1814589	---	---	---	1,05	up
6070139	7087965	1098055	---	---	---	1,17	down
6070262	7088489	1099522	---	---	---	1,46	down
6070313	7380452	1821676	---	---	---	1,46	up
6070325	7366749	1785507	---	---	---	1,11	down
6070472	7072765	1062743	---	---	---	1,10	up

6070582	7164949	1286389	---	---	---	2,55	down
6070637	7166867	1291330	---	---	---	1,13	down
6070714	7236131	1463783	---	---	---	1,05	down
6070805	7237814	1467826	---	---	---	1,67	down
6070833	7042529	991586	---	---	---	1,06	down
6070882	7380497	1821823	---	---	---	2,02	up
6071149	7368489	1791026	---	---	---	1,00	up
6071156	7096924	1119613	---	---	---	1,60	down
6071277	7212587	1404649	---	---	---	1,08	up
6071316	7073677	1065165	---	---	---	1,72	down
6071333	7328695	1692314	---	---	---	1,44	down
6071434	7078666	1076507	---	---	---	1,12	down
6071493	7212141	1403604	---	---	---	1,30	up
6071581	7289382	1595202	---	---	---	1,08	up
6071667	7355138	1757792	---	---	---	1,06	down
6071943	7062436	1037722	---	---	---	1,13	down
6071972	7317708	1666832	---	---	---	2,24	down
6072116	7049308	1008111	---	---	---	1,16	down
6072229	7089952	1103316	---	---	---	1,24	up
6072424	7217650	1417171	---	---	---	1,03	up
6072447	7060896	1033554	---	---	---	1,08	down
6072490	7302018	1626958	---	---	---	1,09	up
6072497	7301843	1626489	---	---	---	1,08	up
6072500	7160687	1277024	---	---	---	1,21	up
6072510	7247954	1492388	---	---	---	1,53	up
6072525	7277783	1567475	---	---	---	1,35	down
6072546	7320735	1674155	---	---	---	1,58	down
6072618	7149008	1248602	---	---	---	1,06	down
6072629	7193403	1359198	---	---	---	1,18	down
6072649	7363768	1778604	---	---	---	1,20	up
6072685	7365183	1781917	---	---	---	1,41	up
6072695	7062233	1037243	---	---	---	1,35	up
6072774	7329135	1693488	---	---	---	1,38	down
6072839	7323869	1680880	---	---	---	1,17	down
6073228	7064468	1042363	---	---	---	1,45	down
6073260	7052957	1016262	---	---	---	1,22	down
6073274	7363529	1777947	---	---	---	1,01	down
6073290	7380497	1821851	---	---	---	1,02	up
6073315	7201422	1379188	---	---	---	1,16	up
6073331	7076236	1071186	---	---	---	1,12	down
6073343	7370910	1798539	---	---	---	2,01	up
6073430	7072225	1061401	---	---	---	1,06	down
6073518	7267204	1539863	---	---	---	1,27	up
6073626	7359426	1768357	---	---	---	1,17	up
6073679	7242451	1479349	---	---	---	1,87	down
6073719	7030037	960708	---	---	---	1,54	down
6073803	7261580	1526769	---	---	---	1,04	down
6073888	7344406	1731224	---	---	---	1,31	up
6073902	7318139	1668074	---	---	---	2,13	down
6073999	7168521	1295931	---	---	---	1,29	down
6074000	7034747	973190	---	---	---	1,23	down
6074037	7339379	1718349	---	---	---	1,39	down
6074057	7099573	1126731	---	---	---	1,64	down
6074139	7098411	1123735	---	---	---	1,06	up
6074227	7297274	1614658	---	---	---	1,31	up
6074232	7072429	1061869	---	---	---	1,47	up
6074287	7146982	1243285	---	---	---	1,23	up

6074601	7062436	1037666	---	---	---	2,31	down
6074610	7162102	1280367	---	---	---	1,26	up
6074687	7146982	1243288	---	---	---	1,33	down
6074738	7366749	1785509	---	---	---	1,11	down
6074799	7280743	1574530	---	---	---	1,02	down
6074858	7088625	1099865	---	---	---	1,05	down
6074994	7153136	1258009	---	---	---	1,15	up
6075101	7346687	1736688	---	---	---	1,00	down
6075149	7034293	971956	---	---	---	1,02	up
6075211	7186464	1341386	---	---	---	1,27	up
6075321	7050716	1011222	---	---	---	1,10	down
6075402	7303612	1631285	---	---	---	1,18	down
6075412	7245874	1487596	---	---	---	1,30	up
6075753	7320735	1674164	---	---	---	1,26	up
6075934	7374493	1807967	---	---	---	1,01	down
6075984	7383586	1828430	---	---	---	1,27	down
6076178	7339834	1719559	---	---	---	1,19	up
6076208	7073679	1065189	---	---	---	1,63	up
6076318	7100523	1128885	---	---	---	1,24	down
6076359	7380497	1821843	---	---	---	1,03	up
6076385	7213908	1407650	---	---	---	1,04	down
6076410	7196233	1366098	---	---	---	2,29	up
6076411	7078815	1076983	---	---	---	1,10	down
6076458	7176368	1315590	---	---	---	1,48	down
6076601	7264797	1534430	---	---	---	1,08	down
6076662	7033006	968488	---	---	---	2,28	up
6076734	7364346	1780017	---	---	---	1,04	up
6076773	7280743	1574492	---	---	---	1,03	up
6076959	7282343	1578666	---	---	---	1,49	down
6076998	7172373	1305578	---	---	---	1,07	down
6077096	7327169	1688439	---	---	---	1,74	up
6077226	7337425	1713175	---	---	---	1,00	down
6077272	7217434	1416377	---	---	---	1,07	up
6077274	7062233	1037253	---	---	---	1,05	down
6077295	7060195	1031973	---	---	---	1,74	up
6077341	7190524	1351177	---	---	---	1,04	down
6077357	7194400	1361734	---	---	---	1,13	up
6077362	7243901	1483062	---	---	---	1,12	up
6077403	7087282	1096214	---	---	---	1,06	down
6077435	7166867	1291293	---	---	---	1,12	up
6077565	7034747	973186	---	---	---	1,02	down
6077851	7174281	1310847	---	---	---	1,10	down
6077872	7267204	1539856	---	---	---	1,27	up
6077939	7275023	1560002	---	---	---	1,07	up
6078016	7247848	1492071	---	---	---	1,19	down
6078072	7176368	1315559	---	---	---	1,05	up
6078117	7374790	1808785	---	---	---	1,48	up
6078151	7162144	1280500	---	---	---	1,06	up
6078211	7279073	1570678	---	---	---	1,54	down
6078266	7354935	1757104	---	---	---	1,50	up
6078272	7116023	1167283	---	---	---	1,02	up
6078290	7340990	1722505	---	---	---	1,12	down
6078339	7088538	1099636	---	---	---	1,09	up
6078372	7227433	1440960	---	---	---	1,50	up
6078564	7329846	1694990	---	---	---	1,80	up
6078638	7041584	989462	---	---	---	3,01	up
6078668	7162177	1280582	---	---	---	1,52	down

6078729	7088625	1099866	---	---	---	1,19	up
6078753	7337224	1712589	---	---	---	1,04	down
6078976	7148978	1248526	---	---	---	1,25	up
6078977	7100210	1128136	---	---	---	1,08	down
6078990	7367851	1788513	---	---	---	2,04	up
6079080	7370910	1798539	---	---	---	1,06	down
6079106	7155116	1263389	---	---	---	1,60	up
6079117	7217434	1416363	---	---	---	1,02	up
6079207	7115963	1167080	---	---	---	1,11	down
6079231	7205944	1389488	---	---	---	1,06	down
6079241	7240569	1475493	---	---	---	1,02	down
6079318	7217650	1417196	---	---	---	1,21	up
6079486	7038179	981266	---	---	---	1,01	up
6079534	7132125	1206631	---	---	---	2,34	down
6079607	7148741	1247845	---	---	---	1,00	down
6079640	7128921	1198509	---	---	---	1,05	up
6079682	7361881	1773936	---	---	---	1,69	down
6079691	7052957	1016276	---	---	---	1,94	up
6079745	7069830	1055630	---	---	---	1,07	up
6079871	7313841	1656709	---	---	---	1,30	up
6079891	7141456	1229601	---	---	---	1,20	up
6079961	7272431	1553901	---	---	---	1,02	up
6079975	7211363	1402048	---	---	---	1,08	down
6080044	7197056	1367847	---	---	---	1,28	down
6080089	7341264	1723351	---	---	---	1,25	up
6080142	7172373	1305573	---	---	---	1,10	down
6080155	7186464	1341381	---	---	---	1,37	down
6080210	7096924	1119620	---	---	---	2,07	down
6080220	7288077	1591994	---	---	---	1,31	down
6080435	7166867	1291289	---	---	---	1,05	down
6080561	7062436	1037711	---	---	---	1,67	up
6080678	7380497	1821856	---	---	---	1,01	up
6080735	7100210	1128141	---	---	---	1,15	down
6080774	7337425	1713173	---	---	---	1,36	down
6080821	7181001	1327633	---	---	---	1,06	up
6080841	7172691	1306443	---	---	---	2,07	up
6080901	7376566	1812872	---	---	---	1,27	up
6080912	7139026	1223514	---	---	---	1,37	up
6080919	7340757	1721890	---	---	---	1,59	down
6080935	7052176	1014222	---	---	---	1,55	up
6080943	7158517	1271590	---	---	---	1,22	up
6080968	7361881	1773941	---	---	---	1,13	up
6081024	7167325	1292547	---	---	---	1,08	up
6081037	7069603	1055050	---	---	---	1,06	up
6081065	7166439	1290097	---	---	---	1,14	down
6081170	7060085	1031720	---	---	---	1,25	down
6081202	7235794	1462887	---	---	---	1,19	up
6081204	7267802	1541740	---	---	---	1,42	up
6081222	7366749	1785536	---	---	---	1,18	down
6081259	7078666	1076532	---	---	---	1,01	down
6081264	7279568	1572022	---	---	---	1,16	down
6081388	7355041	1757404	---	---	---	1,27	down
6081421	7073609	1064855	---	---	---	2,03	down
6081596	7337224	1712606	---	---	---	1,49	down
6081688	7102369	1133424	---	---	---	1,16	down
6081701	7087965	1098059	---	---	---	1,18	down
6081814	7341115	1722917	---	---	---	1,13	up

6081815	7240569	1475504	---	---	---	1,35	up
6081850	7250511	1498644	---	---	---	1,09	up
6081975	7190524	1351186	---	---	---	1,01	down
6082026	7148741	1247828	---	---	---	1,09	down
6082033	7380452	1821702	---	---	---	1,35	down
6082106	7273251	1555957	---	---	---	1,43	down
6082261	7030519	961702	---	---	---	1,40	down
6082275	7317708	1666828	---	---	---	1,10	down
6082357	7353232	1752825	---	---	---	1,22	down
6082364	7231653	1451878	---	---	---	1,20	down
6082481	7139026	1223503	---	---	---	1,14	up
6082613	7100523	1128881	---	---	---	1,06	down
6082635	7368567	1791332	---	---	---	1,37	up
6082740	7217434	1416364	---	---	---	1,15	down
6082763	7222236	1428129	---	---	---	1,22	down
6082803	7176456	1315835	---	---	---	1,19	down
6082890	7166867	1291296	---	---	---	1,54	down
6082898	7237814	1467823	---	---	---	1,04	up
6082959	7098411	1123692	---	---	---	1,02	down
6083050	7148741	1247825	---	---	---	1,12	up
6083083	7298101	1617068	---	---	---	1,05	down
6083126	7034293	971933	---	---	---	1,30	down
6083282	7363529	1777902	---	---	---	1,41	up
6083375	7148978	1248554	---	---	---	1,25	down
6083480	7081487	1082718	---	---	---	1,02	down
6083510	7294911	1608527	---	---	---	1,10	up
6083547	7121849	1181769	---	---	---	1,01	up
6083628	7355804	1759430	---	---	---	1,49	down
6083638	7166855	1291248	---	---	---	1,58	up
6083672	7072765	1062743	---	---	---	2,54	down
6083708	7208784	1396153	---	---	---	1,40	down
6083831	7333333	1703403	---	---	---	1,13	up
6083839	7279103	1570839	---	---	---	1,46	down
6084106	7355138	1757727	---	---	---	1,10	up
6084156	7264274	1533168	---	---	---	2,42	up
6084165	7042382	991287	---	---	---	1,23	down
6084179	7146807	1242808	---	---	---	1,37	up
6084191	7350922	1747316	---	---	---	1,11	up
6084368	7168521	1295975	---	---	---	1,01	down
6084384	7274780	1559232	---	---	---	1,16	down
6084387	7298692	1618413	---	---	---	1,59	down
6084507	7121849	1181802	---	---	---	1,15	up
6084517	7177834	1319618	---	---	---	1,47	down
6084521	7366749	1785487	---	---	---	1,97	down
6084586	7343250	1728050	---	---	---	1,21	down
6084634	7155866	1265335	---	---	---	1,05	down
6084644	7235840	1463002	---	---	---	1,05	down
6084731	7212718	1404942	---	---	---	1,46	up
6084766	7349313	1743119	---	---	---	1,34	up
6084799	7269911	1546911	---	---	---	1,01	down
6084804	7383655	1828573	---	---	---	1,12	up
6084817	7259221	1520635	---	---	---	1,16	up
6084838	7150047	1250776	---	---	---	1,00	down
6084923	7147720	1245236	---	---	---	1,25	down
6084924	7358048	1764804	---	---	---	1,61	down
6084960	7237346	1466592	---	---	---	1,06	down
6085052	7326245	1686401	---	---	---	1,13	down

6085094	7148978	1248466	---	---	---	1,31	down
6085102	7256191	1512862	---	---	---	1,37	up
6085128	7210263	1399764	---	---	---	1,35	up
6085169	7162959	1282084	---	---	---	1,04	up
6085291	7355865	1759581	---	---	---	1,19	down
6085353	7068413	1051964	---	---	---	1,55	up
6085380	7345456	1733792	---	---	---	1,19	down
6085458	7217747	1417489	---	---	---	1,07	down
6085467	7172373	1305583	---	---	---	1,06	down
6085481	7122140	1182736	---	---	---	1,01	up
6085565	7092549	1109120	---	---	---	1,27	down
6085590	7380878	1822548	---	---	---	1,45	down
6085621	7341546	1723975	---	---	---	1,07	up
6085715	7263805	1532190	---	---	---	1,09	up
6085872	7073950	1065906	---	---	---	1,17	up
6085890	7073854	1065635	---	---	---	1,39	up
6085979	7288077	1591995	---	---	---	1,36	down
6085985	7318651	1669075	---	---	---	1,09	up
6085992	7259925	1522556	---	---	---	1,23	down
6086146	7240569	1475498	---	---	---	1,01	down
6086149	7253408	1505951	---	---	---	2,20	down
6086447	7099573	1126718	---	---	---	1,05	down
6086477	7247334	1490820	---	---	---	1,19	down
6086553	7321414	1675632	---	---	---	1,00	down
6086639	7234401	1459344	---	---	---	1,04	up
6086649	7191983	1355172	---	---	---	1,34	up
6086670	7198210	1370987	---	---	---	1,69	up
6086680	7108122	1147385	---	---	---	1,64	up
6086698	7052176	1014213	---	---	---	1,36	down
6086757	7353232	1752772	---	---	---	1,19	up
6086765	7170764	1301490	---	---	---	1,50	down
6086843	7225543	1435919	---	---	---	1,02	down
6086866	7142917	1233176	---	---	---	1,01	up
6086955	7149817	1250307	---	---	---	1,06	down
6087075	7070836	1058351	---	---	---	1,19	up
6087130	7330238	1695923	---	---	---	1,44	up
6087165	7235069	1460993	---	---	---	1,12	up
6087179	7222236	1428113	---	---	---	1,04	down
6087194	7203018	1382662	---	---	---	1,45	up
6087375	7312686	1653621	---	---	---	1,05	down
6087488	7317708	1666831	---	---	---	1,17	down
6087554	7292517	1602551	---	---	---	1,30	up
6087570	7027797	956311	---	---	---	1,08	down
6087670	7179785	1324461	---	---	---	1,08	down
6087674	7267204	1539856	---	---	---	1,01	up
6087689	7256070	1512595	---	---	---	1,21	down
6087703	7060896	1033540	---	---	---	2,07	up
6087711	7194400	1361773	---	---	---	1,05	down
6087734	7101258	1130578	---	---	---	1,11	up
6087736	7375937	1811362	---	---	---	1,19	down
6087750	7352635	1751446	---	---	---	1,27	up
6087797	7211389	1402114	---	---	---	1,11	down
6087819	7243363	1481625	---	---	---	1,62	down
6087834	7376206	1811974	---	---	---	1,08	up
6087904	7209927	1398930	---	---	---	1,01	up
6087961	7377791	1815985	---	---	---	1,22	up
6088003	7280743	1574552	---	---	---	1,52	up

6088190	7253408	1505944	---	---	---	1,04	up
6088205	7092549	1109174	---	---	---	1,29	down
6088261	7238115	1468645	---	---	---	1,33	down
6088319	7194400	1361772	---	---	---	1,29	down
6088424	7107926	1146833	---	---	---	1,25	up
6088433	7063716	1040125	---	---	---	1,12	down
6088548	7374313	1807368	---	---	---	1,29	up
6088569	7043379	993647	---	---	---	1,63	down
6088653	7287337	1589978	---	---	---	2,31	down
6088787	7069462	1054574	---	---	---	1,48	down
6088870	7341243	1723205	---	---	---	1,36	up
6088957	7208784	1396094	---	---	---	1,25	down
6088973	7356326	1760472	---	---	---	1,37	up
6089007	7141061	1228709	---	---	---	1,18	up
6089025	7381330	1823640	---	---	---	1,28	up
6089197	7196029	1365627	---	---	---	1,54	up
6089275	7355138	1757762	---	---	---	1,54	up
6089337	7238252	1469292	---	---	---	1,00	up
6089368	7308679	1644251	---	---	---	1,70	down
6089458	7081487	1082701	---	---	---	1,04	down
6089525	7371677	1800754	---	---	---	1,04	down
6089589	7128112	1196568	---	---	---	1,16	down
6089644	7078982	1077347	---	---	---	1,13	up
6089669	7079238	1077808	---	---	---	1,35	up
6089680	7184151	1335955	---	---	---	1,43	down
6089682	7277719	1567088	---	---	---	1,08	down
6089820	7350489	1746124	---	---	---	1,06	up
6089901	7310851	1649639	---	---	---	1,01	up
6090026	7052385	1014771	---	---	---	1,26	down
6090046	7073677	1065162	---	---	---	1,06	down
6090169	7274892	1559561	---	---	---	1,53	down
6090189	7279533	1571906	---	---	---	1,06	up
6090222	7267953	1542256	---	---	---	1,54	up
6090257	7350993	1747504	---	---	---	1,63	down
6090325	7060896	1033554	---	---	---	1,02	down
6090489	7229061	1445261	---	---	---	1,13	up
6090519	7233513	1457172	---	---	---	1,04	down
6090523	7256191	1512880	---	---	---	1,06	down
6090562	7141151	1228924	---	---	---	1,08	up
6090612	7132024	1206337	---	---	---	1,44	up
6090711	7078143	1075434	---	---	---	1,12	down
6090730	7102369	1133417	---	---	---	1,31	down
6090838	7217434	1416360	---	---	---	1,29	up
6090843	7053874	1018312	---	---	---	1,10	up
6090886	7355044	1757423	---	---	---	1,58	up
6090930	7258455	1518740	---	---	---	1,01	up
6090952	7337224	1712591	---	---	---	2,82	down
6090959	7329135	1693488	---	---	---	1,27	down
6090962	7052176	1014223	---	---	---	1,19	down
6091163	7358623	1766253	---	---	---	1,03	down
6091173	7268694	1544232	---	---	---	1,02	down
6091178	7228520	1443766	---	---	---	1,19	up
6091203	7233012	1455409	---	---	---	1,11	up
6091238	7103017	1135159	---	---	---	1,05	down
6091440	7279303	1571205	---	---	---	1,40	down
6091519	7360486	1770962	---	---	---	1,23	down
6091571	7202145	1380718	---	---	---	1,42	down

6091631	7133484	1209951	---	---	---	1,03	up
6091682	7240569	1475522	---	---	---	1,16	up
6091736	7170764	1301441	---	---	---	1,06	down
6091885	7295652	1610313	---	---	---	1,11	up
6091894	7172373	1305581	---	---	---	1,33	down
6091907	7059766	1030973	---	---	---	1,67	down
6091927	7310810	1649370	---	---	---	1,12	up
6091942	7127257	1194803	---	---	---	1,67	up
6092059	7281577	1576858	---	---	---	1,44	up
6092100	7361881	1773925	---	---	---	1,02	down
6092155	7175946	1314640	---	---	---	1,03	up
6092159	7181193	1328293	---	---	---	1,25	down
6092173	7274780	1559197	---	---	---	2,37	up
6092286	7071659	1060230	---	---	---	1,00	up
6092327	7231834	1452269	---	---	---	1,62	up
6092352	7247954	1492394	---	---	---	1,10	up
6092371	7344380	1731135	---	---	---	1,34	up
6092410	7344630	1731939	---	---	---	1,07	up
6092437	7156052	1265744	---	---	---	1,20	down
6092559	7328985	1693173	---	---	---	1,08	down
6092568	7059020	1029330	---	---	---	2,62	down
6092677	7279881	1572715	---	---	---	1,60	up
6092752	7059766	1030972	---	---	---	2,62	down
6092913	7274780	1559242	---	---	---	1,86	down
6092926	7122140	1182735	---	---	---	1,04	up
6092948	7288170	1592297	---	---	---	1,20	up
6092985	7297756	1616094	---	---	---	1,12	up
6093057	7350993	1747514	---	---	---	1,25	down
6093069	7288077	1591968	---	---	---	1,07	up
6093171	7210263	1399752	---	---	---	1,05	up
6093223	7034743	973180	---	---	---	1,27	down
6093252	7196029	1365627	---	---	---	1,06	up
6093420	7240569	1475464	---	---	---	1,11	down
6093446	7355044	1757423	---	---	---	1,22	up
6093480	7234401	1459343	---	---	---	1,14	up
6093556	7169599	1298449	---	---	---	1,35	up
6093648	7058149	1027261	---	---	---	1,19	up
6093658	7158920	1272510	---	---	---	1,14	up
6093683	7240224	1474388	---	---	---	1,09	up
6093722	7041584	989457	---	---	---	1,25	up
6093879	7251318	1500760	---	---	---	1,33	up
6093933	7029770	960146	---	---	---	1,43	up
6093934	7196029	1365631	---	---	---	1,12	up
6094017	7086966	1095254	---	---	---	1,15	up
6094070	7340990	1722515	---	---	---	1,17	up
6094144	7380878	1822549	---	---	---	2,10	up
6094303	7318714	1669231	---	---	---	1,69	down
6094326	7073569	1064738	---	---	---	1,41	down
6094431	7279793	1572538	---	---	---	1,50	up
6094511	7031618	964199	---	---	---	1,06	down
6094599	7243901	1483055	---	---	---	1,30	down
6094709	7058713	1028658	---	---	---	1,18	up
6094748	7204831	1386772	---	---	---	1,36	down
6094792	7073928	1065789	---	---	---	1,40	up
6094803	7049689	1008892	---	---	---	1,44	down
6094928	7292657	1602844	---	---	---	1,16	up
6094965	7257893	1517458	---	---	---	1,01	down

6095012	7316054	1662298	---	---	---	2,21	up
6095056	7229061	1445310	---	---	---	1,00	up
6095101	7370415	1796853	---	---	---	1,06	up
6095117	7256191	1512862	---	---	---	1,37	up
6095255	7181001	1327630	---	---	---	1,94	down
6095390	7373038	1804277	---	---	---	1,84	up
6095401	7031618	964200	---	---	---	1,84	down
6095428	7127540	1195286	---	---	---	1,02	down
6095450	7240569	1475325	---	---	---	1,24	up
6095634	7028624	958003	---	---	---	2,10	down
6095642	7211363	1402057	---	---	---	1,40	up
6095695	7099573	1126715	---	---	---	1,05	up
6095709	7176275	1315335	---	---	---	1,22	up
6095775	7281577	1576872	---	---	---	1,16	down
6095832	7050878	1011550	---	---	---	1,74	up
6095839	7213908	1407660	---	---	---	1,03	down
6095895	7087282	1096162	---	---	---	1,09	down
6095967	7253088	1505113	---	---	---	1,43	up
6096009	7159036	1272962	---	---	---	1,35	up
6096023	7121849	1181780	---	---	---	1,10	up
6096231	7231484	1451356	---	---	---	1,63	down
6096265	7330582	1696872	---	---	---	2,14	down
6096332	7052385	1014791	---	---	---	1,28	up
6096546	7176456	1315848	---	---	---	1,07	down
6096571	7067518	1049955	---	---	---	1,33	down
6096579	7040674	987028	---	---	---	2,18	up
6096595	7052957	1016260	---	---	---	1,22	down
6096741	7039223	983564	---	---	---	1,15	up
6096785	7149817	1250309	---	---	---	1,49	down
6096816	7070836	1058344	---	---	---	1,23	up
6096829	7238153	1468828	---	---	---	1,53	down
6096969	7340990	1722518	---	---	---	1,04	down
6097009	7131766	1205865	---	---	---	1,09	down
6097022	7079238	1077812	---	---	---	1,04	up
6097041	7191888	1354950	---	---	---	1,26	down
6097093	7211363	1402057	---	---	---	1,74	down
6097196	7038530	981882	---	---	---	1,45	down
6097210	7042382	991291	---	---	---	1,10	up
6097225	7056333	1023704	---	---	---	1,37	down
6097228	7081748	1083342	---	---	---	1,12	down
6097245	7148978	1248542	---	---	---	1,01	down
6097246	7069721	1055300	---	---	---	1,03	up
6097277	7227433	1440988	---	---	---	1,45	up
6097280	7336931	1711874	---	---	---	1,08	up
6097284	7228530	1443825	---	---	---	1,05	up
6097523	7053874	1018320	---	---	---	1,82	down
6097641	7307733	1642049	---	---	---	1,16	down
6097651	7252283	1503115	---	---	---	1,16	down
6097667	7321029	1674821	---	---	---	1,63	down
6097716	7154655	1262332	---	---	---	1,31	up
6097873	7115507	1165981	---	---	---	1,09	down
6098117	7132024	1206337	---	---	---	1,41	down
6098209	7374324	1807490	---	---	---	1,19	down
6098221	7095021	1115131	---	---	---	1,46	up
6098250	7128112	1196525	---	---	---	1,05	down
6098334	7052813	1015929	---	---	---	1,07	up
6098343	7297274	1614591	---	---	---	1,02	down

6098485	7207093	1392120	---	---	---	1,08	up
6098553	7309734	1646917	---	---	---	1,03	down
6098582	7194540	1362091	---	---	---	1,19	down
6098910	7311178	1650229	---	---	---	2,27	down
6098975	7239752	1473153	---	---	---	1,04	down
6099024	7344380	1731121	---	---	---	1,08	up
6099119	7067670	1050343	---	---	---	1,08	down
6099255	7033337	969516	---	---	---	1,95	down
6099304	7155866	1265334	---	---	---	1,62	up
6099318	7077170	1073575	---	---	---	1,05	up
6099355	7196029	1365613	---	---	---	1,42	down
6099625	7120468	1178502	---	---	---	1,62	down
6099703	7215722	1412264	---	---	---	3,07	down
6099710	7368567	1791330	---	---	---	1,08	up
6099759	7033337	969487	---	---	---	1,33	up
6099785	7028624	957999	---	---	---	1,09	down
6099791	7162959	1282087	---	---	---	1,18	up
6099996	7156052	1265787	---	---	---	1,13	up
6100062	7081487	1082711	---	---	---	1,31	up
6100075	7223395	1431080	---	---	---	2,25	down
6100087	7309734	1646904	---	---	---	1,05	up
6100134	7048014	1005625	---	---	---	1,46	up
6100136	7217650	1417174	---	---	---	1,58	up
6100164	7076236	1071181	---	---	---	1,66	down
6100197	7193056	1358265	---	---	---	1,34	up
6100219	7120039	1177539	---	---	---	1,33	up
6100230	7176275	1315342	---	---	---	1,36	down
6100233	7180687	1326630	---	---	---	2,63	down
6100256	7330314	1696130	---	---	---	1,20	down
6100273	7112566	1158635	---	---	---	1,27	up
6100288	7313538	1655728	---	---	---	1,26	down
6100297	7130917	1203916	---	---	---	1,33	up
6100359	7350993	1747527	---	---	---	1,12	up
6100366	7134776	1212977	---	---	---	2,24	up
6100391	7180630	1326450	---	---	---	1,14	down
6100399	7248790	1494549	---	---	---	1,46	up
6100437	7344406	1731189	---	---	---	1,01	down
6100465	7055687	1022019	---	---	---	1,54	up
6100514	7089080	1101158	---	---	---	1,23	down
6100552	7059971	1031471	---	---	---	1,12	down
6100562	7315206	1660010	---	---	---	1,33	down
6100602	7318286	1668336	---	---	---	1,04	up
6100603	7383823	1828948	---	---	---	1,32	up
6100614	7213945	1407836	---	---	---	1,31	up
6100786	7321746	1676233	---	---	---	1,48	up
6100937	7312532	1653223	---	---	---	1,10	down
6100971	7196029	1365602	---	---	---	1,21	up
6100997	7247954	1492388	---	---	---	1,56	up
6100998	7071292	1059425	---	---	---	1,06	up
6101023	7282927	1580012	---	---	---	1,12	up
6101078	7376820	1813453	---	---	---	1,16	down
6101186	7039589	984517	---	---	---	1,08	down
6101326	7341439	1723710	---	---	---	1,06	up
6101336	7211389	1402114	---	---	---	1,02	up
6101352	7279793	1572529	---	---	---	1,84	down
6101375	7235069	1460988	---	---	---	1,16	down
6101379	7295652	1610313	---	---	---	1,34	up

6101454	7038153	981157	---	---	---	1,49	down
6101552	7259923	1522527	---	---	---	1,03	down
6101651	7320068	1672609	---	---	---	1,00	down
6101665	7196029	1365642	---	---	---	1,15	down
6101685	7115507	1165975	---	---	---	1,78	down
6101884	7371253	1799581	---	---	---	1,00	up
6101913	7280743	1574526	---	---	---	1,09	up
6101936	7274593	1558812	---	---	---	1,72	down
6101944	7091439	1106625	---	---	---	1,61	up
6102019	7293763	1605709	---	---	---	1,06	up
6102248	7288284	1592644	---	---	---	1,09	up
6102265	7063716	1040216	---	---	---	1,81	up
6102285	7114274	1162820	---	---	---	1,23	up
6102320	7295652	1610278	---	---	---	1,15	up
6102350	7349313	1743130	---	---	---	1,18	down
6102529	7306330	1638519	---	---	---	1,63	down
6102542	7227433	1440956	---	---	---	1,54	down
6102547	7330396	1696358	---	---	---	1,15	down
6102560	7360486	1770935	---	---	---	1,23	down
6102571	7257038	1515284	---	---	---	2,33	down
6102586	7337872	1714463	---	---	---	1,22	down
6102626	7259925	1522548	---	---	---	1,01	up
6102673	7071264	1059362	---	---	---	1,58	down
6102694	7217434	1416453	---	---	---	1,02	up
6102764	7058507	1028321	---	---	---	1,05	down
6102975	7031774	964789	---	---	---	1,08	up
6103061	7071659	1060227	---	---	---	1,06	down
6103115	7314270	1657749	---	---	---	1,15	up
6103151	7243647	1482426	---	---	---	1,00	down
6103203	7063716	1040152	---	---	---	1,08	down
6103230	7073677	1065153	---	---	---	1,85	down
6103245	7213945	1407833	---	---	---	1,61	up
6103252	7258455	1518737	---	---	---	1,01	down
6103265	7101684	1131710	---	---	---	1,03	down
6103291	7095041	1115182	---	---	---	1,08	down
6103339	7374090	1806815	---	---	---	1,16	down
6103381	7244027	1483282	---	---	---	1,20	up
6103383	7115362	1165598	---	---	---	1,07	up
6103472	7089080	1101135	---	---	---	1,09	down
6103475	7069721	1055307	---	---	---	1,03	down
6103498	7278010	1568034	---	---	---	1,46	down
6103532	7337425	1713133	---	---	---	1,44	down
6103760	7052385	1014784	---	---	---	1,09	down
6103822	7244287	1484060	---	---	---	1,44	up
6103889	7041609	989566	---	---	---	1,33	up
6103901	7052813	1015919	---	---	---	1,10	down
6103910	7297274	1614660	---	---	---	1,24	down
6103946	7093255	1110759	---	---	---	1,10	up
6104000	7049184	1007934	---	---	---	1,24	up
6104006	7107503	1145766	---	---	---	1,07	down
6104053	7171091	1302451	---	---	---	1,07	up
6104087	7156052	1265784	---	---	---	1,03	up
6104446	7062233	1037203	---	---	---	1,00	up
6104459	7149934	1250520	---	---	---	1,10	down
6104528	7097240	1120369	---	---	---	1,65	down
6104605	7295410	1609777	---	---	---	1,46	down
6104616	7034293	971982	---	---	---	1,90	up

6104709	7183190	1333645	---	---	---	1,39	up
6104713	7352046	1750028	---	---	---	1,15	up
6104793	7071714	1060359	---	---	---	1,12	up
6104801	7326271	1686518	---	---	---	1,07	up
6104933	7312465	1653052	---	---	---	1,12	up
6105131	7236358	1464218	---	---	---	1,20	down
6105213	7383586	1828443	---	---	---	1,23	up
6105233	7268357	1543393	---	---	---	1,29	up
6105273	7368815	1792312	---	---	---	1,05	down
6105299	7061703	1035736	---	---	---	1,22	down
6105325	7142917	1233182	---	---	---	1,50	up
6105367	7059309	1029924	---	---	---	1,20	down
6105611	7148978	1248474	---	---	---	1,01	down
6105623	7374493	1807962	---	---	---	1,39	up
6105735	7309734	1646882	---	---	---	2,09	up
6105755	7041140	988280	---	---	---	1,11	up
6105787	7148978	1248496	---	---	---	1,03	up
6105811	7318286	1668329	---	---	---	1,16	down
6105814	7258455	1518707	---	---	---	1,00	down
6105883	7336854	1711680	---	---	---	2,64	up
6106003	7095066	1115285	---	---	---	2,00	up
6106143	7180243	1325513	---	---	---	1,11	up
6106150	7136746	1217966	---	---	---	1,14	down
6106169	7217747	1417512	---	---	---	1,25	up
6106241	7236131	1463782	---	---	---	1,04	up
6106299	7374324	1807465	---	---	---	1,00	down
6106388	7354935	1757101	---	---	---	1,34	down
6106413	7148741	1247828	---	---	---	1,31	up
6106437	7233970	1458273	---	---	---	1,02	down
6106504	7376820	1813402	---	---	---	1,14	up
6106812	7079236	1077780	---	---	---	1,08	up
6106990	7142416	1231800	---	---	---	2,40	up
6107060	7320735	1674158	---	---	---	1,02	down
6107269	7361881	1773929	---	---	---	1,41	down
6107277	7259221	1520618	---	---	---	1,36	up
6107387	7062233	1037241	---	---	---	1,01	up
6107574	7131876	1206051	---	---	---	1,48	up
6107675	7212698	1404851	---	---	---	2,01	up
6107726	7083031	1086290	---	---	---	1,46	down
6107729	7173706	1309297	---	---	---	1,68	down
6107788	7101094	1130225	---	---	---	2,04	up
6107812	7329136	1693546	---	---	---	1,70	down
6107889	7226277	1437984	---	---	---	1,02	down
6107935	7062233	1037201	---	---	---	1,11	down
6107942	7067670	1050346	---	---	---	1,19	down
6107945	7115362	1165614	---	---	---	1,54	down
6107994	7318714	1669224	---	---	---	1,54	down
6108243	7207093	1392119	---	---	---	1,25	down
6108263	7267802	1541825	---	---	---	1,18	up
6108326	7361223	1772621	---	---	---	1,37	down
6108440	7186464	1341382	---	---	---	1,04	down
6108459	7133749	1210807	---	---	---	1,35	up
6108495	7190844	1352140	---	---	---	1,06	down
6108524	7376073	1811693	---	---	---	2,07	down
6108548	7100523	1128918	---	---	---	1,13	down
6108689	7279793	1572530	---	---	---	1,12	up
6108845	7131103	1204320	---	---	---	1,10	down

6108975	7339452	1718595	---	---	---	1,03	up
6109019	7294911	1608527	---	---	---	1,17	up
6109132	7068259	1051661	---	---	---	1,11	up
6109200	7355138	1757760	---	---	---	1,05	up
6109280	7052385	1014806	---	---	---	1,06	down
6109325	7281924	1577726	---	---	---	1,37	down
6109375	7067670	1050344	---	---	---	1,01	up
6109422	7355138	1757785	---	---	---	1,35	down
6109458	7244290	1484154	---	---	---	1,06	up
6109722	7110999	1154762	---	---	---	1,00	up
6109837	7286807	1588821	---	---	---	1,39	up
6109885	7177180	1317766	---	---	---	1,65	up
6109935	7245921	1487708	---	---	---	1,09	down
6110011	7339379	1718330	---	---	---	1,08	up
6110013	7248790	1494503	---	---	---	1,00	up
6110030	7272577	1554205	---	---	---	1,39	up
6110041	7331757	1700022	---	---	---	1,27	up
6110117	7112671	1158975	---	---	---	1,06	up
6110121	7095041	1115171	---	---	---	1,13	up
6110227	7244290	1484156	---	---	---	1,33	down
6110232	7033504	969865	---	---	---	1,13	down
6110333	7256070	1512590	---	---	---	1,85	up
6110388	7266544	1538346	---	---	---	1,01	up
6110407	7037495	979323	---	---	---	1,41	down
6110423	7305275	1635847	---	---	---	1,22	down
6110465	7199341	1374165	---	---	---	1,94	up
6110474	7186464	1341363	---	---	---	1,06	down
6110536	7363674	1778416	---	---	---	1,02	down
6110562	7115362	1165612	---	---	---	1,08	up
6110614	7355044	1757434	---	---	---	1,28	down
6110678	7358859	1767004	---	---	---	1,45	up
6110700	7199341	1374128	---	---	---	1,10	down
6110715	7146872	1242912	---	---	---	1,16	up
6110730	7248790	1494496	---	---	---	1,20	down
6110771	7141456	1229590	---	---	---	1,05	up
6110782	7152915	1257483	---	---	---	1,06	down
6110795	7261580	1526803	---	---	---	1,16	up
6110961	7111361	1155599	---	---	---	1,12	down
6110963	7352044	1750009	---	---	---	1,15	up
6110968	7144389	1236778	---	---	---	1,07	down
6110997	7039303	983881	---	---	---	1,19	down
6111001	7265259	1535453	---	---	---	1,08	down
6111073	7180732	1326724	---	---	---	1,18	up
6111338	7279568	1572024	---	---	---	1,14	up
6111363	7180166	1325227	---	---	---	1,05	up
6111375	7378997	1818642	---	---	---	1,09	down
6111427	7281577	1576875	---	---	---	1,06	up
6111460	7033337	969518	---	---	---	1,01	down
6111474	7225543	1435930	---	---	---	1,04	down
6111487	7384509	1830748	---	---	---	1,25	down
6111488	7343250	1728036	---	---	---	1,28	up
6111496	7235794	1462880	---	---	---	1,02	up
6111500	7086522	1093953	---	---	---	1,96	down
6111540	7075445	1069350	---	---	---	2,18	down
6111732	7306330	1638507	---	---	---	1,56	down
6111831	7279568	1572015	---	---	---	1,13	down
6111962	7084500	1089718	---	---	---	1,11	up

6112018	7272431	1553896	---	---	---	1,59	up
6112072	7043515	994008	---	---	---	1,29	down
6112101	7227474	1441146	---	---	---	1,68	down
6112115	7253215	1505383	---	---	---	1,02	up
6112260	7259925	1522559	---	---	---	1,23	down
6112359	7069830	1055589	---	---	---	1,69	down
6112381	7274892	1559551	---	---	---	1,14	down
6112467	7113085	1159995	---	---	---	1,33	down
6112480	7225213	1435121	---	---	---	1,21	up
6112525	7113483	1161002	---	---	---	2,28	up
6112533	7326271	1686462	---	---	---	1,34	down
6112534	7117526	1171032	---	---	---	1,54	up
6112585	7105780	1141702	---	---	---	1,02	down
6112611	7093936	1112472	---	---	---	1,13	up
6112694	7196803	1367342	---	---	---	1,55	up
6112695	7084500	1089696	---	---	---	1,46	down
6112702	7383655	1828574	---	---	---	1,01	up
6112746	7377583	1815461	---	---	---	1,34	up
6112752	7244287	1484045	---	---	---	1,51	down
6112827	7236358	1464221	---	---	---	1,36	down
6112848	7312566	1653294	---	---	---	1,57	down
6112857	7150047	1250776	---	---	---	1,53	down
6112865	7222741	1429361	---	---	---	1,36	up
6112910	7380497	1821838	---	---	---	1,06	down
6112930	7290775	1598593	---	---	---	1,65	up
6112943	7071969	1060891	---	---	---	1,25	up
6112997	7240569	1475449	---	---	---	1,04	up
6113006	7303777	1631923	---	---	---	1,13	down
6113059	7198087	1370701	---	---	---	1,38	up
6113067	7089080	1101160	---	---	---	1,17	up
6113268	7212587	1404640	---	---	---	1,59	down
6113295	7277783	1567470	---	---	---	1,27	down
6113315	7059020	1029338	---	---	---	1,44	up
6113333	7194400	1361770	---	---	---	1,19	up
6113401	7117813	1171706	---	---	---	1,27	up
6113441	7222741	1429360	---	---	---	1,01	down
6113451	7359361	1768262	---	---	---	1,07	down
6113770	7115362	1165605	---	---	---	1,38	up
6113791	7277759	1567293	---	---	---	1,04	down
6113962	7295652	1610290	---	---	---	1,55	up
6114010	7142321	1231547	---	---	---	1,28	down
6114064	7344630	1731946	---	---	---	1,26	up
6114094	7235069	1460972	---	---	---	1,35	down
6114105	7205750	1389050	---	---	---	1,52	down
6114226	7301296	1624999	---	---	---	1,37	up
6114262	7113985	1162231	---	---	---	1,83	up
6114278	7073609	1064853	---	---	---	1,42	down
6114338	7378878	1818329	---	---	---	1,21	down
6114346	7343250	1728052	---	---	---	1,22	up
6114374	7350530	1746236	---	---	---	1,17	up
6114396	7191594	1354171	---	---	---	1,62	up
6114514	7248790	1494537	---	---	---	1,21	down
6114554	7063716	1040134	---	---	---	1,01	down
6114578	7052331	1014567	---	---	---	1,04	down
6114579	7264808	1534468	---	---	---	1,06	up
6114621	7063515	1039643	---	---	---	1,48	down
6114665	7233513	1457170	---	---	---	1,12	down

6114691	7097485	1120940	---	---	---	1,29	down
6114728	7236358	1464245	---	---	---	1,14	down
6114822	7194400	1361764	---	---	---	2,42	down
6114846	7147828	1245565	---	---	---	1,14	down
6114869	7071264	1059284	---	---	---	1,29	up
6115052	7252513	1503829	---	---	---	1,70	up
6115075	7260066	1522886	---	---	---	1,21	down
6115106	7364346	1780000	---	---	---	1,16	down
6115117	7341546	1723971	---	---	---	1,49	up
6115121	7040674	987026	---	---	---	1,15	up
6115315	7264797	1534421	---	---	---	1,06	down
6115375	7269918	1546944	---	---	---	1,19	up
6115382	7243628	1482382	---	---	---	2,41	up
6115387	7363529	1777929	---	---	---	1,27	down
6115389	7073950	1065898	---	---	---	1,42	up
6115454	7067670	1050318	---	---	---	2,81	up
6115484	7313222	1654906	---	---	---	1,17	up
6115527	7084176	1089016	---	---	---	1,16	down
6115535	7356027	1759981	---	---	---	1,52	up
6115553	7132125	1206629	---	---	---	1,46	up
6115615	7042382	991289	---	---	---	1,06	down
6115631	7384509	1830750	---	---	---	1,07	up
6115697	7326245	1686395	---	---	---	1,06	up
6115785	7279568	1572003	---	---	---	1,36	down
6115799	7217679	1417316	---	---	---	1,00	up
6115853	7350489	1746129	---	---	---	1,62	up
6116192	7378997	1818674	---	---	---	1,21	up
6116343	7288284	1592649	---	---	---	1,26	down
6116400	7302327	1627682	---	---	---	1,41	up
6116468	7142081	1230979	---	---	---	1,15	down
6116549	7096924	1119613	---	---	---	1,28	up
6116577	7207069	1392032	---	---	---	1,52	down
6116672	7068504	1052161	---	---	---	3,31	up
6116674	7264797	1534431	---	---	---	1,02	up
6116803	7326271	1686458	---	---	---	1,71	up
6116895	7031473	963871	---	---	---	1,12	up
6116915	7061948	1036378	---	---	---	1,07	down
6116964	7065860	1045795	---	---	---	1,27	down
6117048	7239939	1473788	---	---	---	1,10	up
6117084	7374740	1808618	---	---	---	1,39	down
6117110	7204917	1387129	---	---	---	1,08	up
6117252	7146872	1242901	---	---	---	1,13	up
6117257	7069253	1054156	---	---	---	1,02	up
6117337	7148741	1247841	---	---	---	1,14	down
6117432	7073677	1065162	---	---	---	2,41	down
6117441	7177180	1317787	---	---	---	2,18	down
6117495	7089080	1101156	---	---	---	1,01	up
6117507	7149934	1250521	---	---	---	1,20	up
6117574	7312465	1653051	---	---	---	1,19	down
6117705	7360486	1771001	---	---	---	1,05	up
6117851	7073677	1065170	---	---	---	1,55	up
6117873	7264745	1534278	---	---	---	1,29	down
6117952	7073624	1064915	---	---	---	1,19	up
6117982	7245921	1487710	---	---	---	1,55	down
6118067	7280743	1574554	---	---	---	1,67	up
6118099	7162959	1282085	---	---	---	1,16	up
6118158	7053874	1018338	---	---	---	1,22	down

6118186	7289075	1594452	---	---	---	1,23	down
6118256	7238115	1468659	---	---	---	1,13	down
6118367	7359361	1768260	---	---	---	1,02	up
6118413	7364346	1779995	---	---	---	1,64	up
6118480	7321029	1674814	---	---	---	1,32	down
6118546	7243647	1482446	---	---	---	1,01	up
6118587	7318714	1669233	---	---	---	1,48	down
6118620	7243647	1482472	---	---	---	1,21	up
6118714	7197820	1370096	---	---	---	2,08	down
6118899	7112355	1158076	---	---	---	1,03	down
6118904	7339379	1718361	---	---	---	1,20	down
6118920	7238202	1468945	---	---	---	1,50	up
6118937	7289382	1595211	---	---	---	1,05	down
6118943	7177834	1319630	---	---	---	1,32	up
6118966	7107321	1145323	---	---	---	1,19	down
6119042	7050716	1011222	---	---	---	1,71	up
6119072	7313538	1655719	---	---	---	1,19	down
6119150	7280743	1574515	---	---	---	1,31	down
6119235	7039223	983564	---	---	---	1,22	up
6119251	7079238	1077814	---	---	---	1,09	up
6119290	7261766	1527155	---	---	---	1,17	down
6119318	7371228	1799467	---	---	---	1,13	up
6119382	7230698	1449061	---	---	---	1,32	down
6119413	7148741	1247872	---	---	---	1,56	up
6119432	7215722	1412266	---	---	---	1,28	down
6119446	7110330	1152925	---	---	---	1,22	up
6119617	7164949	1286470	---	---	---	2,04	up
6119652	7303635	1631459	---	---	---	1,01	up
6119718	7378997	1818659	---	---	---	1,04	up
6119735	7337425	1713215	---	---	---	1,03	up
6119800	7098648	1124274	---	---	---	1,27	up
6119885	7162102	1280361	---	---	---	1,57	down
6119921	7354935	1757103	---	---	---	1,15	up
6120062	7033504	969852	---	---	---	1,04	up
6120205	7338101	1715194	---	---	---	1,26	up
6120222	7062436	1037708	---	---	---	1,08	down
6120283	7330238	1695956	---	---	---	1,13	down
6120316	7093835	1112220	---	---	---	1,02	down
6120482	7176235	1315237	---	---	---	1,05	up
6120505	7230886	1449533	---	---	---	1,19	up
6120538	7235840	1462990	---	---	---	2,07	down
6120759	7311391	1650872	---	---	---	1,25	up
6120811	7252877	1504752	---	---	---	1,16	down
6120812	7101684	1131709	---	---	---	1,01	up
6120842	7039532	984436	---	---	---	1,19	up
6120850	7301900	1626742	---	---	---	2,38	down
6120875	7358859	1766964	---	---	---	1,03	down
6120964	7162144	1280513	---	---	---	1,29	up
6120981	7247954	1492399	---	---	---	1,07	down
6121176	7064134	1041454	---	---	---	1,13	down
6121180	7287337	1589972	---	---	---	1,13	down
6121212	7337224	1712611	---	---	---	1,71	down
6121253	7327169	1688462	---	---	---	1,62	down
6121268	7346066	1735287	---	---	---	1,19	up
6121336	7302787	1628891	---	---	---	1,20	down
6121337	7140365	1226774	---	---	---	1,43	down
6121409	7078666	1076507	---	---	---	1,13	up

6121440	7227474	1441147	---	---	---	1,07	up
6121473	7200129	1375994	---	---	---	2,46	up
6121489	7333462	1703644	---	---	---	1,00	up
6121545	7207069	1392024	---	---	---	1,14	up
6121604	7069830	1055646	---	---	---	1,09	up
6121616	7065860	1045808	---	---	---	1,20	up
6121621	7374493	1807960	---	---	---	1,19	up
6121625	7252877	1504742	---	---	---	1,00	down
6121648	7120827	1179350	---	---	---	1,30	up
6121662	7217434	1416436	---	---	---	1,20	up
6121743	7235069	1460978	---	---	---	1,42	down
6121797	7115362	1165605	---	---	---	1,17	up
6121801	7078815	1076980	---	---	---	1,18	down
6121830	7120827	1179345	---	---	---	1,09	up
6121854	7207093	1392115	---	---	---	1,15	down
6121873	7312575	1653359	---	---	---	2,20	down
6121882	7231834	1452268	---	---	---	1,22	down
6121946	7331413	1699134	---	---	---	1,05	down
6121947	7363529	1777921	---	---	---	1,29	up
6121960	7213908	1407759	---	---	---	1,99	up
6121969	7059309	1029906	---	---	---	1,09	down
6122082	7330731	1697198	---	---	---	1,00	up
6122100	7217747	1417510	---	---	---	1,20	down
6122132	7295652	1610294	---	---	---	1,13	up
6122139	7127691	1195635	---	---	---	1,23	up
6122255	7291309	1599947	---	---	---	1,19	up
6122274	7202749	1382125	---	---	---	1,03	up
6122299	7365147	1781750	---	---	---	1,31	down
6122372	7039463	984254	---	---	---	1,03	up
6122441	7115362	1165597	---	---	---	1,08	up
6122509	7385253	1832225	---	---	---	1,07	down
6122525	7258784	1519674	---	---	---	1,45	up
6122574	7039532	984441	---	---	---	1,01	down
6122620	7032618	967334	---	---	---	1,05	up
6122668	7373634	1805723	---	---	---	1,37	up
6122761	7244290	1484150	---	---	---	1,33	down
6122785	7092549	1109142	---	---	---	1,17	up
6122963	7068942	1053375	---	---	---	1,89	down
6122965	7361223	1772619	---	---	---	1,65	up
6122970	7290793	1598636	---	---	---	1,34	up
6123096	7080563	1080716	---	---	---	1,08	up
6123149	7142321	1231557	---	---	---	1,11	down
6123171	7155286	1263908	---	---	---	1,00	up
6123172	7258455	1518713	---	---	---	1,27	up
6123192	7061550	1035290	---	---	---	1,06	down
6123221	7037235	978575	---	---	---	1,43	down
6123246	7121849	1181768	---	---	---	1,04	down
6123253	7210263	1399750	---	---	---	1,35	down
6123406	7052933	1016214	---	---	---	2,17	up
6123772	7212587	1404651	---	---	---	1,21	down
6123843	7068942	1053385	---	---	---	1,10	up
6123862	7240569	1475380	---	---	---	1,21	up
6123889	7062233	1037218	---	---	---	1,36	down
6124223	7247230	1490583	---	---	---	1,18	up
6124244	7067670	1050314	---	---	---	2,98	up
6124250	7035525	974770	---	---	---	1,19	up
6124313	7136746	1217966	---	---	---	1,14	up

6124317	7373678	1805882	---	---	---	1,26	up
6124333	7355138	1757771	---	---	---	1,28	down
6124368	7212587	1404656	---	---	---	2,21	up
6124484	7217679	1417323	---	---	---	1,01	up
6124564	7240569	1475460	---	---	---	1,29	up
6124708	7095041	1115195	---	---	---	1,17	down
6124724	7230628	1448867	---	---	---	1,63	down
6124736	7383102	1827378	---	---	---	1,04	down
6124753	7213908	1407697	---	---	---	1,03	down
6124819	7349817	1744600	---	---	---	2,19	up
6124857	7186240	1340827	---	---	---	1,01	up
6124925	7225543	1435937	---	---	---	1,15	down
6124958	7207093	1392161	---	---	---	1,01	down
6124961	7268693	1544175	---	---	---	1,54	down
6125050	7305275	1635833	---	---	---	1,38	up
6125080	7307473	1641291	---	---	---	1,08	down
6125134	7244287	1484074	---	---	---	1,35	up
6125145	7147213	1243837	---	---	---	1,05	down
6125192	7380878	1822555	---	---	---	1,64	down
6125431	7361042	1772263	---	---	---	1,22	down
6125472	7295410	1609733	---	---	---	1,05	up
6125556	7383586	1828424	---	---	---	1,64	down
6125584	7236358	1464255	---	---	---	1,07	down
6125619	7200313	1376451	---	---	---	1,17	up
6125679	7330238	1695939	---	---	---	1,04	down
6125686	7106776	1144108	---	---	---	1,32	down
6125715	7181169	1328104	---	---	---	1,33	up
6125770	7353284	1752981	---	---	---	1,15	up
6125798	7231775	1452128	---	---	---	1,20	up
6125803	7198210	1371003	---	---	---	1,14	down
6125818	7279555	1571950	---	---	---	1,01	up
6125881	7318651	1669073	---	---	---	1,00	up
6125892	7211389	1402113	---	---	---	1,06	up
6125925	7347427	1738661	---	---	---	1,20	down
6126001	7059020	1029353	---	---	---	1,51	up
6126194	7061003	1033922	---	---	---	1,20	down
6126421	7237814	1467827	---	---	---	1,56	down
6126457	7231653	1451877	---	---	---	1,01	down
6126697	7205944	1389458	---	---	---	1,40	down
6126722	7093255	1110763	---	---	---	1,15	down
6126728	7073950	1065859	---	---	---	1,11	up
6126729	7033504	969851	---	---	---	1,07	up
6126748	7259807	1522248	---	---	---	2,00	down
6126791	7261580	1526778	---	---	---	1,01	up
6126798	7113483	1161007	---	---	---	1,04	up
6126880	7234040	1458505	---	---	---	1,09	down
6126881	7186240	1340824	---	---	---	1,09	up
6126924	7082098	1084118	---	---	---	1,04	down
6127011	7274780	1559244	---	---	---	1,27	down
6127131	7231775	1452124	---	---	---	1,01	down
6127176	7243627	1482352	---	---	---	1,43	down
6127411	7257893	1517473	---	---	---	1,19	down
6127433	7059020	1029334	---	---	---	1,44	down
6127477	7331413	1699133	---	---	---	1,54	up
6127645	7333333	1703398	---	---	---	2,02	up
6127654	7186305	1341004	---	---	---	1,65	down
6127692	7346687	1736691	---	---	---	1,26	up

6127750	7148741	1247856	---	---	---	1,03	down
6127766	7127257	1194807	---	---	---	1,39	up
6127771	7093296	1110892	---	---	---	1,37	down
6127774	7353287	1753021	---	---	---	1,00	up
6127787	7194540	1362112	---	---	---	1,14	up
6127821	7366749	1785485	---	---	---	1,14	down
6127875	7086672	1094350	---	---	---	1,38	down
6127975	7255911	1512231	---	---	---	1,19	down
6128005	7337845	1714355	---	---	---	2,21	down
6128031	7310851	1649634	---	---	---	1,01	up
6128108	7358048	1764794	---	---	---	1,08	down
6128136	7292701	1602961	---	---	---	2,42	down
6128154	7108434	1148307	---	---	---	1,56	up
6128199	7378809	1818116	---	---	---	1,04	down
6128259	7152889	1257356	---	---	---	1,73	down
6128318	7237711	1467468	---	---	---	1,90	down
6128345	7100523	1128876	---	---	---	1,03	up
6128441	7190524	1351187	---	---	---	1,16	up
6128525	7370779	1798153	---	---	---	1,01	up
6128530	7146542	1242295	---	---	---	1,40	down
6128635	7196029	1365634	---	---	---	1,10	up
6128723	7272431	1553895	---	---	---	1,21	up
6128743	7065860	1045796	---	---	---	2,29	up
6128755	7125348	1190098	---	---	---	1,74	up
6128790	7059584	1030546	---	---	---	1,24	down
6128804	7344836	1732409	---	---	---	1,05	down
6128857	7146542	1242295	---	---	---	1,11	down
6128889	7142321	1231484	---	---	---	1,12	down
6129043	7058507	1028312	---	---	---	1,24	down
6129239	7095021	1115126	---	---	---	1,08	up
6129290	7112566	1158635	---	---	---	1,19	up
6129329	7280743	1574505	---	---	---	1,19	up
6129332	7274780	1559214	---	---	---	2,42	down
6129339	7297589	1615661	---	---	---	1,03	up
6129484	7031774	964736	---	---	---	2,23	down
6129515	7156052	1265770	---	---	---	1,19	down
6129548	7341546	1723955	---	---	---	1,03	down
6129628	7259925	1522547	---	---	---	1,14	up
6129716	7148741	1247869	---	---	---	1,10	up
6129780	7033337	969500	---	---	---	1,04	down
6129835	7367851	1788508	---	---	---	1,42	up
6130040	7030037	960717	---	---	---	1,09	down
6130111	7064372	1042164	---	---	---	1,36	up
6130127	7261580	1526811	---	---	---	1,23	up
6130298	7369938	1795527	---	---	---	1,14	up
6130324	7217434	1416407	---	---	---	1,93	down
6130408	7128112	1196536	---	---	---	2,40	down
6130475	7166867	1291313	---	---	---	1,75	down
6130565	7195680	1364877	---	---	---	1,12	up
6130570	7083533	1087308	---	---	---	1,02	down
6130676	7374313	1807382	---	---	---	1,18	down
6130861	7275761	1561885	---	---	---	1,77	up
6130862	7221855	1427226	---	---	---	1,55	down
6130906	7365147	1781777	---	---	---	1,11	down
6130993	7265259	1535439	---	---	---	1,23	down
6131015	7261592	1526855	---	---	---	1,15	down
6131052	7034356	972169	---	---	---	1,52	up

6131087	7139026	1223504	---	---	---	1,14	down
6131124	7297589	1615687	---	---	---	1,37	up
6131252	7243627	1482361	---	---	---	1,24	down
6131256	7142321	1231509	---	---	---	1,22	up
6131259	7068259	1051651	---	---	---	1,49	up
6131290	7225543	1435924	---	---	---	1,22	up
6131375	7330731	1697184	---	---	---	1,28	up
6131388	7319609	1671206	---	---	---	1,56	down
6131420	7374324	1807537	---	---	---	1,46	down
6131444	7090581	1104744	---	---	---	1,91	up
6131448	7146542	1242260	---	---	---	1,42	up
6131450	7240641	1475740	---	---	---	1,01	down
6131470	7330396	1696361	---	---	---	1,25	down
6131472	7109292	1150745	---	---	---	1,74	down
6131488	7376073	1811712	---	---	---	1,02	up
6131580	7101643	1131595	---	---	---	1,65	up
6131619	7358048	1764801	---	---	---	1,35	down
6131657	7294851	1608363	---	---	---	1,10	up
6131788	7247672	1491756	---	---	---	1,46	up
6132048	7250671	1499014	---	---	---	1,74	down
6132058	7365183	1781905	---	---	---	1,30	up
6132229	7337425	1713199	---	---	---	1,03	up
6132299	7142917	1233177	---	---	---	1,01	down
6132333	7069830	1055648	---	---	---	1,08	down
6132343	7197056	1367838	---	---	---	1,53	up
6132481	7277719	1567088	---	---	---	1,14	up
6132544	7333333	1703404	---	---	---	1,94	up
6132593	7355138	1757744	---	---	---	1,12	down
6132725	7172373	1305583	---	---	---	1,25	up
6132799	7337902	1714547	---	---	---	1,56	up
6132808	7069721	1055314	---	---	---	2,65	up
6132927	7217679	1417310	---	---	---	1,97	down
6133093	7360486	1771013	---	---	---	1,21	down
6133131	7132024	1206337	---	---	---	1,02	down
6133196	7312903	1654102	---	---	---	1,14	up
6133254	7344836	1732410	---	---	---	1,36	up
6133273	7317088	1665022	---	---	---	1,13	up
6133288	7277719	1567089	---	---	---	1,18	down
6133306	7364346	1780043	---	---	---	1,44	down
6133355	7184931	1337716	---	---	---	1,39	up
6133473	7033616	970207	---	---	---	1,16	up
6133592	7098810	1124656	---	---	---	1,15	up
6133597	7360325	1770490	---	---	---	1,32	down
6133617	7243647	1482455	---	---	---	1,06	up
6133713	7235794	1462897	---	---	---	2,10	up
6133878	7180630	1326455	---	---	---	1,58	up
6133918	7265259	1535440	---	---	---	1,56	up
6134076	7344530	1731568	---	---	---	1,03	down
6134203	7095021	1115130	---	---	---	2,14	up
6134220	7258455	1518709	---	---	---	1,15	down
6134305	7078982	1077315	---	---	---	1,65	up
6134326	7369712	1794834	---	---	---	1,77	up
6134413	7375937	1811364	---	---	---	1,16	down
6134490	7059020	1029340	---	---	---	1,50	up
6134513	7374317	1807407	---	---	---	1,36	up
6134562	7118503	1173569	---	---	---	1,88	down
6134568	7162144	1280493	---	---	---	2,04	down

6134608	7219624	1422101	---	---	---	1,82	up
6134629	7367980	1789167	---	---	---	1,66	up
6134759	7377304	1814580	---	---	---	1,49	up
6134776	7230886	1449525	---	---	---	1,05	down
6134871	7237907	1468078	---	---	---	1,89	up
6134878	7286807	1588783	---	---	---	1,45	down
6134882	7149817	1250310	---	---	---	1,37	down
6135006	7058713	1028664	---	---	---	1,03	up
6135087	7243253	1481225	---	---	---	1,09	down
6135143	7290814	1598679	---	---	---	1,37	up
6135358	7259923	1522532	---	---	---	1,07	down
6135436	7346885	1737311	---	---	---	1,01	up
6135471	7093936	1112479	---	---	---	1,01	down
6135554	7279568	1572006	---	---	---	1,11	down
6135666	7315206	1660011	---	---	---	1,60	up
6135780	7205944	1389481	---	---	---	1,23	down
6135815	7112566	1158625	---	---	---	1,38	up
6135818	7229061	1445300	---	---	---	1,75	up
6135879	7260579	1524190	---	---	---	1,24	down
6135978	7194540	1362110	---	---	---	1,03	up
6136059	7095960	1117070	---	---	---	1,81	down
6136184	7320998	1674716	---	---	---	1,07	down
6136227	7371001	1798849	---	---	---	1,14	down
6136238	7128539	1197666	---	---	---	1,02	down
6136303	7209927	1398923	---	---	---	1,05	down
6136348	7353382	1753229	---	---	---	1,89	down
6136384	7179914	1324718	---	---	---	2,09	down
6136428	7210387	1400042	---	---	---	1,80	up
6136451	7166439	1290099	---	---	---	4,20	up
6136526	7146872	1242914	---	---	---	1,06	down
6136556	7211389	1402112	---	---	---	1,67	down
6136561	7333462	1703640	---	---	---	1,20	up
6136577	7074911	1068171	---	---	---	1,21	down
6136603	7031774	964723	---	---	---	1,04	up
6136719	7079238	1077819	---	---	---	1,17	down
6136743	7243647	1482483	---	---	---	1,14	up
6136749	7381330	1823646	---	---	---	1,53	down
6136829	7112566	1158630	---	---	---	1,13	up
6136858	7327169	1688466	---	---	---	1,14	down
6136863	7127540	1195276	---	---	---	1,20	down
6136874	7313538	1655740	---	---	---	1,18	up
6136887	7383102	1827392	---	---	---	1,34	down
6136902	7095041	1115188	---	---	---	1,26	up
6136930	7352044	1750006	---	---	---	1,23	up
6136938	7115963	1167069	---	---	---	1,03	up
6137010	7367980	1789179	---	---	---	1,57	down
6137033	7302327	1627675	---	---	---	1,46	up
6137035	7245921	1487689	---	---	---	1,14	down
6137129	7297589	1615662	---	---	---	1,08	up
6137188	7031774	964706	---	---	---	1,87	up
6137257	7226277	1437992	---	---	---	1,07	down
6137268	7086044	1092909	---	---	---	1,87	down
6137279	7344406	1731203	---	---	---	1,16	up
6137290	7286807	1588815	---	---	---	1,75	down
6137407	7329136	1693543	---	---	---	1,44	up
6137478	7368489	1791034	---	---	---	1,08	down
6137483	7360325	1770490	---	---	---	1,26	up

6137553	7267204	1539851	---	---	---	1,55	up
6137573	7374324	1807535	---	---	---	1,12	down
6137574	7072765	1062743	---	---	---	1,28	up
6137632	7350993	1747503	---	---	---	1,16	up
6137669	7363147	1777030	---	---	---	1,12	down
6137762	7068259	1051597	---	---	---	1,87	up
6137764	7286613	1588476	---	---	---	3,05	up
6137773	7180243	1325502	---	---	---	1,00	up
6137814	7028278	957311	---	---	---	1,03	up
6137873	7146542	1242244	---	---	---	1,20	up
6137904	7142915	1233093	---	---	---	1,03	up
6137920	7111427	1155764	---	---	---	1,71	down
6137994	7368555	1791241	---	---	---	1,29	up
6138015	7292701	1602943	---	---	---	1,34	up
6138096	7189455	1348345	---	---	---	1,12	up
6138174	7166867	1291301	---	---	---	1,59	down
6138185	7350922	1747316	---	---	---	1,08	up
6138194	7038530	981884	---	---	---	1,03	up
6138228	7376820	1813392	---	---	---	1,15	down
6138244	7306680	1639571	---	---	---	1,84	up
6138249	7211389	1402114	---	---	---	1,07	up
6138255	7031662	964364	---	---	---	1,04	up
6138353	7162144	1280495	---	---	---	1,11	up
6138496	7227474	1441156	---	---	---	1,21	up
6138505	7190534	1351226	---	---	---	1,05	down
6138543	7350886	1747146	---	---	---	1,64	down
6138552	7124991	1189293	---	---	---	2,10	up
6138565	7277719	1567080	---	---	---	1,01	down
6138630	7320998	1674738	---	---	---	1,60	down
6138729	7256070	1512598	---	---	---	1,21	down
6138734	7364346	1779965	---	---	---	1,74	down
6138752	7239752	1473185	---	---	---	1,21	up
6138820	7339379	1718337	---	---	---	1,03	up
6138830	7339834	1719557	---	---	---	1,02	up
6138865	7359789	1769107	---	---	---	2,62	down
6138887	7087965	1098026	---	---	---	2,30	up
6138896	7033337	969494	---	---	---	1,22	up
6139029	7344380	1731124	---	---	---	1,11	up
6139063	7340304	1720851	---	---	---	1,43	down
6139244	7162144	1280510	---	---	---	1,31	down
6139307	7110401	1153075	---	---	---	1,09	up
6139405	7039532	984441	---	---	---	1,01	up
6139421	7131372	1205039	---	---	---	1,15	up
6139489	7374324	1807499	---	---	---	1,13	up
6139535	7227474	1441139	---	---	---	1,11	up
6139624	7068259	1051611	---	---	---	1,26	down
6139806	7297589	1615600	---	---	---	1,12	up
6139814	7330731	1697174	---	---	---	1,11	down
6139914	7172988	1307315	---	---	---	1,23	down
6139936	7063716	1040124	---	---	---	1,02	down
6139946	7078666	1076526	---	---	---	1,25	down
6139979	7311178	1650228	---	---	---	1,31	down
6139995	7210713	1400753	---	---	---	1,08	down
6140062	7044988	998462	---	---	---	1,11	up
6140073	7063716	1040126	---	---	---	1,10	down
6140148	7198087	1370699	---	---	---	1,17	up
6140155	7168521	1295973	---	---	---	1,58	up

6140166	7081487	1082703	---	---	---	1,09	up
6140167	7360325	1770559	---	---	---	1,35	down
6140202	7113483	1161018	---	---	---	1,13	up
6140241	7380497	1821865	---	---	---	1,05	up
6140295	7068259	1051630	---	---	---	1,35	up
6140329	7067670	1050303	---	---	---	2,33	up
6140376	7341038	1722677	---	---	---	1,22	up
6140451	7033337	969483	---	---	---	1,14	down
6140515	7216970	1415125	---	---	---	1,35	up
6140581	7255120	1510371	---	---	---	1,05	down
6140658	7264808	1534469	---	---	---	1,20	up
6140677	7114274	1162811	---	---	---	1,33	down
6140720	7088544	1099660	---	---	---	1,20	down
6140806	7128112	1196531	---	---	---	1,01	up
6140879	7121849	1181762	---	---	---	1,13	down
6140942	7350237	1745494	---	---	---	1,03	up
6140976	7378997	1818677	---	---	---	1,25	up
6140977	7031774	964778	---	---	---	1,44	down
6141012	7358859	1767016	---	---	---	1,30	up
6141027	7240569	1475508	---	---	---	1,00	up
6141109	7088164	1098474	---	---	---	2,03	down
6141158	7160687	1277018	---	---	---	1,04	down
6141169	7217747	1417502	---	---	---	1,46	down
6141241	7256191	1512880	---	---	---	1,33	down
6141311	7177428	1318365	---	---	---	1,10	up
6141329	7380497	1821857	---	---	---	1,12	up
6141354	7237814	1467830	---	---	---	1,14	up
6141362	7266532	1538296	---	---	---	1,57	down
6141388	7243647	1482467	---	---	---	1,10	up
6141414	7058149	1027294	---	---	---	1,17	down
6141433	7231958	1452576	---	---	---	3,10	up
6141528	7347427	1738666	---	---	---	1,05	down
6141555	7262114	1528016	---	---	---	2,57	down
6141757	7383823	1828946	---	---	---	1,22	up
6141761	7073950	1065922	---	---	---	1,33	up
6141801	7285563	1586041	---	---	---	1,16	up
6141849	7193513	1359467	---	---	---	1,15	up
6141982	7056333	1023681	---	---	---	1,05	up
6142191	7380497	1821832	---	---	---	1,13	up
6142248	7052813	1015907	---	---	---	1,19	down
6142267	7088544	1099691	---	---	---	1,59	up
6142372	7167883	1294108	---	---	---	1,02	up
6142446	7336579	1711006	---	---	---	1,22	up
6142469	7245921	1487691	---	---	---	2,41	down
6142552	7032558	967066	---	---	---	1,34	down
6142565	7238115	1468559	---	---	---	1,14	up
6142569	7067670	1050320	---	---	---	2,37	up
6142617	7029770	960147	---	---	---	1,30	up
6142637	7339387	1718382	---	---	---	1,61	up
6142668	7212587	1404639	---	---	---	1,49	up
6142849	7314270	1657742	---	---	---	1,11	up
6142958	7355044	1757433	---	---	---	1,02	up
6143040	7212141	1403604	---	---	---	1,75	up
6143123	7194400	1361751	---	---	---	1,14	up
6143286	7127691	1195629	---	---	---	1,04	up
6143437	7320735	1674178	---	---	---	1,06	up
6143445	7062436	1037701	---	---	---	1,03	up

6143462	7065570	1045091	---	---	---	1,47	up
6143522	7358859	1766960	---	---	---	1,72	down
6143524	7269911	1546913	---	---	---	1,21	up
6143569	7340990	1722504	---	---	---	1,11	up
6143584	7213908	1407673	---	---	---	1,15	down
6143642	7322388	1677328	---	---	---	1,02	up
6143697	7212141	1403604	---	---	---	2,75	up
6143814	7180721	1326701	---	---	---	1,01	up
6143855	7034747	973193	---	---	---	1,20	up
6143943	7073673	1065088	---	---	---	1,35	down
6143951	7346229	1735598	---	---	---	1,46	down
6144053	7258455	1518708	---	---	---	1,13	down
6144080	7198210	1371005	---	---	---	1,04	up
6144081	7198644	1372295	---	---	---	1,19	down
6144100	7384904	1831594	---	---	---	1,07	down
6144200	7066035	1046200	---	---	---	1,23	up
6144310	7243647	1482453	---	---	---	1,10	up
6144409	7374324	1807491	---	---	---	1,06	up
6144533	7063716	1040125	---	---	---	2,15	down
6144622	7034293	971976	---	---	---	1,02	up
6144649	7339834	1719553	---	---	---	1,27	up
6144771	7139026	1223490	---	---	---	1,19	down
6144779	7346066	1735324	---	---	---	2,08	down
6144790	7354935	1757098	---	---	---	1,86	up
6144984	7369031	1793013	---	---	---	1,40	down
6144987	7353287	1753024	---	---	---	1,33	up
6144995	7297589	1615666	---	---	---	1,19	up
6145133	7208784	1396131	---	---	---	1,05	up
6145138	7278010	1568048	---	---	---	1,48	down
6145244	7274892	1559579	---	---	---	1,29	down
6145344	7186464	1341356	---	---	---	1,35	down
6145392	7382499	1826256	---	---	---	1,27	up
6145506	7376820	1813453	---	---	---	1,44	up
6145517	7381330	1823636	---	---	---	1,47	down
6145632	7094139	1112907	---	---	---	1,63	up
6145648	7383586	1828437	---	---	---	1,17	up
6145764	7097454	1120885	---	---	---	1,40	down
6145814	7286807	1588802	---	---	---	1,47	down
6145853	7313841	1656707	---	---	---	1,07	up
6145893	7130917	1203924	---	---	---	1,14	up
6145960	7098810	1124657	---	---	---	1,11	up
6145979	7071969	1060903	---	---	---	1,08	up
6146085	7143455	1234730	---	---	---	1,00	up
6146086	7068259	1051633	---	---	---	1,45	down
6146172	7231152	1450263	---	---	---	2,11	up
6146178	7156052	1265753	---	---	---	1,78	down
6146227	7306330	1638520	---	---	---	1,85	up
6146230	7293922	1605963	---	---	---	1,05	up
6146257	7294686	1607849	---	---	---	1,11	up
6146323	7149817	1250316	---	---	---	1,18	down
6146327	7039725	984811	---	---	---	1,73	up
6146426	7337845	1714347	---	---	---	1,21	down
6146431	7289382	1595211	---	---	---	1,03	down
6146443	7240569	1475314	---	---	---	1,03	up
6146466	7274780	1559210	---	---	---	2,09	down
6146483	7062436	1037671	---	---	---	1,00	up
6146605	7182056	1330579	---	---	---	1,01	down

6146645	7341274	1723380	---	---	---	1,01	up
6146655	7146872	1242907	---	---	---	1,09	down
6146779	7120235	1177953	---	---	---	1,30	down
6146817	7260488	1523933	---	---	---	1,21	up
6146818	7169732	1298701	---	---	---	1,14	up
6146877	7337425	1713175	---	---	---	1,05	down
6146886	7050384	1010451	---	---	---	1,08	up
6146976	7337224	1712618	---	---	---	1,37	up
6146997	7336931	1711861	---	---	---	1,31	up
6147003	7255911	1512229	---	---	---	1,19	up
6147034	7374324	1807455	---	---	---	1,16	up
6147094	7266530	1538284	---	---	---	1,35	up
6147374	7370412	1796836	---	---	---	1,42	down
6147429	7210263	1399744	---	---	---	1,32	up
6147459	7156052	1265755	---	---	---	1,25	down
6147526	7255517	1511342	---	---	---	2,05	up
6147580	7252339	1503299	---	---	---	1,04	down
6147604	7341646	1724194	---	---	---	1,06	down
6147637	7282927	1580007	---	---	---	1,12	down
6147643	7186464	1341367	---	---	---	1,56	up
6147645	7092549	1109170	---	---	---	1,20	down
6147702	7149817	1250317	---	---	---	1,87	down
6147810	7121074	1179890	---	---	---	1,82	down
6147941	7219729	1422379	---	---	---	1,15	up
6147989	7042382	991293	---	---	---	1,11	down
6148050	7223395	1431088	---	---	---	1,08	up
6148089	7337425	1713221	---	---	---	1,03	up
6148188	7240641	1475744	---	---	---	1,00	up
6148208	7360486	1770978	---	---	---	1,64	up
6148226	7064134	1041447	---	---	---	1,14	down
6148227	7050716	1011223	---	---	---	1,61	down
6148257	7041609	989586	---	---	---	1,02	up
6148325	7365147	1781755	---	---	---	1,01	up
6148350	7089080	1101149	---	---	---	1,04	down
6148366	7069721	1055296	---	---	---	1,09	down
6148402	7263652	1531627	---	---	---	1,05	up
6148408	7139825	1225348	---	---	---	1,09	down
6148467	7166867	1291334	---	---	---	1,22	up
6148535	7061948	1036374	---	---	---	2,11	down
6148685	7320735	1674190	---	---	---	1,00	down
6148698	7068413	1051951	---	---	---	1,80	up
6148777	7072765	1062736	---	---	---	1,44	up
6148894	7132125	1206630	---	---	---	1,32	down
6148933	7353284	1752984	---	---	---	1,26	up
6149074	7030037	960708	---	---	---	1,14	down
6149126	7308262	1643187	---	---	---	1,51	down
6149229	7319259	1670394	---	---	---	1,50	up
6149287	7211389	1402118	---	---	---	2,32	up
6149366	7341274	1723377	---	---	---	1,04	up
6149459	7118356	1173130	---	---	---	1,07	down
6149545	7264085	1532720	---	---	---	1,68	down
6149667	7035525	974780	---	---	---	1,08	down
6149713	7071292	1059449	---	---	---	1,49	up
6149788	7136142	1216416	---	---	---	1,59	up
6149868	7191983	1355153	---	---	---	1,28	up
6149986	7317204	1665394	---	---	---	1,36	down
6150002	7368004	1789333	---	---	---	1,57	down

6150120	7147213	1243829	---	---	---	1,57	down
6150345	7309738	1646959	---	---	---	1,58	down
6150377	7069830	1055592	---	---	---	1,26	down
6150378	7083031	1086290	---	---	---	1,36	down
6150553	7121074	1179920	---	---	---	1,24	up
6150584	7211363	1402047	---	---	---	1,52	up
6150628	7117951	1172068	---	---	---	1,38	up
6150631	7060195	1031960	---	---	---	1,18	down
6150738	7115507	1165970	---	---	---	2,15	down
6150811	7086966	1095287	---	---	---	2,67	up
6150847	7182056	1330579	---	---	---	1,05	down
6150885	7144389	1236778	---	---	---	1,05	up
6150896	7350237	1745493	---	---	---	1,08	down
6150908	7217650	1417171	---	---	---	1,04	up
6150993	7049308	1008108	---	---	---	1,60	down
6151097	7248790	1494508	---	---	---	1,17	up
6151214	7120468	1178510	---	---	---	2,20	down
6151263	7280743	1574556	---	---	---	2,40	up
6151323	7218728	1419927	---	---	---	1,20	up
6151332	7203041	1382733	---	---	---	2,67	down
6151370	7181169	1328103	---	---	---	1,30	up
6151432	7349313	1743119	---	---	---	1,55	down
6151450	7260066	1522899	---	---	---	1,12	up
6151594	7221855	1427225	---	---	---	1,48	down
6151663	7237992	1468288	---	---	---	1,47	down
6151685	7025310	949236	---	---	---	1,07	down
6151707	7240641	1475739	---	---	---	1,28	up
6151714	7336931	1711870	---	---	---	1,27	down
6151766	7086044	1092936	---	---	---	1,58	down
6151776	7190844	1352139	---	---	---	1,18	up
6151821	7261580	1526786	---	---	---	1,29	up
6151916	7340673	1721711	---	---	---	1,18	up
6152082	7195680	1364867	---	---	---	1,03	down
6152188	7365183	1781918	---	---	---	1,85	down
6152212	7370446	1797009	---	---	---	1,31	down
6152253	7100523	1128875	---	---	---	1,11	down
6152305	7330582	1696871	---	---	---	2,14	up
6152306	7376073	1811707	---	---	---	1,32	up
6152328	7335637	1708478	---	---	---	2,21	down
6152425	7255120	1510375	---	---	---	1,25	up
6152646	7377304	1814574	---	---	---	1,04	up
6152723	7176275	1315351	---	---	---	1,13	up
6152775	7154655	1262334	---	---	---	2,29	up
6152828	7116540	1168636	---	---	---	1,47	down
6152867	7340990	1722503	---	---	---	1,13	up
6152899	7331413	1699139	---	---	---	1,05	up
6153022	7141456	1229585	---	---	---	1,23	up
6153055	7254209	1508013	---	---	---	3,15	up
6153465	7353224	1752672	---	---	---	1,10	down
6153689	7189184	1347604	---	---	---	1,28	down
6153724	7246823	1489671	---	---	---	1,10	up
6153765	7231484	1451368	---	---	---	1,04	down
6153917	7132715	1207964	---	---	---	1,32	down
6153936	7377791	1815990	---	---	---	1,03	up
6154012	7284901	1584808	---	---	---	1,55	down
6154056	7252877	1504768	---	---	---	1,55	up
6154097	7209811	1398673	---	---	---	1,27	down

6154183	7217434	1416385	---	---	---	1,39	down
6154196	7231655	1451915	---	---	---	2,63	down
6154233	7127801	1195861	---	---	---	2,38	down
6154264	7216676	1414429	---	---	---	4,19	down
6154341	7356115	1760135	---	---	---	1,03	up
6154350	7279568	1572011	---	---	---	1,29	down
6154395	7091439	1106625	---	---	---	1,05	down
6154449	7232709	1454524	---	---	---	1,06	down
6154476	7288077	1591945	---	---	---	1,12	up
6154515	7337224	1712622	---	---	---	1,00	up
6154598	7364346	1780043	---	---	---	1,26	down
6154625	7292869	1603424	---	---	---	2,01	up
6154703	7116023	1167289	---	---	---	1,02	down
6154854	7241995	1478326	---	---	---	1,05	down
6154901	7123421	1185842	---	---	---	1,61	up
6154907	7131372	1205027	---	---	---	1,23	down
6154957	7162144	1280517	---	---	---	1,55	up
6154966	7306330	1638524	---	---	---	1,22	down
6154979	7213294	1406094	---	---	---	1,01	up
6155011	7368489	1791032	---	---	---	1,00	up
6155051	7112566	1158635	---	---	---	1,14	down
6155055	7031618	964199	---	---	---	2,73	down
6155083	7314270	1657741	---	---	---	1,28	down
6155148	7330238	1695954	---	---	---	1,56	up
6155169	7088164	1098492	---	---	---	2,64	up
6155320	7128539	1197667	---	---	---	2,25	up
6155396	7117526	1171034	---	---	---	1,23	up
6155464	7088544	1099701	---	---	---	1,38	down
6155501	7033337	969501	---	---	---	1,07	down
6155758	7048014	1005624	---	---	---	2,17	up
6155801	7106752	1144049	---	---	---	1,05	up
6155818	7063716	1040125	---	---	---	1,31	up
6155840	7373633	1805705	---	---	---	1,04	up
6156006	7209927	1398924	---	---	---	1,46	up
6156105	7128112	1196566	---	---	---	1,16	up
6156370	7312250	1652642	---	---	---	1,21	down
6156412	7067089	1048925	---	---	---	1,16	up
6156437	7380878	1822552	---	---	---	1,28	up
6156450	7208784	1396095	---	---	---	1,28	down
6156538	7147416	1244434	---	---	---	1,09	down
6156741	7162177	1280576	---	---	---	1,09	up
6156751	7108974	1149800	---	---	---	1,44	down
6156854	7240641	1475741	---	---	---	1,21	up
6156857	7374324	1807478	---	---	---	1,16	up
6156882	7032204	966175	---	---	---	1,15	down
6156894	7068259	1051621	---	---	---	1,45	down
6156914	7155286	1263839	---	---	---	2,37	up
6156966	7228530	1443902	---	---	---	1,11	up
6157008	7261019	1525281	---	---	---	1,91	down
6157112	7081487	1082709	---	---	---	1,54	down
6157134	7202749	1382124	---	---	---	1,01	down
6157136	7035525	974786	---	---	---	1,51	up
6157189	7088489	1099523	---	---	---	1,20	down
6157205	7131119	1204442	---	---	---	1,18	up
6157259	7341274	1723401	---	---	---	1,01	up
6157374	7053874	1018327	---	---	---	1,76	up
6157399	7199743	1375190	---	---	---	1,35	up

6157626	7146872	1242906	---	---	---	1,36	up
6157631	7153136	1258021	---	---	---	1,14	up
6157752	7072225	1061405	---	---	---	1,64	up
6157756	7371228	1799448	---	---	---	1,23	down
6157823	7208784	1396149	---	---	---	1,19	down
6157900	7344702	1732142	---	---	---	1,05	up
6157945	7358623	1766242	---	---	---	1,00	down
6158169	7128112	1196565	---	---	---	1,23	up
6158172	7341274	1723389	---	---	---	1,05	down
6158193	7041609	989553	---	---	---	1,46	down
6158219	7131718	1205744	---	---	---	1,09	down
6158227	7326271	1686469	---	---	---	1,50	up
6158273	7210263	1399766	---	---	---	1,48	up
6158360	7342356	1725875	---	---	---	1,33	down
6158373	7368005	1789342	---	---	---	1,05	up
6158473	7222741	1429364	---	---	---	1,22	down
6158520	7349817	1744588	---	---	---	1,17	up
6158621	7366749	1785516	---	---	---	1,27	up
6158640	7349817	1744596	---	---	---	1,64	up
6158699	7361881	1773967	---	---	---	1,29	up
6158716	7231775	1452126	---	---	---	1,08	up
6158767	7029770	960152	---	---	---	1,24	down
6158855	7374324	1807529	---	---	---	1,04	up
6158862	7052338	1014662	---	---	---	1,38	down
6158882	7142321	1231563	---	---	---	1,12	up
6158888	7069253	1054160	---	---	---	1,39	down
6158905	7115362	1165599	---	---	---	1,08	up
6159009	7126400	1192534	---	---	---	1,25	down
6159054	7244288	1484097	---	---	---	1,09	down
6159088	7140834	1228016	---	---	---	1,42	down
6159295	7098867	1124961	---	---	---	1,16	down
6159318	7100523	1128919	---	---	---	1,45	up
6159407	7366728	1785433	---	---	---	1,68	down
6159478	7365147	1781767	---	---	---	1,03	up
6159503	7219624	1422143	---	---	---	1,11	down
6159514	7292517	1602555	---	---	---	1,21	up
6159584	7058507	1028299	---	---	---	1,07	up
6159638	7193403	1359190	---	---	---	1,10	down
6159649	7253408	1505943	---	---	---	1,65	up
6159757	7247976	1492461	---	---	---	1,08	up
6159796	7059766	1030972	---	---	---	1,09	up
6159918	7207069	1392033	---	---	---	1,14	up
6160108	7196006	1365569	---	---	---	1,21	up
6160163	7358859	1766982	---	---	---	1,62	up
6160200	7076236	1071238	---	---	---	1,45	down
6160222	7080476	1080411	---	---	---	1,78	up
6160287	7235074	1460999	---	---	---	2,13	up
6160296	7198210	1370974	---	---	---	1,10	up
6160315	7336854	1711688	---	---	---	2,02	up
6160325	7322388	1677318	---	---	---	1,33	down
6160336	7302860	1629013	---	---	---	1,10	down
6160372	7059971	1031472	---	---	---	1,13	up
6160386	7181001	1327593	---	---	---	1,02	up
6160574	7064134	1041466	---	---	---	1,44	down
6160595	7378981	1818552	---	---	---	1,18	up
6160777	7280743	1574527	---	---	---	1,59	down
6160821	7337224	1712622	---	---	---	1,20	up

6160897	7258455	1518736	---	---	---	1,08	up
6161127	7148978	1248459	---	---	---	1,48	up
6161142	7071714	1060350	---	---	---	4,09	down
6161152	7281577	1576879	---	---	---	1,35	up
6161189	7363674	1778407	---	---	---	1,61	down
6161428	7067670	1050315	---	---	---	1,72	up
6161506	7369400	1793984	---	---	---	2,46	down
6161523	7039532	984441	---	---	---	1,21	down
6161548	7317708	1666841	---	---	---	1,03	down
6161573	7142416	1231814	---	---	---	3,79	up
6161584	7143455	1234737	---	---	---	1,09	down
6161609	7035525	974790	---	---	---	1,32	down
6161669	7039532	984426	---	---	---	1,17	up
6161862	7079600	1078635	---	---	---	1,28	up
6162024	7155866	1265318	---	---	---	1,01	up
6162225	7374324	1807462	---	---	---	1,13	down
6162230	7340757	1721879	---	---	---	1,04	up
6162326	7186443	1341267	---	---	---	1,01	down
6162370	7039532	984424	---	---	---	1,21	down
6162531	7083030	1086269	---	---	---	1,05	up
6162597	7197056	1367844	---	---	---	1,27	up
6162630	7067828	1050785	---	---	---	1,44	up
6162721	7353232	1752828	---	---	---	1,71	down
6162767	7376566	1812881	---	---	---	1,15	down
6162778	7194400	1361756	---	---	---	1,23	down
6162882	7131718	1205750	---	---	---	1,00	down
6162903	7334855	1706941	---	---	---	1,48	up
6163033	7225213	1435122	---	---	---	1,06	down
6163059	7230886	1449533	---	---	---	1,12	down
6163077	7355138	1757757	---	---	---	1,06	up
6163206	7142081	1230984	---	---	---	1,02	down
6163285	7108434	1148314	---	---	---	1,24	up
6163417	7371001	1798849	---	---	---	1,02	down
6163465	7034293	971865	---	---	---	1,34	down
6163469	7130030	1201367	---	---	---	1,04	up
6163534	7165644	1288026	---	---	---	1,04	up
6163535	7055876	1022458	---	---	---	1,67	down
6163560	7088544	1099673	---	---	---	1,03	up
6163573	7088538	1099631	---	---	---	1,06	up
6163576	7056333	1023680	---	---	---	1,34	up
6163627	7149994	1250639	---	---	---	1,67	down
6163649	7030454	961552	---	---	---	1,30	up
6163713	7207093	1392105	---	---	---	1,02	up
6163844	7263248	1530615	---	---	---	1,47	down
6163887	7339379	1718357	---	---	---	1,15	up
6163901	7113083	1159979	---	---	---	1,07	up
6163905	7260066	1522894	---	---	---	1,03	down
6164040	7279303	1571206	---	---	---	1,70	down
6164111	7166855	1291260	---	---	---	1,22	up
6164197	7182056	1330579	---	---	---	1,02	up
6164246	7357026	1762227	---	---	---	1,08	up
6164257	7098411	1123703	---	---	---	1,11	up
6164438	7190242	1350307	---	---	---	1,70	up
6164450	7211690	1402643	---	---	---	1,05	down
6164463	7088544	1099684	---	---	---	1,23	up
6164471	7295652	1610302	---	---	---	1,34	up
6164474	7240641	1475779	---	---	---	1,07	down

6164502	7306330	1638558	---	---	---	1,16	down
6164511	7269763	1546533	---	---	---	1,08	up
6164521	7269911	1546920	---	---	---	1,11	down
6164522	7221443	1426312	---	---	---	1,32	down
6164544	7033504	969860	---	---	---	1,37	up
6164577	7214605	1409351	---	---	---	1,65	down
6164611	7193403	1359188	---	---	---	1,06	down
6164614	7100523	1128964	---	---	---	1,96	up
6164733	7353232	1752848	---	---	---	1,09	up
6164740	7344530	1731559	---	---	---	1,92	up
6164848	7208330	1395091	---	---	---	1,34	down
6164874	7068413	1051951	---	---	---	2,10	down
6164926	7273251	1555953	---	---	---	1,12	down
6165047	7190844	1352145	---	---	---	1,03	down
6165160	7073928	1065780	---	---	---	1,43	up
6165192	7344406	1731225	---	---	---	1,79	down
6165207	7240569	1475381	---	---	---	1,06	down
6165257	7118503	1173581	---	---	---	1,47	down
6165276	7330238	1695947	---	---	---	1,12	up
6165406	7238414	1469559	---	---	---	1,37	down
6165408	7307473	1641292	---	---	---	1,29	up
6165475	7088544	1099699	---	---	---	1,10	down
6165502	7162144	1280499	---	---	---	1,31	up
6165523	7058149	1027266	---	---	---	1,22	up
6165532	7307473	1641266	---	---	---	1,05	up
6165542	7069142	1053878	---	---	---	1,00	down
6165577	7143455	1234720	---	---	---	1,08	up
6165613	7070869	1058491	---	---	---	1,22	up
6165668	7264797	1534422	---	---	---	1,15	down
6165696	7097485	1120939	---	---	---	1,22	down
6165764	7073569	1064738	---	---	---	2,04	up
6165915	7364346	1780014	---	---	---	1,21	up
6165949	7213945	1407833	---	---	---	1,22	up
6166085	7040442	986561	---	---	---	1,31	down
6166362	7252283	1503112	---	---	---	2,85	up
6166444	7198210	1371008	---	---	---	1,62	down
6166476	7205944	1389458	---	---	---	1,19	down
6166515	7110401	1153070	---	---	---	1,95	down
6166518	7092549	1109152	---	---	---	1,21	down
6166764	7280982	1575267	---	---	---	1,20	down
6166801	7337224	1712603	---	---	---	2,44	down
6166848	7367946	1788962	---	---	---	1,22	down
6166943	7258784	1519673	---	---	---	2,49	up
6166999	7061550	1035280	---	---	---	1,19	down
6167018	7374324	1807525	---	---	---	1,14	down
6167137	7247512	1491211	---	---	---	1,07	up
6167162	7217679	1417293	---	---	---	1,19	up
6167207	7243253	1481226	---	---	---	1,00	down
6167250	7252877	1504770	---	---	---	2,35	up
6167329	7330396	1696377	---	---	---	1,05	up
6167507	7293234	1604337	---	---	---	1,12	down
6167546	7252339	1503300	---	---	---	1,01	down
6167623	7041609	989591	---	---	---	1,11	down
6167696	7069253	1054149	---	---	---	1,14	down
6167703	7040674	987028	---	---	---	2,04	up
6167840	7031774	964724	---	---	---	1,09	up
6167896	7119179	1174972	---	---	---	1,33	up

6167923	7050384	1010451	---	---	---	1,15	down
6167987	7267204	1539849	---	---	---	1,32	down
6168010	7272110	1553083	---	---	---	1,19	down
6168086	7263248	1530612	---	---	---	1,55	up
6168230	7356115	1760115	---	---	---	1,05	up
6168243	7240569	1475472	---	---	---	1,13	up
6168251	7126400	1192533	---	---	---	1,02	up
6168318	7243647	1482469	---	---	---	1,13	down
6168340	7172373	1305589	---	---	---	1,26	up
6168346	7039532	984421	---	---	---	1,12	down
6168418	7102416	1133514	---	---	---	2,18	up
6168438	7363529	1777961	---	---	---	1,15	up
6168568	7337425	1713172	---	---	---	1,06	up
6168605	7071714	1060351	---	---	---	1,23	down
6168835	7252339	1503334	---	---	---	1,02	down
6168900	7319398	1670689	---	---	---	1,09	up
6168963	7118234	1172845	---	---	---	1,32	down
6168981	7189184	1347598	---	---	---	1,45	down
6169072	7233106	1455669	---	---	---	1,15	down
6169077	7356326	1760469	---	---	---	1,09	up
6169121	7261580	1526776	---	---	---	1,31	up
6169152	7273251	1555958	---	---	---	1,29	down
6169211	7064732	1042930	---	---	---	1,09	up
6169377	7131805	1205915	---	---	---	1,44	down
6169384	7337425	1713133	---	---	---	1,18	down
6169385	7067518	1049942	---	---	---	1,04	down
6169492	7225317	1435354	---	---	---	2,51	down
6169542	7059020	1029350	---	---	---	1,28	up
6169543	7373633	1805712	---	---	---	1,12	down
6169554	7027797	956284	---	---	---	1,25	up
6169562	7059766	1030973	---	---	---	1,32	up
6169582	7148741	1247825	---	---	---	1,56	up
6169588	7108062	1147192	---	---	---	3,04	up
6169761	7128921	1198509	---	---	---	1,11	up
6169927	7147809	1245469	---	---	---	1,05	down
6169989	7202837	1382308	---	---	---	1,14	down
6170022	7131718	1205741	---	---	---	1,15	up
6170074	7213908	1407670	---	---	---	1,03	up
6170105	7040442	986507	---	---	---	1,35	down
6170158	7103420	1136178	---	---	---	1,81	up
6170218	7073677	1065164	---	---	---	1,24	down
6170311	7047524	1004665	---	---	---	1,22	up
6170319	7115507	1165985	---	---	---	1,16	up
6170427	7217650	1417171	---	---	---	1,13	up
6170539	7096461	1118261	---	---	---	1,01	up
6170876	7193056	1358274	---	---	---	1,06	down
6170881	7052813	1015929	---	---	---	1,42	up
6170914	7322260	1677072	---	---	---	2,05	down
6170920	7064468	1042373	---	---	---	1,51	down
6170987	7380497	1821842	---	---	---	1,28	up
6171005	7063716	1040136	---	---	---	1,22	up
6171013	7041319	988753	---	---	---	1,40	down
6171060	7369141	1793315	---	---	---	2,11	down
6171067	7180243	1325516	---	---	---	1,23	down
6171096	7087965	1098051	---	---	---	1,05	down
6171134	7183182	1333568	---	---	---	1,57	down
6171181	7126658	1193164	---	---	---	1,77	up

6171241	7236131	1463791	---	---	---	1,09	up
6171250	7307424	1641137	---	---	---	1,43	down
6171291	7341989	1725052	---	---	---	1,35	down
6171293	7070668	1057889	---	---	---	1,08	up
6171451	7039223	983560	---	---	---	1,63	up
6171575	7317708	1666835	---	---	---	1,06	up
6171679	7113261	1160480	---	---	---	1,13	down
6171698	7380497	1821874	---	---	---	1,09	down
6171705	7341038	1722658	---	---	---	1,28	up
6171719	7359361	1768262	---	---	---	1,13	up
6171738	7196029	1365624	---	---	---	1,02	up
6171790	7093936	1112480	---	---	---	1,03	down
6171888	7171091	1302465	---	---	---	1,01	up
6171945	7232709	1454526	---	---	---	1,05	down
6171953	7374324	1807493	---	---	---	1,25	down
6171962	7071969	1060904	---	---	---	2,38	down
6172002	7210702	1400724	---	---	---	1,28	up
6172015	7275927	1562409	---	---	---	1,06	up
6172029	7330623	1696959	---	---	---	1,18	down
6172076	7028624	958003	---	---	---	1,19	down
6172101	7112355	1158067	---	---	---	1,15	up
6172184	7344702	1732143	---	---	---	1,27	down
6172198	7303191	1629963	---	---	---	1,07	up
6172203	7360486	1770935	---	---	---	1,41	down
6172247	7076236	1071190	---	---	---	1,29	down
6172257	7096924	1119623	---	---	---	1,98	down
6172292	7030549	961790	---	---	---	1,02	up
6172294	7344380	1731117	---	---	---	1,00	up
6172347	7092549	1109118	---	---	---	1,34	up
6172428	7198087	1370688	---	---	---	1,11	down
6172440	7340757	1721903	---	---	---	1,02	up
6172453	7227433	1440959	---	---	---	1,10	down
6172519	7172373	1305576	---	---	---	1,15	down
6172527	7330731	1697192	---	---	---	1,08	up
6172557	7181193	1328305	---	---	---	1,15	down
6172561	7148978	1248538	---	---	---	1,02	down
6172757	7207069	1392015	---	---	---	1,27	up
6172805	7146542	1242278	---	---	---	1,01	up
6172976	7376566	1812848	---	---	---	1,20	down
6173069	7344702	1732140	---	---	---	1,31	down
6173169	7034293	971945	---	---	---	1,92	up
6173172	7028624	957998	---	---	---	1,05	up
6173188	7168403	1295585	---	---	---	1,13	down
6173242	7340057	1720327	---	---	---	1,37	up
6173261	7279810	1572590	---	---	---	1,72	down
6173415	7142081	1230973	---	---	---	1,22	down
6173468	7255911	1512223	---	---	---	1,63	up
6173494	7100523	1128906	---	---	---	1,47	down
6173510	7181001	1327592	---	---	---	1,08	down
6173526	7110401	1153052	---	---	---	2,43	up
6173530	7243647	1482485	---	---	---	1,10	up
6173570	7257893	1517484	---	---	---	1,50	up
6173661	7337425	1713151	---	---	---	1,11	down
6173663	7111361	1155593	---	---	---	1,28	down
6173777	7373678	1805858	---	---	---	1,02	up
6173883	7071969	1060899	---	---	---	1,42	up
6173926	7132125	1206614	---	---	---	1,36	down

6174000	7056333	1023698	---	---	---	1,58	up
6174006	7289382	1595193	---	---	---	1,03	up
6174159	7182739	1332594	---	---	---	1,09	up
6174163	7365183	1781900	---	---	---	1,22	up
6174202	7248790	1494494	---	---	---	1,04	down
6174209	7237814	1467823	---	---	---	1,21	up
6174224	7363529	1777916	---	---	---	1,32	up
6174282	7039223	983565	---	---	---	1,31	down
6174295	7044906	998142	---	---	---	1,62	up
6174363	7261019	1525279	---	---	---	1,47	down
6174422	7349313	1743119	---	---	---	1,56	down
6174493	7207971	1394326	---	---	---	3,19	down
6174556	7130917	1203940	---	---	---	1,03	up
6174576	7355138	1757792	---	---	---	1,40	down
6174607	7075460	1069389	---	---	---	1,64	down
6174645	7355044	1757449	---	---	---	2,01	down
6174686	7333462	1703640	---	---	---	1,42	up
6174703	7231137	1450206	---	---	---	1,38	up
6174710	7238202	1468947	---	---	---	1,20	up
6174742	7127540	1195283	---	---	---	1,01	down
6174768	7281924	1577750	---	---	---	1,06	down
6174826	7155116	1263436	---	---	---	1,90	up
6174884	7264653	1534036	---	---	---	1,62	down
6174889	7052813	1015939	---	---	---	1,32	up
6174904	7105066	1140367	---	---	---	1,62	down
6174991	7281577	1576887	---	---	---	1,44	up
6175042	7150047	1250768	---	---	---	1,19	up
6175145	7072765	1062734	---	---	---	1,09	up
6175167	7217434	1416387	---	---	---	1,03	up
6175191	7326612	1687204	---	---	---	1,12	up
6175286	7069464	1054669	---	---	---	2,71	up
6175323	7321029	1674812	---	---	---	1,08	up
6175351	7095041	1115194	---	---	---	1,06	down
6175383	7200129	1375995	---	---	---	1,35	up
6175429	7329135	1693499	---	---	---	1,28	down
6175437	7240569	1475464	---	---	---	1,37	down
6175458	7372840	1803754	---	---	---	1,03	down
6175492	7190524	1351184	---	---	---	1,14	down
6175519	7205216	1387721	---	---	---	2,09	up
6175609	7067670	1050301	---	---	---	1,43	up
6175763	7104920	1140071	---	---	---	1,02	down
6175956	7261580	1526810	---	---	---	1,21	down
6176039	7312569	1653344	---	---	---	1,04	down
6176063	7117951	1172086	---	---	---	1,16	down
6176243	7257038	1515284	---	---	---	1,02	up
6176265	7228530	1443789	---	---	---	1,45	up
6176452	7384073	1829465	---	---	---	1,25	up
6176476	7112672	1158977	---	---	---	1,71	up
6176499	7143455	1234737	---	---	---	1,03	up
6176577	7043515	994013	---	---	---	1,81	down
6176583	7093806	1112152	---	---	---	1,91	down
6176626	7067828	1050799	---	---	---	1,07	up
6176656	7058713	1028659	---	---	---	1,22	down
6176715	7286807	1588843	---	---	---	1,25	up
6176720	7027797	956311	---	---	---	1,61	down
6176732	7071264	1059362	---	---	---	1,36	down
6176783	7069721	1055305	---	---	---	1,26	up

6176802	7207093	1392087	---	---	---	1,10	up
6176951	7341243	1723214	---	---	---	1,51	down
6176953	7247907	1492242	---	---	---	1,05	up
6177101	7374324	1807461	---	---	---	1,39	down
6177105	7156978	1268179	---	---	---	1,42	up
6177150	7071292	1059448	---	---	---	1,20	up
6177204	7355044	1757441	---	---	---	1,45	down
6177322	7248790	1494486	---	---	---	1,21	up
6177352	7154655	1262315	---	---	---	1,85	up
6177370	7059766	1030976	---	---	---	1,20	up
6177507	7252877	1504705	---	---	---	1,09	up
6177552	7070511	1057477	---	---	---	1,81	down
6177616	7180598	1326334	---	---	---	1,08	down
6177619	7033504	969867	---	---	---	1,09	up
6177655	7098867	1124935	---	---	---	1,42	down
6177742	7115362	1165601	---	---	---	1,79	down
6177747	7048014	1005633	---	---	---	2,63	up
6177847	7143381	1234481	---	---	---	1,21	down
6178015	7065640	1045203	---	---	---	1,21	down
6178061	7344530	1731559	---	---	---	1,11	up
6178272	7294911	1608534	---	---	---	1,09	up
6178285	7243628	1482364	---	---	---	1,08	up
6178351	7353287	1753025	---	---	---	1,03	down
6178384	7231775	1452131	---	---	---	1,11	up
6178396	7307473	1641268	---	---	---	1,28	down
6178419	7337425	1713191	---	---	---	1,47	up
6178435	7333487	1703677	---	---	---	1,62	up
6178455	7368815	1792309	---	---	---	1,29	up
6178496	7252728	1504326	---	---	---	1,30	up
6178520	7255517	1511347	---	---	---	1,05	down
6178537	7353232	1752826	---	---	---	1,79	down
6178609	7384509	1830727	---	---	---	1,05	down
6178614	7168521	1295980	---	---	---	1,77	down
6178630	7341038	1722686	---	---	---	1,00	down
6178632	7243647	1482439	---	---	---	1,22	up
6178637	7340673	1721692	---	---	---	2,12	up
6178688	7297589	1615644	---	---	---	1,38	up
6178783	7117951	1172094	---	---	---	1,05	up
6178926	7106752	1144059	---	---	---	1,81	up
6178939	7286807	1588805	---	---	---	1,16	up
6179042	7364346	1779999	---	---	---	2,42	up
6179062	7128704	1198021	---	---	---	1,09	up
6179085	7193056	1358284	---	---	---	1,02	up
6179128	7194400	1361716	---	---	---	1,18	up
6179155	7318139	1668075	---	---	---	1,07	up
6179199	7141151	1228925	---	---	---	1,04	up
6179209	7344406	1731249	---	---	---	1,14	down
6179342	7209927	1398924	---	---	---	1,09	down
6179388	7065860	1045804	---	---	---	1,36	up
6179432	7237814	1467821	---	---	---	1,07	down
6179434	7217434	1416455	---	---	---	1,70	down
6179531	7356326	1760473	---	---	---	1,12	up
6179718	7139026	1223510	---	---	---	1,06	down
6179739	7121849	1181786	---	---	---	1,02	up
6179742	7227775	1441814	---	---	---	1,00	down
6179772	7272110	1553031	---	---	---	1,34	down
6179882	7234514	1459620	---	---	---	1,67	up

6179966	7244290	1484145	---	---	---	1,41	up
6180015	7361881	1773961	---	---	---	1,14	up
6180047	7127540	1195271	---	---	---	1,49	up
6180093	7344380	1731117	---	---	---	1,73	down
6180268	7039532	984425	---	---	---	1,05	up
6180315	7231775	1452135	---	---	---	1,11	up
6180358	7368489	1791035	---	---	---	1,06	up
6180397	7301843	1626461	---	---	---	1,06	down
6180436	7198087	1370716	---	---	---	1,38	up
6180455	7301296	1625003	---	---	---	1,17	down
6180465	7168439	1295689	---	---	---	1,05	up
6180493	7068259	1051593	---	---	---	1,16	up
6180793	7113483	1160994	---	---	---	1,46	up
6180795	7277719	1567069	---	---	---	1,54	up
6180824	7073950	1065936	---	---	---	1,27	up
6180840	7095041	1115164	---	---	---	1,57	up
6180895	7257441	1516295	---	---	---	1,46	up
6180941	7176368	1315583	---	---	---	1,82	down
6180957	7337425	1713221	---	---	---	1,04	down
6181013	7374313	1807387	---	---	---	1,10	down
6181084	7254209	1508007	---	---	---	1,55	up
6181368	7094008	1112618	---	---	---	1,03	down
6181399	7364346	1780015	---	---	---	1,05	down
6181681	7329846	1694992	---	---	---	1,63	up
6181715	7374324	1807535	---	---	---	1,20	down
6181747	7069462	1054608	---	---	---	2,82	down
6181756	7041584	989459	---	---	---	1,84	down
6181785	7112355	1158079	---	---	---	1,21	up
6181791	7180732	1326737	---	---	---	1,46	down
6181810	7371001	1798851	---	---	---	1,19	up
6181837	7286807	1588844	---	---	---	1,15	up
6181899	7259923	1522526	---	---	---	1,88	down
6182155	7207093	1392096	---	---	---	1,27	up
6182247	7144389	1236781	---	---	---	1,43	down
6182373	7312465	1653050	---	---	---	1,14	down
6182491	7217747	1417479	---	---	---	1,43	down
6182545	7233970	1458274	---	---	---	2,75	up
6182630	7312338	1652764	---	---	---	3,26	down
6182675	7377304	1814585	---	---	---	4,25	down
6182704	7231484	1451380	---	---	---	1,10	up
6182738	7171417	1303149	---	---	---	1,08	up
6182781	7234401	1459338	---	---	---	1,05	up
6182805	7339379	1718356	---	---	---	1,68	down
6182871	7356115	1760127	---	---	---	1,22	up
6183086	7120671	1178995	---	---	---	1,03	up
6183266	7089080	1101129	---	---	---	1,05	up
6183311	7039589	984510	---	---	---	1,35	down
6183316	7140365	1226760	---	---	---	1,44	up
6183325	7297274	1614657	---	---	---	1,33	down
6183347	7083355	1086921	---	---	---	1,12	up
6183478	7237132	1466111	---	---	---	1,44	up
6183546	7280743	1574523	---	---	---	2,59	down
6183554	7068942	1053377	---	---	---	1,52	down
6183605	7122131	1182668	---	---	---	1,68	down
6183815	7303722	1631713	---	---	---	1,05	up
6183828	7335637	1708472	---	---	---	1,38	down
6183849	7034356	972151	---	---	---	1,47	down

6183889	7369954	1795662	---	---	---	1,22	up
6183955	7337425	1713149	---	---	---	1,01	down
6184057	7217434	1416423	---	---	---	1,47	up
6184111	7031618	964206	---	---	---	1,17	up
6184140	7062233	1037240	---	---	---	1,03	up
6184206	7193403	1359192	---	---	---	1,62	down
6184226	7111427	1155773	---	---	---	1,72	down
6184298	7100210	1128152	---	---	---	1,58	down
6184319	7343250	1728046	---	---	---	1,10	down
6184373	7237711	1467432	---	---	---	1,34	down
6184421	7335903	1709266	---	---	---	2,77	up
6184451	7260553	1524109	---	---	---	2,06	down
6184459	7267204	1539856	---	---	---	1,04	up
6184465	7364346	1780003	---	---	---	1,02	down
6184478	7200545	1376896	---	---	---	2,13	up
6184524	7353232	1752707	---	---	---	1,17	down
6184551	7117813	1171713	---	---	---	1,05	up
6184603	7168521	1295943	---	---	---	1,80	down
6184674	7295410	1609794	---	---	---	1,05	down
6184837	7052385	1014796	---	---	---	1,05	up
6184945	7279568	1572001	---	---	---	1,51	up
6184950	7337425	1713207	---	---	---	1,12	down
6184983	7294911	1608535	---	---	---	1,17	down
6185044	7069603	1055050	---	---	---	1,12	up
6185136	7252339	1503272	---	---	---	1,29	up
6185203	7297274	1614644	---	---	---	1,45	down
6185204	7210702	1400724	---	---	---	1,00	up
6185226	7339379	1718361	---	---	---	1,51	down
6185236	7355138	1757755	---	---	---	1,16	down
6185290	7233513	1457172	---	---	---	1,18	down
6185499	7260488	1523922	---	---	---	1,54	down
6185535	7072332	1061647	---	---	---	2,40	up
6185540	7337224	1712548	---	---	---	1,17	down
6185546	7088164	1098467	---	---	---	1,65	up
6185663	7337425	1713175	---	---	---	1,71	up
6185675	7119845	1176895	---	---	---	1,04	down
6185676	7363768	1778601	---	---	---	1,17	up
6185687	7067406	1049591	---	---	---	1,01	down
6185695	7133484	1209942	---	---	---	1,10	up
6185737	7131372	1205038	---	---	---	1,08	down
6185801	7089952	1103315	---	---	---	2,31	up
6185952	7378997	1818651	---	---	---	1,05	down
6186020	7377304	1814581	---	---	---	1,04	down
6186211	7255911	1512223	---	---	---	1,25	up
6186271	7049184	1007926	---	---	---	1,15	up
6186440	7288077	1591978	---	---	---	1,31	up
6186666	7363529	1777941	---	---	---	1,23	up
6186698	7253408	1505953	---	---	---	1,37	up
6186722	7380878	1822559	---	---	---	1,22	up
6186724	7155116	1263398	---	---	---	1,54	up
6186744	7339834	1719545	---	---	---	1,28	down
6186802	7121849	1181764	---	---	---	1,10	up
6186898	7110401	1153077	---	---	---	1,26	up
6186909	7075445	1069340	---	---	---	2,04	up
6186916	7267204	1539855	---	---	---	1,31	up
6186950	7311648	1651374	---	---	---	1,30	down
6187070	7269911	1546908	---	---	---	1,00	up

6187086	7065860	1045802	---	---	---	1,08	down
6187163	7100523	1128844	---	---	---	1,95	up
6187207	7313841	1656717	---	---	---	1,10	up
6187226	7300392	1622754	---	---	---	1,08	up
6187291	7361881	1773952	---	---	---	1,18	up
6187322	7068995	1053630	---	---	---	2,06	down
6187365	7140365	1226756	---	---	---	1,06	up
6187653	7363529	1777895	---	---	---	1,34	down
6187692	7370853	1798411	---	---	---	1,10	up
6187809	7121849	1181816	---	---	---	1,06	down
6187839	7326612	1687195	---	---	---	1,05	down
6187841	7253088	1505120	---	---	---	1,49	up
6187862	7339379	1718336	---	---	---	1,19	up
6187978	7069721	1055293	---	---	---	1,14	down
6188109	7052385	1014780	---	---	---	1,07	down
6188120	7298920	1618828	---	---	---	1,41	down
6188134	7052338	1014664	---	---	---	1,61	down
6188240	7151063	1253072	---	---	---	1,12	down
6188270	7156052	1265759	---	---	---	1,17	up
6188285	7288077	1592007	---	---	---	1,29	down
6188311	7291853	1600977	---	---	---	1,79	down
6188364	7274780	1559230	---	---	---	1,16	down
6188374	7059309	1029926	---	---	---	1,09	up
6188378	7058713	1028664	---	---	---	1,11	down
6188411	7369712	1794827	---	---	---	1,12	up
6188518	7157189	1268638	---	---	---	2,15	down
6188571	7244287	1484066	---	---	---	1,63	down
6188624	7317204	1665395	---	---	---	1,15	up
6188627	7148978	1248498	---	---	---	1,23	down
6188710	7099294	1126104	---	---	---	1,52	down
6188717	7194400	1361733	---	---	---	1,37	up
6188858	7070836	1058362	---	---	---	1,29	down
6188917	7153895	1259917	---	---	---	1,10	down
6188927	7315206	1660029	---	---	---	1,23	up
6188969	7173706	1309270	---	---	---	1,21	up
6188983	7037495	979322	---	---	---	1,04	down
6189044	7033337	969487	---	---	---	1,39	down
6189060	7202837	1382306	---	---	---	1,09	up
6189126	7197056	1367835	---	---	---	1,14	down
6189341	7148741	1247829	---	---	---	1,15	up
6189511	7146982	1243294	---	---	---	1,01	up
6189561	7120671	1178999	---	---	---	1,03	down
6189570	7189184	1347606	---	---	---	1,32	down
6189576	7034356	972169	---	---	---	1,54	up
6189594	7116103	1167599	---	---	---	1,49	down
6189654	7360486	1771003	---	---	---	1,47	down
6189656	7330238	1695925	---	---	---	1,06	up
6189663	7086672	1094348	---	---	---	2,17	up
6189673	7366749	1785500	---	---	---	1,19	down
6189758	7293234	1604333	---	---	---	1,79	up
6189920	7297589	1615652	---	---	---	1,25	up
6189936	7341243	1723198	---	---	---	1,48	down
6189953	7040442	986564	---	---	---	1,32	up
6189981	7040442	986577	---	---	---	1,09	up
6189984	7071264	1059283	---	---	---	2,45	up
6189992	7086966	1095251	---	---	---	1,36	down
6190048	7289075	1594459	---	---	---	1,08	down

6190108	7231484	1451369	---	---	---	1,41	up
6190118	7082098	1084120	---	---	---	1,12	down
6190234	7067828	1050781	---	---	---	1,01	down
6190264	7086522	1093956	---	---	---	2,00	down
6190279	7092549	1109131	---	---	---	1,44	down
6190352	7345465	1733851	---	---	---	1,12	down
6190422	7138243	1221686	---	---	---	1,45	down
6190641	7088489	1099519	---	---	---	2,02	down
6190658	7127257	1194813	---	---	---	1,95	down
6190700	7068942	1053394	---	---	---	1,13	down
6190719	7053874	1018335	---	---	---	1,25	down
6190766	7069830	1055603	---	---	---	1,07	up
6190798	7291318	1599973	---	---	---	3,72	up
6190814	7102113	1132841	---	---	---	1,12	up
6190927	7068259	1051617	---	---	---	1,16	down
6191273	7367980	1789157	---	---	---	1,32	up
6191286	7384509	1830736	---	---	---	1,44	down
6191323	7169573	1298391	---	---	---	1,15	down
6191372	7381330	1823643	---	---	---	1,13	up
6191413	7065810	1045680	---	---	---	1,02	up
6191519	7160053	1275389	---	---	---	1,01	up
6191628	7034293	971995	---	---	---	1,08	down
6191692	7168439	1295664	---	---	---	1,02	down
6191709	7253272	1505701	---	---	---	1,05	down
6191713	7132020	1206320	---	---	---	1,41	up
6191731	7156052	1265772	---	---	---	1,13	down
6191749	7297274	1614660	---	---	---	1,21	up
6191839	7256789	1514637	---	---	---	1,27	up
6191856	7378997	1818661	---	---	---	1,05	up
6191939	7290793	1598625	---	---	---	1,22	down
6192051	7154655	1262318	---	---	---	1,15	down
6192093	7088625	1099864	---	---	---	1,19	down
6192349	7303191	1629958	---	---	---	1,05	up
6192361	7217679	1417309	---	---	---	1,02	up
6192388	7355138	1757745	---	---	---	1,47	down
6192397	7083030	1086269	---	---	---	1,27	up
6192407	7032618	967315	---	---	---	1,65	down
6192418	7115146	1164935	---	---	---	1,12	up
6192525	7253215	1505371	---	---	---	1,41	up
6192595	7318651	1669075	---	---	---	1,07	up
6192608	7156611	1267316	---	---	---	2,14	down
6192678	7141151	1228926	---	---	---	1,66	down
6192740	7243901	1483056	---	---	---	1,51	down
6192841	7350993	1747534	---	---	---	1,22	down
6192846	7341546	1723950	---	---	---	6,58	down
6192851	7243647	1482427	---	---	---	1,28	down
6192944	7148978	1248457	---	---	---	1,03	up
6192953	7186528	1341559	---	---	---	1,44	up
6192978	7336931	1711853	---	---	---	1,22	up
6193029	7240569	1475493	---	---	---	1,03	down
6193082	7295410	1609778	---	---	---	1,26	down
6193084	7084193	1089126	---	---	---	1,51	up
6193116	7155866	1265338	---	---	---	1,12	down
6193252	7341243	1723209	---	---	---	1,69	down
6193372	7337224	1712627	---	---	---	1,24	down
6193522	7067670	1050374	---	---	---	1,13	down
6193645	7142081	1230967	---	---	---	1,07	up

6193661	7186305	1341002	---	---	---	1,12	down
6193692	7069603	1055051	---	---	---	1,04	down
6193693	7069253	1054141	---	---	---	1,72	down
6193705	7142081	1230954	---	---	---	1,03	down
6193752	7299650	1620957	---	---	---	1,01	up
6193865	7259923	1522532	---	---	---	1,02	down
6194049	7281924	1577718	---	---	---	1,03	up
6194098	7244288	1484094	---	---	---	1,81	up
6194124	7286613	1588469	---	---	---	1,28	down
6194150	7062233	1037192	---	---	---	1,18	down
6194273	7143988	1235961	---	---	---	1,99	down
6194286	7217434	1416419	---	---	---	1,16	down
6194370	7076236	1071196	---	---	---	1,08	down
6194444	7031774	964652	---	---	---	1,28	up
6194518	7270397	1548130	---	---	---	1,62	down
6194561	7292701	1602969	---	---	---	1,20	up
6194598	7080563	1080713	---	---	---	1,30	down
6194620	7169599	1298446	---	---	---	1,02	up
6194690	7034747	973191	---	---	---	1,21	down
6194865	7234040	1458505	---	---	---	1,10	up
6194922	7321029	1674818	---	---	---	1,12	down
6194961	7239939	1473798	---	---	---	2,10	up
6195035	7353232	1752686	---	---	---	1,11	up
6195045	7149817	1250304	---	---	---	2,20	up
6195106	7255120	1510371	---	---	---	1,19	down
6195124	7289069	1594393	---	---	---	1,30	up
6195179	7105066	1140367	---	---	---	1,18	down
6195202	7244290	1484145	---	---	---	1,16	up
6195287	7110401	1153076	---	---	---	1,05	down
6195336	7212587	1404653	---	---	---	1,36	down
6195417	7293922	1605958	---	---	---	1,16	up
6195468	7073928	1065816	---	---	---	2,60	down
6195470	7088625	1099873	---	---	---	1,20	down
6195520	7351568	1748824	---	---	---	1,70	up
6195548	7133484	1209937	---	---	---	1,76	up
6195550	7339387	1718372	---	---	---	1,05	down
6195584	7288095	1592051	---	---	---	1,32	down
6195588	7306229	1638250	---	---	---	1,20	down
6195715	7142081	1230947	---	---	---	1,03	down
6195823	7210387	1400042	---	---	---	1,20	down
6195834	7299650	1620966	---	---	---	1,34	up
6195862	7380497	1821846	---	---	---	1,44	down
6196106	7248790	1494539	---	---	---	1,21	down
6196137	7313538	1655742	---	---	---	1,21	up
6196206	7068987	1053601	---	---	---	1,61	down
6196294	7160687	1277000	---	---	---	2,43	up
6196315	7056333	1023674	---	---	---	2,72	down
6196327	7146982	1243293	---	---	---	1,02	down
6196357	7090581	1104751	---	---	---	1,63	down
6196382	7070668	1057972	---	---	---	1,58	up
6196498	7087965	1098057	---	---	---	2,16	down
6196533	7243901	1483038	---	---	---	1,03	up
6196585	7096461	1118263	---	---	---	2,16	down
6196644	7350489	1746111	---	---	---	1,07	up
6196659	7093255	1110763	---	---	---	1,24	down
6196674	7228656	1444244	---	---	---	1,19	down
6196691	7257441	1516308	---	---	---	1,64	down

6196751	7168521	1295969	---	---	---	1,00	down
6196929	7204442	1386084	---	---	---	1,02	up
6197002	7093806	1112148	---	---	---	1,51	down
6197081	7371753	1800970	---	---	---	1,97	down
6197082	7355580	1758879	---	---	---	1,09	down
6197097	7057277	1025523	---	---	---	2,13	up
6197151	7155866	1265330	---	---	---	1,18	down
6197153	7044906	998149	---	---	---	1,08	down
6197168	7243647	1482474	---	---	---	1,09	down
6197212	7086966	1095241	---	---	---	1,51	up
6197289	7380497	1821830	---	---	---	1,47	down
6197349	7148741	1247830	---	---	---	1,21	down
6197368	7249917	1497394	---	---	---	1,31	down
6197429	7383823	1828936	---	---	---	1,49	down
6197525	7069830	1055628	---	---	---	1,29	down
6197537	7220618	1424435	---	---	---	1,02	down
6197547	7217679	1417314	---	---	---	1,32	up
6197836	7059766	1030973	---	---	---	1,19	up
6197896	7166867	1291296	---	---	---	1,08	up
6197903	7059648	1030676	---	---	---	1,37	up
6197919	7381330	1823648	---	---	---	1,52	down
6198037	7256789	1514645	---	---	---	1,02	down
6198052	7320998	1674735	---	---	---	1,54	down
6198088	7360325	1770499	---	---	---	1,03	down
6198156	7353287	1753015	---	---	---	1,01	up
6198234	7245874	1487588	---	---	---	1,09	down
6198328	7067670	1050373	---	---	---	1,74	down
6198401	7174114	1310424	---	---	---	1,28	up
6198533	7127257	1194802	---	---	---	1,46	down
6198538	7274780	1559212	---	---	---	1,15	up
6198541	7207971	1394320	---	---	---	1,20	down
6198555	7034356	972172	---	---	---	1,35	down
6198623	7225317	1435356	---	---	---	1,14	up
6198645	7227474	1441155	---	---	---	1,11	down
6198653	7092549	1109201	---	---	---	1,88	up
6198668	7240569	1475320	---	---	---	1,61	up
6198670	7346505	1736289	---	---	---	1,24	down
6198732	7069830	1055656	---	---	---	1,08	up
6198804	7198087	1370637	---	---	---	1,33	up
6198826	7072225	1061405	---	---	---	1,09	up
6198881	7288170	1592319	---	---	---	1,15	down
6198901	7148741	1247828	---	---	---	1,11	up
6198936	7180151	1325200	---	---	---	1,00	up
6198951	7263222	1530537	---	---	---	1,09	down
6199107	7253088	1505124	---	---	---	1,75	up
6199221	7157189	1268634	---	---	---	1,16	down
6199222	7280743	1574535	---	---	---	1,02	down
6199273	7247954	1492393	---	---	---	1,60	up
6199309	7358859	1767015	---	---	---	1,43	up
6199335	7237672	1467308	---	---	---	1,15	up
6199401	7038153	981158	---	---	---	1,25	up
6199464	7029306	959282	---	---	---	1,13	down
6199740	7100523	1128918	---	---	---	2,68	down
6199804	7252051	1502480	---	---	---	1,14	up
6199911	7056304	1023537	---	---	---	1,27	up
6199962	7320735	1674179	---	---	---	1,05	down
6200007	7330582	1696864	---	---	---	1,10	up

6200073	7237814	1467828	---	---	---	1,46	up
6200213	7101643	1131574	---	---	---	1,02	down
6200255	7377791	1815988	---	---	---	1,09	down
6200267	7173640	1308971	---	---	---	1,19	down
6200269	7195680	1364901	---	---	---	1,47	up
6200340	7325643	1685175	---	---	---	2,25	up
6200422	7288077	1592010	---	---	---	1,23	up
6200512	7301198	1624741	---	---	---	1,06	down
6200544	7313841	1656729	---	---	---	1,33	up
6200651	7050716	1011229	---	---	---	1,02	down
6200676	7093752	1111998	---	---	---	1,06	up
6200709	7286613	1588472	---	---	---	1,09	up
6200725	7071659	1060235	---	---	---	1,71	down
6200742	7039725	984818	---	---	---	1,65	up
6200864	7192902	1357765	---	---	---	1,43	down
6200887	7255911	1512210	---	---	---	1,06	up
6201047	7279568	1572020	---	---	---	1,19	down
6201083	7337224	1712556	---	---	---	1,02	down
6201101	7113483	1161023	---	---	---	1,07	down
6201199	7198210	1370979	---	---	---	1,00	up
6201213	7070668	1057974	---	---	---	1,10	down
6201415	7069721	1055309	---	---	---	1,00	down
6201452	7221855	1427254	---	---	---	2,62	down
6201465	7059766	1030979	---	---	---	1,36	down
6201468	7039532	984434	---	---	---	1,45	up
6201471	7279810	1572589	---	---	---	1,18	up
6201478	7150348	1251381	---	---	---	1,64	up
6201548	7268694	1544226	---	---	---	1,46	up
6201578	7282927	1579995	---	---	---	1,20	up
6201666	7274892	1559571	---	---	---	1,33	down
6201705	7367943	1788928	---	---	---	1,42	up
6201744	7337845	1714347	---	---	---	1,10	up
6201817	7367952	1789010	---	---	---	1,32	up
6201892	7089080	1101165	---	---	---	1,00	down
6201936	7134776	1212976	---	---	---	1,48	down
6202066	7087965	1098051	---	---	---	1,19	down
6202071	7254040	1507590	---	---	---	1,08	down
6202096	7117813	1171700	---	---	---	1,50	up
6202125	7240224	1474390	---	---	---	1,43	up
6202143	7166867	1291368	---	---	---	1,19	down
6202168	7168439	1295704	---	---	---	1,48	down
6202258	7217747	1417493	---	---	---	1,30	up
6202306	7252513	1503830	---	---	---	1,05	down
6202357	7069830	1055589	---	---	---	1,07	down
6202430	7279793	1572538	---	---	---	1,04	up
6202534	7029078	958879	---	---	---	1,11	down
6202665	7213945	1407853	---	---	---	1,29	down
6202701	7073677	1065169	---	---	---	1,59	down
6202756	7256070	1512588	---	---	---	1,06	down
6202795	7176275	1315357	---	---	---	1,18	up
6202823	7150348	1251434	---	---	---	2,00	down
6202890	7344406	1731194	---	---	---	1,48	down
6202960	7330731	1697162	---	---	---	1,05	down
6202980	7186240	1340823	---	---	---	1,03	down
6203246	7171417	1303153	---	---	---	1,10	down
6203481	7266778	1538857	---	---	---	1,33	up
6203573	7240569	1475379	---	---	---	1,18	up

6203648	7243647	1482427	---	---	---	1,09	up
6203846	7355138	1757761	---	---	---	1,54	up
6203865	7088164	1098490	---	---	---	1,40	down
6203903	7278794	1570049	---	---	---	1,31	down
6203955	7374324	1807524	---	---	---	1,06	up
6204010	7073609	1064861	---	---	---	1,52	down
6204096	7365183	1781905	---	---	---	1,18	down
6204142	7246548	1489158	---	---	---	1,75	down
6204155	7381330	1823636	---	---	---	1,36	down
6204169	7297589	1615660	---	---	---	1,08	up
6204222	7059971	1031470	---	---	---	1,02	up
6204327	7152915	1257491	---	---	---	1,17	up
6204447	7350993	1747518	---	---	---	1,07	up
6204565	7096589	1118504	---	---	---	1,77	down
6204569	7031774	964724	---	---	---	1,42	up
6204629	7270397	1548127	---	---	---	1,90	down
6204632	7092549	1109176	---	---	---	1,08	up
6204672	7066035	1046198	---	---	---	1,03	down
6204711	7279568	1572023	---	---	---	1,35	down
6204726	7244287	1484048	---	---	---	1,16	up
6204825	7084716	1090121	---	---	---	2,11	down
6204926	7326612	1687189	---	---	---	1,23	down
6205034	7148978	1248494	---	---	---	1,17	up
6205039	7328985	1693159	---	---	---	1,00	down
6205043	7375937	1811355	---	---	---	1,05	down
6205046	7068987	1053592	---	---	---	2,21	down
6205056	7364346	1780020	---	---	---	1,66	up
6205105	7039532	984441	---	---	---	2,54	down
6205136	7253272	1505699	---	---	---	1,08	up
6205244	7181442	1328882	---	---	---	1,73	down
6205261	7339379	1718335	---	---	---	1,35	up
6205346	7303635	1631451	---	---	---	1,03	up
6205409	7255911	1512228	---	---	---	1,03	down
6205451	7252339	1503273	---	---	---	1,16	down
6205554	7033006	968471	---	---	---	1,31	down
6205642	7112566	1158636	---	---	---	1,00	up
6205646	7146872	1242899	---	---	---	1,01	down
6205647	7202749	1382103	---	---	---	1,15	up
6205675	7065860	1045797	---	---	---	1,18	down
6205771	7344713	1732185	---	---	---	1,10	up
6205800	7095066	1115278	---	---	---	2,31	up
6205817	7133360	1209595	---	---	---	2,99	up
6205830	7298101	1617080	---	---	---	1,65	down
6205850	7128704	1198018	---	---	---	1,29	up
6205996	7340057	1720323	---	---	---	1,43	down
6206040	7142081	1230980	---	---	---	1,07	down
6206090	7243627	1482359	---	---	---	1,31	up
6206181	7041584	989463	---	---	---	1,81	up
6206198	7155116	1263388	---	---	---	1,19	down
6206348	7240569	1475488	---	---	---	1,04	up
6206361	7205750	1388930	---	---	---	1,80	down
6206503	7180732	1326719	---	---	---	1,31	down
6206561	7336931	1711856	---	---	---	1,05	up
6206650	7303722	1631715	---	---	---	1,26	down
6206690	7098411	1123710	---	---	---	1,13	up
6206749	7095868	1116798	---	---	---	1,34	down
6206808	7217747	1417472	---	---	---	1,09	up

6206920	7116103	1167605	---	---	---	2,01	up
6207085	7071969	1060902	---	---	---	1,41	down
6207093	7378637	1817830	---	---	---	1,76	down
6207152	7318714	1669226	---	---	---	1,25	down
6207168	7221256	1425881	---	---	---	1,10	up
6207173	7263248	1530614	---	---	---	1,14	up
6207179	7203041	1382731	---	---	---	3,68	down
6207260	7325643	1685176	---	---	---	1,05	down
6207349	7273251	1555948	---	---	---	2,19	up
6207369	7162177	1280578	---	---	---	1,14	down
6207405	7267802	1541849	---	---	---	1,42	down
6207481	7053874	1018337	---	---	---	1,20	down
6207511	7071292	1059431	---	---	---	1,29	down
6207522	7297589	1615609	---	---	---	1,00	up
6207526	7185315	1338590	---	---	---	1,30	down
6207532	7059971	1031470	---	---	---	1,20	down
6207688	7131766	1205865	---	---	---	2,93	down
6207698	7326271	1686478	---	---	---	1,17	down
6207699	7363674	1778421	---	---	---	1,07	down
6207841	7095021	1115128	---	---	---	1,20	down
6207853	7332059	1700730	---	---	---	1,01	down
6207987	7118503	1173581	---	---	---	1,00	up
6208010	7142321	1231519	---	---	---	1,03	down
6208026	7093936	1112479	---	---	---	1,13	up
6208086	7100210	1128138	---	---	---	1,30	down
6208141	7376566	1812880	---	---	---	1,62	down
6208178	7343279	1728114	---	---	---	1,50	up
6208210	7281924	1577711	---	---	---	1,03	up
6208367	7321029	1674811	---	---	---	1,35	up
6208394	7132125	1206600	---	---	---	1,04	down
6208400	7302860	1629008	---	---	---	1,50	up
6208426	7298920	1618823	---	---	---	2,02	up
6208441	7294738	1607995	---	---	---	2,07	down
6208466	7234040	1458505	---	---	---	1,35	down
6208479	7298101	1617009	---	---	---	1,35	down
6208530	7222236	1428136	---	---	---	1,55	up
6208610	7056333	1023673	---	---	---	1,21	up
6208639	7098867	1124956	---	---	---	1,14	up
6208776	7208784	1396157	---	---	---	1,12	down
6208794	7337224	1712592	---	---	---	1,98	up
6208874	7262570	1528988	---	---	---	1,26	down
6208885	7101258	1130571	---	---	---	1,17	up
6208898	7120427	1178426	---	---	---	1,23	down
6208981	7167325	1292547	---	---	---	1,02	up
6209026	7227433	1440972	---	---	---	1,55	up
6209065	7373420	1805135	---	---	---	2,19	down
6209077	7190524	1351187	---	---	---	1,22	up
6209171	7148741	1247831	---	---	---	1,00	up
6209263	7115507	1165983	---	---	---	1,05	up
6209264	7100523	1128854	---	---	---	1,84	down
6209307	7146872	1242902	---	---	---	1,11	up
6209333	7073609	1064861	---	---	---	1,90	up
6209392	7267802	1541741	---	---	---	1,41	down
6209589	7288284	1592645	---	---	---	1,37	down
6209592	7300392	1622758	---	---	---	1,15	up
6209713	7102369	1133411	---	---	---	1,05	down
6209781	7286807	1588799	---	---	---	1,19	up

6209828	7113085	1160004	---	---	---	1,10	down
6209901	7107926	1146841	---	---	---	1,31	down
6209922	7068259	1051598	---	---	---	1,35	up
6209942	7308679	1644251	---	---	---	3,44	down
6209961	7108434	1148313	---	---	---	1,14	down
6210027	7035525	974781	---	---	---	1,21	down
6210039	7143455	1234721	---	---	---	1,17	down
6210164	7060896	1033617	---	---	---	1,46	up
6210224	7280743	1574493	---	---	---	1,63	up
6210253	7261580	1526812	---	---	---	1,03	down
6210312	7146093	1240932	---	---	---	1,53	up
6210438	7097454	1120881	---	---	---	1,14	up
6210495	7384509	1830731	---	---	---	1,11	up
6210565	7181001	1327621	---	---	---	1,09	down
6210596	7383823	1828933	---	---	---	1,13	down
6210678	7139824	1225320	---	---	---	1,10	down
6210870	7208784	1396193	---	---	---	2,05	up
6210921	7319486	1670928	---	---	---	1,11	up
6210958	7358859	1767010	---	---	---	1,35	up
6211056	7363674	1778467	---	---	---	1,13	down
6211141	7368954	1792777	---	---	---	1,75	up
6211157	7216807	1414701	---	---	---	1,61	up
6211234	7231834	1452274	---	---	---	1,08	down
6211240	7279303	1571202	---	---	---	2,29	down
6211249	7110999	1154774	---	---	---	1,27	down
6211315	7297274	1614663	---	---	---	1,20	up
6211321	7280425	1573806	---	---	---	1,26	up
6211398	7198087	1370709	---	---	---	1,33	down
6211418	7128112	1196526	---	---	---	1,33	down
6211519	7219624	1422101	---	---	---	1,58	down
6211551	7330396	1696378	---	---	---	1,09	down
6211593	7171091	1302462	---	---	---	1,07	down
6211629	7052813	1015893	---	---	---	1,40	down
6211653	7360486	1770996	---	---	---	1,09	up
6211725	7324760	1683092	---	---	---	1,06	up
6211753	7380497	1821835	---	---	---	1,00	up
6211869	7254040	1507575	---	---	---	1,35	down
6211884	7118864	1174361	---	---	---	1,35	down
6211889	7264653	1534028	---	---	---	1,28	down
6211981	7131103	1204365	---	---	---	1,10	down
6212177	7252877	1504708	---	---	---	2,65	up
6212312	7069142	1053877	---	---	---	1,01	down
6212397	7286807	1588803	---	---	---	1,08	down
6212405	7075460	1069390	---	---	---	1,03	down
6212446	7181001	1327614	---	---	---	1,11	down
6212547	7060195	1031975	---	---	---	1,05	down
6212572	7353287	1753001	---	---	---	1,05	down
6212673	7116103	1167603	---	---	---	2,56	down
6212720	7350489	1746112	---	---	---	1,04	up
6212757	7321029	1674810	---	---	---	1,14	down
6213014	7093936	1112472	---	---	---	1,22	up
6213024	7162144	1280498	---	---	---	1,11	up
6213176	7196029	1365625	---	---	---	1,27	up
6213178	7340304	1720866	---	---	---	1,57	down
6213245	7209927	1398929	---	---	---	1,08	up
6213355	7256789	1514640	---	---	---	1,05	down
6213366	7065273	1044604	---	---	---	1,80	down

6213423	7197138	1368004	---	---	---	1,16	down
6213468	7156052	1265769	---	---	---	1,84	down
6213528	7189669	1348968	---	---	---	1,17	down
6213572	7154655	1262335	---	---	---	1,48	up
6213605	7344713	1732177	---	---	---	1,31	up
6213627	7282927	1580006	---	---	---	1,34	down
6213665	7128112	1196581	---	---	---	1,08	up
6213762	7344406	1731198	---	---	---	1,05	up
6213770	7092549	1109192	---	---	---	1,07	down
6213896	7281924	1577710	---	---	---	2,52	up
6213918	7092549	1109130	---	---	---	1,01	down
6213963	7339379	1718361	---	---	---	1,22	down
6213967	7266532	1538297	---	---	---	1,55	up
6214022	7030037	960717	---	---	---	1,17	up
6214143	7112566	1158631	---	---	---	1,65	down
6214236	7282927	1580013	---	---	---	1,39	down
6214300	7099573	1126736	---	---	---	1,58	down
6214305	7176362	1315499	---	---	---	1,11	up
6214321	7062233	1037243	---	---	---	1,00	up
6214383	7126400	1192525	---	---	---	1,08	down
6214393	7176368	1315571	---	---	---	1,32	down
6214420	7274780	1559223	---	---	---	1,68	down
6214489	7073854	1065621	---	---	---	1,65	up
6214612	7190524	1351171	---	---	---	1,28	down
6214629	7156611	1267339	---	---	---	1,15	down
6214712	7330731	1697188	---	---	---	1,14	down
6214935	7258455	1518738	---	---	---	2,17	up
6214960	7344406	1731205	---	---	---	1,15	up
6214969	7162144	1280499	---	---	---	1,27	up
6215064	7115362	1165600	---	---	---	1,50	down
6215106	7053874	1018306	---	---	---	1,11	up
6215138	7140365	1226763	---	---	---	1,02	up
6215161	7212698	1404871	---	---	---	1,80	up
6215216	7180732	1326735	---	---	---	1,14	up
6215254	7343052	1727508	---	---	---	1,98	up
6215262	7247512	1491192	---	---	---	1,41	down
6215333	7088625	1099861	---	---	---	2,06	down
6215413	7037235	978575	---	---	---	1,28	up
6215426	7194400	1361776	---	---	---	1,37	down
6215451	7380497	1821830	---	---	---	1,09	down
6215459	7232709	1454535	---	---	---	2,00	up
6215494	7166867	1291308	---	---	---	1,54	down
6215507	7373678	1805858	---	---	---	2,59	up
6215689	7100523	1128906	---	---	---	1,05	up
6215710	7083030	1086266	---	---	---	1,05	up
6215713	7334636	1706501	---	---	---	1,31	up
6215721	7191888	1354950	---	---	---	1,31	down
6215767	7064134	1041480	---	---	---	1,31	down
6215805	7383823	1828935	---	---	---	1,43	up
6215858	7184981	1337844	---	---	---	1,17	up
6215859	7154655	1262329	---	---	---	1,56	up
6215864	7089080	1101145	---	---	---	1,01	up
6215867	7052385	1014809	---	---	---	1,31	down
6215900	7070836	1058355	---	---	---	1,27	up
6215940	7337845	1714352	---	---	---	1,11	down
6215951	7193056	1358261	---	---	---	1,03	up
6216004	7320735	1674181	---	---	---	1,16	down

6216018	7125494	1190401	---	---	---	1,09	up
6216037	7068259	1051628	---	---	---	2,93	up
6216065	7186305	1341002	---	---	---	1,33	down
6216228	7321414	1675631	---	---	---	1,90	up
6216235	7133484	1209952	---	---	---	1,82	down
6216256	7235069	1460984	---	---	---	1,12	up
6216338	7237346	1466575	---	---	---	1,36	down
6216430	7280743	1574521	---	---	---	1,10	down
6216600	7059429	1030243	---	---	---	1,14	down
6216633	7073679	1065189	---	---	---	1,29	down
6216692	7337425	1713138	---	---	---	1,04	down
6216820	7033616	970211	---	---	---	1,01	up
6216901	7317204	1665392	---	---	---	1,29	up
6216964	7247230	1490571	---	---	---	1,10	up
6217017	7322388	1677320	---	---	---	1,16	down
6217075	7363674	1778440	---	---	---	1,03	up
6217099	7121849	1181800	---	---	---	1,21	up
6217132	7197400	1368811	---	---	---	2,79	down
6217136	7326271	1686468	---	---	---	1,23	up
6217240	7353997	1754710	---	---	---	1,06	up
6217327	7142416	1231800	---	---	---	2,18	up
6217366	7176456	1315831	---	---	---	1,22	down
6217411	7200545	1376932	---	---	---	1,45	up
6217592	7142917	1233168	---	---	---	1,13	down
6217724	7127801	1195882	---	---	---	1,18	up
6217754	7071648	1060196	---	---	---	2,57	down
6217836	7340304	1720852	---	---	---	2,37	up
6217888	7319627	1671267	---	---	---	1,21	up
6217984	7337224	1712560	---	---	---	1,02	up
6218007	7089080	1101140	---	---	---	1,01	up
6218037	7131372	1205021	---	---	---	1,61	up
6218048	7239939	1473799	---	---	---	1,02	down
6218107	7337250	1712728	---	---	---	1,17	down
6218115	7196233	1366098	---	---	---	1,79	up
6218277	7373678	1805870	---	---	---	1,35	down
6218312	7256191	1512886	---	---	---	1,28	up
6218393	7079238	1077817	---	---	---	1,70	up
6218628	7341646	1724198	---	---	---	2,50	down
6218912	7217650	1417203	---	---	---	1,13	up
6218929	7058507	1028302	---	---	---	1,09	down
6219107	7367946	1788964	---	---	---	1,10	down
6219182	7194400	1361731	---	---	---	1,08	down
6219244	7295410	1609684	---	---	---	1,05	down
6219262	7366749	1785523	---	---	---	3,20	down
6219295	7152915	1257483	---	---	---	1,73	up
6219354	7344702	1732141	---	---	---	1,46	down
6219370	7237940	1468183	---	---	---	1,24	up
6219396	7062233	1037193	---	---	---	1,07	up
6219515	7286807	1588809	---	---	---	1,09	up
6219532	7156052	1265772	---	---	---	1,27	up
6219582	7030224	961134	---	---	---	2,13	up
6219609	7309734	1646922	---	---	---	1,56	down
6219704	7118864	1174338	---	---	---	1,18	down
6219871	7339387	1718389	---	---	---	1,78	down
6219948	7235323	1461559	---	---	---	1,10	up
6220045	7264274	1533174	---	---	---	3,41	down
6220066	7190844	1352141	---	---	---	1,07	down

6220067	7292517	1602548	---	---	---	1,23	down
6220099	7030037	960706	---	---	---	1,09	up
6220103	7147213	1243826	---	---	---	1,00	up
6220161	7113261	1160478	---	---	---	1,02	up
6220383	7094158	1112984	---	---	---	1,88	down
6220412	7244027	1483293	---	---	---	1,19	up
6220414	7165954	1288769	---	---	---	1,07	down
6220434	7264797	1534420	---	---	---	1,17	down
6220457	7078605	1076359	---	---	---	2,74	down
6220524	7264653	1534027	---	---	---	1,39	down
6220534	7204917	1387127	---	---	---	1,24	up
6220541	7180598	1326324	---	---	---	1,28	up
6220654	7168979	1297200	---	---	---	1,13	down
6220670	7119179	1174971	---	---	---	1,14	up
6220674	7033504	969853	---	---	---	1,11	up
6220694	7031774	964662	---	---	---	1,38	up
6220735	7200152	1376051	---	---	---	1,61	down
6220754	7107926	1146847	---	---	---	1,15	up
6220797	7179785	1324498	---	---	---	1,36	up
6220829	7137646	1220438	---	---	---	1,39	down
6220830	7041140	988293	---	---	---	1,03	down
6220834	7344838	1732458	---	---	---	2,06	down
6220907	7100408	1128642	---	---	---	1,02	up
6221094	7032558	967060	---	---	---	1,45	up
6221165	7118864	1174324	---	---	---	1,53	down
6221178	7058507	1028301	---	---	---	1,01	down
6221258	7264653	1534049	---	---	---	1,27	down
6221294	7059648	1030673	---	---	---	1,01	down
6221338	7091962	1107747	---	---	---	1,57	up
6221343	7366749	1785521	---	---	---	1,25	down
6221447	7148741	1247874	---	---	---	1,00	up
6221462	7194540	1362120	---	---	---	1,75	up
6221463	7350993	1747517	---	---	---	1,11	down
6221490	7324760	1683093	---	---	---	1,01	up
6221651	7095960	1117069	---	---	---	1,03	down
6221664	7155882	1265361	---	---	---	1,07	down
6221668	7279303	1571206	---	---	---	3,06	down
6221693	7225213	1435125	---	---	---	2,60	down
6221766	7025310	949236	---	---	---	1,18	down
6221786	7095041	1115176	---	---	---	1,03	down
6221796	7213908	1407652	---	---	---	1,66	down
6221910	7279806	1572565	---	---	---	1,28	down
6221921	7139708	1225051	---	---	---	1,53	down
6221988	7252513	1503832	---	---	---	2,22	up
6222148	7247848	1492066	---	---	---	1,13	up
6222195	7356326	1760469	---	---	---	1,43	down
6222260	7364346	1779982	---	---	---	1,20	down
6222281	7106752	1144025	---	---	---	1,00	down
6222346	7384073	1829457	---	---	---	1,20	up
6222451	7274780	1559240	---	---	---	1,01	down
6222463	7219624	1422101	---	---	---	1,39	up
6222465	7257441	1516298	---	---	---	1,06	up
6222527	7359789	1769113	---	---	---	1,26	up
6222565	7231653	1451891	---	---	---	1,27	down
6222784	7257337	1515972	---	---	---	1,86	down
6222847	7371228	1799465	---	---	---	1,07	down
6222958	7166439	1290104	---	---	---	2,09	down

6222969	7062233	1037243	---	---	---	1,14	down
6223040	7297274	1614664	---	---	---	2,59	down
6223042	7050878	1011548	---	---	---	1,03	down
6223094	7143971	1235931	---	---	---	1,11	down
6223181	7148741	1247831	---	---	---	1,05	down
6223200	7118234	1172841	---	---	---	1,14	up
6223228	7207093	1392079	---	---	---	1,05	up
6223283	7210822	1400971	---	---	---	1,08	up
6223288	7341038	1722669	---	---	---	2,55	down
6223328	7364948	1781228	---	---	---	1,44	up
6223397	7340673	1721695	---	---	---	1,44	down
6223426	7337425	1713183	---	---	---	1,32	up
6223439	7166867	1291375	---	---	---	1,17	down
6223491	7027386	955088	---	---	---	1,20	down
6223656	7069142	1053875	---	---	---	2,24	down
6223670	7043515	994019	---	---	---	1,15	down
6223757	7307424	1641135	---	---	---	1,35	down
6223774	7369954	1795671	---	---	---	1,20	up
6223793	7101684	1131710	---	---	---	1,15	up
6223873	7309734	1646892	---	---	---	1,10	down
6223893	7341243	1723210	---	---	---	1,51	down
6224009	7083021	1086220	---	---	---	1,32	up
6224051	7222236	1428126	---	---	---	1,03	down
6224072	7074911	1068175	---	---	---	2,40	down
6224085	7038659	982163	---	---	---	1,44	down
6224238	7083030	1086245	---	---	---	1,54	down
6224327	7369400	1793984	---	---	---	2,36	up
6224357	7336854	1711686	---	---	---	1,19	down
6224406	7339732	1719213	---	---	---	1,01	up
6224476	7185315	1338604	---	---	---	1,13	up
6224501	7361881	1773913	---	---	---	1,22	down
6224512	7099573	1126732	---	---	---	1,11	down
6224532	7181001	1327601	---	---	---	1,16	up
6224666	7309734	1646914	---	---	---	1,19	up
6224712	7337425	1713141	---	---	---	1,16	down
6224732	7058149	1027304	---	---	---	1,45	up
6224787	7307473	1641298	---	---	---	1,40	down
6224865	7076236	1071185	---	---	---	1,05	up
6224896	7031774	964764	---	---	---	1,67	down
6224902	7100408	1128648	---	---	---	2,57	up
6224971	7238414	1469559	---	---	---	1,80	down
6224982	7340673	1721711	---	---	---	1,18	down
6224984	7369954	1795674	---	---	---	1,23	up
6224994	7341002	1722533	---	---	---	1,24	up
6225002	7337250	1712722	---	---	---	1,55	up
6225019	7168439	1295697	---	---	---	1,13	down
6225085	7340673	1721690	---	---	---	1,04	up
6225163	7195680	1364903	---	---	---	1,58	up
6225183	7315571	1661011	---	---	---	2,25	up
6225296	7351568	1748791	---	---	---	1,37	up
6225310	7339732	1719192	---	---	---	1,08	down
6225331	7139825	1225350	---	---	---	1,37	down
6225428	7374324	1807440	---	---	---	2,61	up
6225512	7107926	1146845	---	---	---	1,05	down
6225656	7209811	1398678	---	---	---	1,04	up
6225805	7288077	1592005	---	---	---	1,41	down
6225833	7210263	1399756	---	---	---	1,06	down

6225846	7289075	1594464	---	---	---	2,22	down
6225864	7350237	1745524	---	---	---	2,03	up
6225937	7243363	1481615	---	---	---	1,63	up
6225944	7109292	1150753	---	---	---	1,26	down
6226163	7334855	1706940	---	---	---	1,50	up
6226315	7363147	1777030	---	---	---	1,37	down
6226363	7097536	1121129	---	---	---	1,01	down
6226410	7239752	1473148	---	---	---	1,33	up
6226420	7349944	1744912	---	---	---	1,11	up
6226448	7345465	1733859	---	---	---	1,32	up
6226539	7065640	1045201	---	---	---	2,10	down
6226573	7167883	1294104	---	---	---	1,27	up
6226590	7088135	1098419	---	---	---	1,15	down
6226649	7170845	1301911	---	---	---	1,00	up
6226687	7248790	1494515	---	---	---	1,03	up
6226732	7039223	983555	---	---	---	1,16	up
6226852	7252051	1502510	---	---	---	1,38	down
6226876	7059506	1030401	---	---	---	1,19	up
6226998	7325643	1685179	---	---	---	1,05	down
6227134	7259807	1522248	---	---	---	1,12	down
6227245	7330396	1696379	---	---	---	2,38	down
6227261	7365183	1781905	---	---	---	1,09	up
6227262	7243253	1481232	---	---	---	1,08	up
6227284	7075445	1069347	---	---	---	1,48	down
6227363	7306330	1638558	---	---	---	1,35	down
6227365	7358859	1766997	---	---	---	1,01	down
6227400	7318286	1668335	---	---	---	1,32	down
6227438	7238252	1469220	---	---	---	1,04	down
6227448	7226109	1437383	---	---	---	1,77	up
6227504	7172373	1305584	---	---	---	1,62	up
6227666	7111361	1155602	---	---	---	1,09	down
6227678	7207069	1392010	---	---	---	1,18	up
6227728	7297589	1615647	---	---	---	1,17	down
6227761	7302787	1628893	---	---	---	1,14	up
6227763	7069721	1055282	---	---	---	1,07	down
6227795	7239303	1471969	---	---	---	1,23	up
6227840	7064468	1042368	---	---	---	1,57	up
6227970	7306229	1638245	---	---	---	1,19	down
6228071	7090581	1104782	---	---	---	1,34	up
6228178	7293234	1604356	---	---	---	1,28	down
6228186	7328833	1692793	---	---	---	1,05	down
6228199	7139708	1225051	---	---	---	1,14	up
6228204	7349313	1743122	---	---	---	1,15	up
6228240	7364346	1780015	---	---	---	1,16	down
6228250	7297589	1615687	---	---	---	1,40	down
6228347	7217679	1417291	---	---	---	1,43	down
6228352	7043379	993641	---	---	---	1,14	up
6228423	7092549	1109125	---	---	---	1,12	up
6228444	7341274	1723382	---	---	---	1,54	down
6228481	7118503	1173560	---	---	---	1,07	down
6228588	7363529	1777904	---	---	---	1,01	down
6228594	7116023	1167296	---	---	---	1,12	up
6228625	7088164	1098486	---	---	---	1,70	down
6228628	7368005	1789340	---	---	---	1,34	up
6228686	7244287	1484057	---	---	---	1,73	down
6228708	7350489	1746112	---	---	---	1,07	up
6228819	7213945	1407863	---	---	---	1,07	down

6228826	7059020	1029343	---	---	---	1,29	up
6228862	7284153	1583019	---	---	---	1,11	up
6228905	7269911	1546921	---	---	---	1,88	down
6228917	7079238	1077820	---	---	---	2,26	up
6228959	7038179	981262	---	---	---	1,09	up
6229033	7236492	1464552	---	---	---	1,12	up
6229048	7132024	1206338	---	---	---	2,50	up
6229051	7353232	1752769	---	---	---	1,15	up
6229080	7114274	1162813	---	---	---	1,40	up
6229092	7143455	1234719	---	---	---	1,14	up
6229098	7312161	1652463	---	---	---	1,34	up
6229197	7227474	1441148	---	---	---	1,48	up
6229333	7330238	1695926	---	---	---	1,02	up
6229382	7331413	1699129	---	---	---	1,78	down
6229518	7197138	1367998	---	---	---	1,10	down
6229526	7213908	1407648	---	---	---	1,36	up
6229530	7303777	1631908	---	---	---	1,17	up
6229561	7209811	1398677	---	---	---	1,97	down
6229574	7305275	1635846	---	---	---	1,30	down
6229610	7343250	1728036	---	---	---	1,29	up
6229683	7376820	1813403	---	---	---	1,68	up
6229744	7264808	1534474	---	---	---	1,25	down
6229824	7166867	1291330	---	---	---	1,07	up
6229944	7115507	1165976	---	---	---	1,16	up
6229949	7165954	1288770	---	---	---	1,43	down
6229950	7166439	1290095	---	---	---	1,84	up
6229961	7235794	1462891	---	---	---	1,15	down
6230120	7279793	1572532	---	---	---	1,30	up
6230136	7202837	1382308	---	---	---	2,65	down
6230172	7274892	1559575	---	---	---	1,10	up
6230228	7319486	1670927	---	---	---	1,13	up
6230230	7329136	1693552	---	---	---	1,21	down
6230258	7067670	1050316	---	---	---	2,58	up
6230266	7355755	1759320	---	---	---	1,01	up
6230556	7148741	1247860	---	---	---	1,17	down
6230640	7176275	1315336	---	---	---	1,46	up
6230713	7370853	1798412	---	---	---	1,04	down
6230842	7052385	1014777	---	---	---	1,00	up
6230896	7231484	1451364	---	---	---	1,17	up
6230918	7177180	1317778	---	---	---	1,22	down
6231124	7272110	1553031	---	---	---	1,55	up
6231202	7343279	1728115	---	---	---	1,31	up
6231209	7341274	1723379	---	---	---	1,17	down
6231248	7193513	1359467	---	---	---	1,30	down
6231273	7281924	1577715	---	---	---	1,19	up
6231320	7041609	989587	---	---	---	1,12	down
6231370	7110401	1153054	---	---	---	1,02	up
6231392	7061703	1035736	---	---	---	1,03	down
6231421	7234040	1458505	---	---	---	1,01	up
6231434	7247954	1492398	---	---	---	1,75	down
6231485	7249019	1495081	---	---	---	1,34	down
6231495	7116103	1167598	---	---	---	1,75	up
6231510	7115362	1165598	---	---	---	1,08	down
6231566	7056333	1023712	---	---	---	1,49	up
6231679	7071292	1059429	---	---	---	1,01	up
6231684	7060896	1033574	---	---	---	2,02	down
6231706	7141061	1228643	---	---	---	1,14	up

6231730	7267953	1542240	---	---	---	1,23	up
6231768	7258455	1518726	---	---	---	1,28	down
6231778	7384073	1829460	---	---	---	1,98	down
6231879	7069142	1053876	---	---	---	1,04	down
6232064	7212735	1405025	---	---	---	1,05	up
6232075	7055793	1022295	---	---	---	1,04	down
6232076	7292701	1602933	---	---	---	1,14	up
6232124	7234040	1458500	---	---	---	2,38	up
6232133	7056025	1022801	---	---	---	1,29	down
6232142	7137646	1220437	---	---	---	1,13	down
6232156	7131372	1205023	---	---	---	1,43	down
6232193	7059971	1031461	---	---	---	1,85	down
6232240	7132125	1206613	---	---	---	1,07	up
6232377	7188458	1345725	---	---	---	2,30	up
6232491	7169599	1298443	---	---	---	1,17	up
6232551	7354896	1756996	---	---	---	1,31	down
6232568	7216807	1414699	---	---	---	1,30	down
6232735	7267802	1541816	---	---	---	1,88	down
6232824	7326612	1687195	---	---	---	1,01	up
6232836	7373038	1804286	---	---	---	1,22	up
6232901	7208436	1395315	---	---	---	2,11	down
6232957	7128704	1198020	---	---	---	1,02	up
6233072	7376828	1813467	---	---	---	1,82	up
6233090	7355044	1757452	---	---	---	1,12	up
6233261	7337425	1713194	---	---	---	2,03	up
6233315	7092549	1109133	---	---	---	1,67	up
6233346	7160846	1277348	---	---	---	1,03	up
6233353	7128921	1198517	---	---	---	1,01	up
6233526	7033504	969861	---	---	---	1,96	down
6233566	7240569	1475491	---	---	---	1,16	down
6233644	7263805	1532176	---	---	---	1,09	up
6233648	7180732	1326719	---	---	---	1,17	down
6233657	7281924	1577721	---	---	---	1,25	up
6233798	7337425	1713161	---	---	---	1,25	down
6233844	7274892	1559569	---	---	---	1,78	up
6233882	7071264	1059363	---	---	---	1,66	down
6233917	7330181	1695694	---	---	---	1,06	down
6233932	7326612	1687202	---	---	---	1,22	down
6234049	7072765	1062740	---	---	---	1,26	down
6234160	7143455	1234714	---	---	---	1,05	down
6234193	7069142	1053876	---	---	---	1,09	up
6234251	7374324	1807529	---	---	---	1,10	down
6234348	7209927	1398923	---	---	---	1,28	down
6234578	7094158	1112982	---	---	---	1,32	up
6234581	7086966	1095272	---	---	---	1,02	up
6234589	7282927	1580005	---	---	---	1,06	up
6234604	7225213	1435124	---	---	---	1,11	up
6234636	7240569	1475497	---	---	---	1,26	up
6234676	7043515	994014	---	---	---	1,39	down
6234677	7330396	1696342	---	---	---	1,65	down
6234742	7186464	1341375	---	---	---	2,30	down
6234848	7189184	1347597	---	---	---	1,04	up
6234869	7284153	1583011	---	---	---	3,32	down
6234872	7355755	1759317	---	---	---	1,30	down
6234904	7119845	1176903	---	---	---	1,02	down
6235013	7341002	1722535	---	---	---	1,00	down
6235039	7140834	1228016	---	---	---	1,82	down

6235056	7288077	1591965	---	---	---	1,10	down
6235128	7068259	1051662	---	---	---	1,39	up
6235148	7231152	1450255	---	---	---	1,34	up
6235165	7148741	1247859	---	---	---	1,22	down
6235182	7217650	1417181	---	---	---	1,55	up
6235213	7329136	1693541	---	---	---	1,49	down
6235296	7168439	1295675	---	---	---	1,08	down
6235318	7253215	1505369	---	---	---	1,37	up
6235411	7320735	1674180	---	---	---	1,16	up
6235634	7141061	1228678	---	---	---	1,25	down
6235654	7317708	1666822	---	---	---	1,01	down
6235655	7061003	1033924	---	---	---	1,05	up
6235665	7364346	1779972	---	---	---	1,61	down
6235684	7188829	1346669	---	---	---	1,01	down
6235747	7184151	1335960	---	---	---	1,09	down
6235771	7369712	1794828	---	---	---	1,17	up
6235974	7278010	1568048	---	---	---	1,06	down
6236084	7180687	1326629	---	---	---	1,21	up
6236172	7027797	956287	---	---	---	1,03	down
6236269	7298101	1616970	---	---	---	1,07	up
6236300	7322260	1677066	---	---	---	1,12	down
6236345	7058149	1027307	---	---	---	1,06	down
6236354	7131805	1205917	---	---	---	1,04	up
6236380	7245874	1487590	---	---	---	1,17	up
6236400	7247334	1490819	---	---	---	1,10	up
6236462	7336050	1709754	---	---	---	1,47	down
6236552	7168979	1297175	---	---	---	2,58	down
6236614	7336931	1711872	---	---	---	2,07	down
6236623	7239939	1473790	---	---	---	1,27	up
6236645	7282927	1580015	---	---	---	1,67	up
6236687	7150348	1251398	---	---	---	1,26	down
6236754	7233178	1455904	---	---	---	1,04	up
6236814	7041609	989573	---	---	---	1,11	up
6236936	7180721	1326699	---	---	---	1,12	down
6236978	7322020	1676651	---	---	---	1,17	down
6237027	7176409	1315673	---	---	---	1,08	down
6237100	7229909	1447246	---	---	---	1,70	down
6237141	7201422	1379171	---	---	---	1,00	up
6237241	7196029	1365638	---	---	---	1,19	up
6237321	7328695	1692382	---	---	---	1,16	up
6237322	7258455	1518738	---	---	---	1,05	down
6237462	7374790	1808782	---	---	---	1,35	down
6237475	7079238	1077817	---	---	---	1,23	up
6237592	7295652	1610276	---	---	---	1,09	down
6237635	7252877	1504687	---	---	---	1,49	up
6237679	7260066	1522892	---	---	---	1,02	down
6237727	7118864	1174320	---	---	---	1,14	down
6237812	7174650	1311713	---	---	---	1,11	down
6237815	7337224	1712613	---	---	---	1,76	down
6237847	7344530	1731576	---	---	---	1,01	up
6237989	7162177	1280576	---	---	---	2,51	down
6238053	7227433	1440991	---	---	---	1,07	up
6238087	7033504	969843	---	---	---	1,04	down
6238141	7155286	1263909	---	---	---	3,27	up
6238164	7244287	1484049	---	---	---	1,01	down
6238252	7062233	1037248	---	---	---	1,03	up
6238431	7302787	1628887	---	---	---	1,31	down

6238458	7083030	1086253	---	---	---	1,13	up
6238549	7062436	1037699	---	---	---	1,68	down
6238552	7056736	1024421	---	---	---	1,11	up
6238580	7274780	1559229	---	---	---	1,79	down
6238653	7069603	1055053	---	---	---	1,12	down
6238781	7330238	1695953	---	---	---	1,20	down
6238812	7064468	1042369	---	---	---	1,03	down
6238843	7212587	1404641	---	---	---	1,14	up
6238852	7256070	1512580	---	---	---	1,68	down
6238955	7374324	1807523	---	---	---	1,21	down
6238967	7249015	1495051	---	---	---	2,32	down
6238990	7231484	1451386	---	---	---	1,01	down
6239138	7281877	1577541	---	---	---	1,20	down
6239350	7059917	1031330	---	---	---	1,24	down
6239465	7068504	1052165	---	---	---	1,53	down
6239493	7306680	1639576	---	---	---	1,17	down
6239495	7181286	1328461	---	---	---	1,13	up
6239506	7354935	1757102	---	---	---	1,12	up
6239581	7330396	1696346	---	---	---	1,23	up
6239616	7384179	1829780	---	---	---	1,01	down
6239667	7210713	1400753	---	---	---	1,10	up
6239714	7056333	1023709	---	---	---	1,77	up
6239802	7148741	1247864	---	---	---	1,41	up
6239803	7035525	974786	---	---	---	1,34	up
6239811	7086966	1095266	---	---	---	1,01	down
6239963	7244288	1484114	---	---	---	1,38	up
6240006	7233921	1458158	---	---	---	1,62	down
6240038	7100523	1128920	---	---	---	1,21	up
6240109	7268357	1543401	---	---	---	1,57	up
6240168	7303777	1631907	---	---	---	1,01	up
6240197	7295652	1610289	---	---	---	1,24	up
6240291	7279568	1572017	---	---	---	1,55	down
6240329	7142917	1233169	---	---	---	1,08	down
6240379	7231834	1452274	---	---	---	1,31	up
6240614	7142321	1231531	---	---	---	1,48	down
6240785	7122140	1182710	---	---	---	2,07	down
6240838	7060896	1033619	---	---	---	1,11	up
6240856	7278597	1569644	---	---	---	1,07	up
6240922	7208784	1396151	---	---	---	1,33	down
6240927	7059309	1029928	---	---	---	1,01	down
6240936	7330731	1697177	---	---	---	1,01	up
6241004	7336837	1711630	---	---	---	1,61	down
6241014	7042529	991593	---	---	---	1,50	up
6241051	7314620	1658517	---	---	---	1,28	up
6241218	7041140	988285	---	---	---	1,02	up
6241266	7096924	1119623	---	---	---	1,04	down
6241285	7378997	1818635	---	---	---	1,02	down
6241329	7252877	1504772	---	---	---	1,08	down
6241342	7261766	1527159	---	---	---	2,74	up
6241355	7238115	1468642	---	---	---	1,07	down
6241441	7146542	1242296	---	---	---	1,57	down
6241647	7167872	1294035	---	---	---	1,39	down
6241699	7312903	1654102	---	---	---	1,09	up
6241764	7298101	1616993	---	---	---	1,01	down
6241782	7339379	1718346	---	---	---	1,38	up
6242078	7032558	967064	---	---	---	1,01	down
6242152	7348924	1742186	---	---	---	1,05	down

6242183	7258323	1518472	---	---	---	11,92	down
6242199	7176275	1315335	---	---	---	1,01	up
6242209	7297589	1615592	---	---	---	1,14	down
6242418	7247848	1492073	---	---	---	1,31	up
6242454	7367969	1789094	---	---	---	1,58	up
6242485	7086966	1095287	---	---	---	1,28	up
6242516	7176275	1315339	---	---	---	1,25	up
6242542	7168439	1295690	---	---	---	1,03	up
6242545	7313538	1655736	---	---	---	1,07	up
6242584	7149817	1250309	---	---	---	1,35	down
6242597	7176275	1315349	---	---	---	1,93	up
6242672	7294686	1607848	---	---	---	1,21	down
6242684	7217650	1417200	---	---	---	1,54	down
6242891	7166867	1291298	---	---	---	1,03	down
6242969	7180243	1325505	---	---	---	1,32	down
6243091	7148978	1248553	---	---	---	1,81	down
6243103	7212587	1404644	---	---	---	1,29	down
6243125	7139708	1225063	---	---	---	1,09	up
6243212	7240569	1475494	---	---	---	1,07	down
6243226	7096924	1119614	---	---	---	1,92	up
6243238	7091439	1106620	---	---	---	1,39	up
6243295	7315206	1660014	---	---	---	1,47	up
6243333	7344838	1732459	---	---	---	1,06	down
6243551	7317088	1665058	---	---	---	1,65	down
6243582	7383102	1827394	---	---	---	1,38	up
6243590	7367990	1789220	---	---	---	1,55	down
6243632	7076236	1071238	---	---	---	1,04	down
6243719	7153136	1258023	---	---	---	2,40	up
6243777	7148741	1247836	---	---	---	1,33	up
6243799	7247907	1492242	---	---	---	1,28	up
6243840	7099573	1126739	---	---	---	1,29	up
6243843	7132125	1206618	---	---	---	1,18	up
6244026	7382499	1826256	---	---	---	1,09	down
6244057	7216970	1415122	---	---	---	1,43	up
6244073	7092549	1109128	---	---	---	1,58	down
6244086	7221168	1425625	---	---	---	1,12	down
6244309	7075460	1069400	---	---	---	1,13	down
6244311	7031293	963509	---	---	---	2,16	up
6244348	7038530	981878	---	---	---	1,07	up
6244351	7070511	1057452	---	---	---	1,84	down
6244452	7121849	1181810	---	---	---	1,00	up
6244474	7250511	1498640	---	---	---	1,25	down
6244591	7101643	1131565	---	---	---	1,13	down
6244732	7052176	1014220	---	---	---	1,15	up
6244735	7368804	1792265	---	---	---	1,82	down
6244813	7154655	1262344	---	---	---	1,11	up
6244870	7160846	1277347	---	---	---	1,85	down
6244910	7205944	1389482	---	---	---	1,32	down
6244990	7096924	1119608	---	---	---	1,21	up
6245045	7175946	1314644	---	---	---	1,45	down
6245109	7252877	1504704	---	---	---	1,22	down
6245128	7355044	1757439	---	---	---	1,40	down
6245310	7092549	1109161	---	---	---	1,15	up
6245412	7274585	1558795	---	---	---	1,16	up
6245547	7075460	1069392	---	---	---	2,21	up
6245564	7142416	1231800	---	---	---	2,01	up
6245625	7363674	1778432	---	---	---	1,02	up

6245653	7217434	1416412	---	---	---	1,18	down
6245698	7197820	1370087	---	---	---	1,36	down
6245765	7112355	1158064	---	---	---	1,12	up
6245773	7038659	982167	---	---	---	1,34	up
6245805	7131876	1206054	---	---	---	1,78	down
6245912	7359460	1768474	---	---	---	1,29	up
6245926	7292701	1602956	---	---	---	1,72	up
6246001	7049508	1008557	---	---	---	1,86	down
6246116	7260636	1524367	---	---	---	1,15	up
6246142	7280743	1574511	---	---	---	1,67	down
6246187	7252877	1504739	---	---	---	1,04	up
6246201	7326612	1687193	---	---	---	1,23	down
6246221	7353287	1753032	---	---	---	1,01	up
6246258	7280743	1574555	---	---	---	1,38	up
6246304	7082098	1084112	---	---	---	1,05	down
6246327	7040442	986512	---	---	---	1,89	up
6246328	7337425	1713150	---	---	---	1,08	down
6246383	7156052	1265743	---	---	---	1,45	up
6246413	7336579	1710983	---	---	---	1,34	up
6246470	7184151	1335952	---	---	---	1,08	down
6246561	7079238	1077818	---	---	---	1,01	up
6246725	7086672	1094348	---	---	---	1,67	down
6246735	7257976	1517713	---	---	---	1,29	down
6246760	7075445	1069360	---	---	---	1,08	down
6246803	7068259	1051653	---	---	---	1,01	down
6246818	7370002	1795774	---	---	---	1,59	down
6246839	7082098	1084120	---	---	---	1,43	up
6246870	7088625	1099879	---	---	---	1,18	down
6246924	7375673	1810747	---	---	---	1,21	down
6247043	7340990	1722501	---	---	---	1,23	down
6247094	7297274	1614649	---	---	---	1,77	down
6247151	7196029	1365636	---	---	---	1,72	down
6247182	7186464	1341375	---	---	---	1,28	down
6247233	7133484	1209936	---	---	---	1,02	down
6247455	7344380	1731131	---	---	---	1,05	up
6247468	7293922	1605959	---	---	---	1,25	down
6247540	7208784	1396086	---	---	---	1,16	down
6247748	7240569	1475472	---	---	---	1,04	down
6247955	7096461	1118263	---	---	---	1,21	up
6247972	7258455	1518701	---	---	---	1,27	up
6248012	7052933	1016219	---	---	---	1,89	down
6248123	7165954	1288771	---	---	---	1,25	up
6248186	7211363	1402039	---	---	---	1,40	up
6248192	7352046	1750042	---	---	---	2,19	up
6248264	7217434	1416451	---	---	---	1,11	up
6248276	7355044	1757429	---	---	---	1,38	down
6248313	7117813	1171714	---	---	---	1,00	down
6248346	7302018	1626964	---	---	---	1,03	up
6248367	7124991	1189294	---	---	---	1,87	up
6248484	7142081	1230966	---	---	---	1,02	up
6248665	7252877	1504741	---	---	---	1,16	down
6248715	7331508	1699461	---	---	---	1,10	down
6248793	7200545	1376909	---	---	---	1,65	down
6248796	7058149	1027255	---	---	---	1,12	down
6248807	7361042	1772264	---	---	---	1,53	down
6248890	7263248	1530604	---	---	---	1,65	up
6248941	7190534	1351222	---	---	---	1,14	down

6248957	7033541	969977	---	---	---	2,04	down
6248979	7312161	1652463	---	---	---	2,01	up
6249126	7248790	1494554	---	---	---	1,28	down
6249185	7090581	1104742	---	---	---	1,94	up
6249270	7297274	1614655	---	---	---	1,30	down
6249315	7335637	1708467	---	---	---	1,35	up
6249359	7319773	1671860	---	---	---	1,04	up
6249410	7176456	1315820	---	---	---	1,41	down
6249427	7188829	1346665	---	---	---	1,24	down
6249451	7067670	1050374	---	---	---	1,50	down
6249458	7286807	1588787	---	---	---	1,42	down
6249496	7076099	1070673	---	---	---	1,16	down
6249502	7097240	1120364	---	---	---	1,04	up
6249538	7330396	1696363	---	---	---	1,07	down
6249555	7110401	1153068	---	---	---	1,02	down
6249573	7183182	1333564	---	---	---	1,06	up
6249961	7321029	1674831	---	---	---	1,47	up
6250029	7225370	1435522	---	---	---	1,09	up
6250051	7233524	1457218	---	---	---	1,03	down
6250071	7257893	1517464	---	---	---	1,00	down
6250078	7181193	1328292	---	---	---	1,43	down
6250080	7240569	1475461	---	---	---	1,07	up
6250082	7210263	1399765	---	---	---	1,24	up
6250289	7061003	1033921	---	---	---	1,02	up
6250330	7128112	1196534	---	---	---	1,85	down
6250331	7067670	1050366	---	---	---	1,20	down
6250381	7257893	1517473	---	---	---	1,02	up
6250409	7341038	1722661	---	---	---	1,08	down
6250451	7128921	1198507	---	---	---	1,05	up
6250557	7233524	1457219	---	---	---	1,02	up
6250661	7072765	1062747	---	---	---	1,07	down
6250682	7058149	1027283	---	---	---	1,12	down
6250700	7140834	1227950	---	---	---	1,75	up
6250707	7280570	1574091	---	---	---	1,61	up
6250727	7247907	1492240	---	---	---	1,12	up
6250754	7200996	1378152	---	---	---	1,05	up
6250816	7144389	1236781	---	---	---	1,17	down
6250848	7086966	1095286	---	---	---	1,20	down
6250941	7071264	1059361	---	---	---	1,16	down
6251119	7144782	1237759	---	---	---	1,40	down
6251137	7027350	954943	---	---	---	1,33	up
6251156	7252728	1504340	---	---	---	1,00	down
6251197	7339379	1718347	---	---	---	1,09	up
6251253	7313841	1656733	---	---	---	2,18	down
6251312	7319773	1671859	---	---	---	1,39	down
6251595	7127540	1195288	---	---	---	1,15	down
6251624	7233921	1458157	---	---	---	1,88	down
6251633	7092549	1109145	---	---	---	1,87	up
6251666	7217650	1417201	---	---	---	1,32	down
6251727	7193959	1360613	---	---	---	1,31	up
6251858	7152915	1257441	---	---	---	1,33	up
6251885	7380452	1821677	---	---	---	1,07	down
6251906	7034356	972171	---	---	---	1,19	up
6251935	7197400	1368813	---	---	---	1,18	down
6252016	7321029	1674825	---	---	---	1,49	down
6252302	7071264	1059355	---	---	---	2,18	up
6252320	7186464	1341378	---	---	---	1,26	down

6252343	7244027	1483276	---	---	---	1,35	down
6252383	7250511	1498630	---	---	---	1,32	up
6252385	7088489	1099531	---	---	---	1,04	up
6252426	7217679	1417298	---	---	---	1,24	down
6252469	7303777	1631903	---	---	---	2,04	up
6252471	7377304	1814597	---	---	---	1,04	up
6252494	7031774	964737	---	---	---	1,31	down
6252654	7176275	1315337	---	---	---	1,04	down
6252661	7180598	1326326	---	---	---	1,02	down
6252679	7198087	1370689	---	---	---	1,19	down
6252989	7043379	993638	---	---	---	1,17	down
6253052	7059584	1030546	---	---	---	1,18	down
6253318	7279194	1571006	---	---	---	2,12	down
6253374	7084500	1089712	---	---	---	1,20	down
6253423	7384509	1830752	---	---	---	1,01	up
6253438	7107321	1145319	---	---	---	1,25	down
6253451	7205750	1388976	---	---	---	1,23	up
6253612	7353224	1752662	---	---	---	1,75	down
6253682	7244288	1484094	---	---	---	1,33	up
6253692	7138580	1222505	---	---	---	1,36	up
6253707	7158419	1271378	---	---	---	1,07	down
6253710	7356619	1761348	---	---	---	1,55	up
6253889	7035525	974781	---	---	---	1,10	up
6253895	7070668	1057928	---	---	---	1,31	down
6253926	7263652	1531629	---	---	---	1,23	down
6254003	7279073	1570681	---	---	---	1,38	down
6254006	7069142	1053877	---	---	---	1,31	down
6254183	7211363	1402036	---	---	---	1,52	up
6254186	7176368	1315576	---	---	---	2,08	down
6254249	7384073	1829463	---	---	---	1,13	up
6254301	7148978	1248539	---	---	---	1,35	up
6254337	7196029	1365609	---	---	---	1,11	down
6254439	7039265	983658	---	---	---	2,02	up
6254447	7085063	1090806	---	---	---	2,03	down
6254480	7087965	1098055	---	---	---	1,36	down
6254544	7052385	1014805	---	---	---	1,02	up
6254553	7329135	1693500	---	---	---	1,20	up
6254636	7202749	1382095	---	---	---	1,20	down
6254666	7258455	1518701	---	---	---	1,22	down
6254842	7217434	1416431	---	---	---	1,54	up
6254849	7219729	1422384	---	---	---	1,03	down
6254889	7312566	1653298	---	---	---	1,19	down
6255025	7301904	1626761	---	---	---	2,01	down
6255029	7253408	1505945	---	---	---	1,23	up
6255065	7105057	1140311	---	---	---	1,12	down
6255066	7035525	974775	---	---	---	1,52	up
6255107	7230698	1449061	---	---	---	1,07	down
6255184	7290463	1597944	---	---	---	1,05	up
6255196	7213945	1407853	---	---	---	1,08	up
6255293	7267802	1541741	---	---	---	1,24	up
6255344	7193959	1360612	---	---	---	1,11	down
6255390	7312338	1652767	---	---	---	1,49	down
6255435	7288170	1592342	---	---	---	1,22	up
6255454	7039532	984424	---	---	---	1,14	down
6255505	7359789	1769153	---	---	---	1,32	up
6255587	7233106	1455660	---	---	---	2,30	up
6255687	7198325	1371334	---	---	---	1,17	up

6255769	7141151	1228921	---	---	---	1,37	up
6255840	7181001	1327591	---	---	---	1,01	down
6255991	7217747	1417496	---	---	---	1,07	down
6256084	7380497	1821822	---	---	---	1,05	up
6256178	7355138	1757709	---	---	---	1,15	down
6256197	7331413	1699138	---	---	---	1,00	up
6256346	7256070	1512580	---	---	---	1,04	down
6256491	7029119	958982	---	---	---	1,27	down
6256628	7194172	1361182	---	---	---	1,12	down
6256753	7361223	1772615	---	---	---	1,64	up
6256896	7082098	1084107	---	---	---	1,01	up
6256901	7087965	1098030	---	---	---	1,00	up
6256943	7116540	1168645	---	---	---	1,06	up
6256990	7217679	1417299	---	---	---	1,08	down
6257117	7203041	1382727	---	---	---	1,91	down
6257141	7344836	1732409	---	---	---	1,07	up
6257175	7325643	1685176	---	---	---	1,01	up
6257243	7168439	1295666	---	---	---	1,69	up
6257254	7339286	1718108	---	---	---	2,01	up
6257319	7320735	1674157	---	---	---	1,02	down
6257360	7257893	1517474	---	---	---	1,28	up
6257475	7112355	1158069	---	---	---	1,19	down
6257490	7144782	1237758	---	---	---	1,89	down
6257520	7350918	1747307	---	---	---	1,12	down
6257594	7055876	1022500	---	---	---	1,06	down
6257725	7089080	1101169	---	---	---	1,01	up
6257769	7209811	1398684	---	---	---	1,72	up
6257820	7307473	1641259	---	---	---	1,18	down
6257867	7293234	1604332	---	---	---	1,35	down
6258092	7279568	1572036	---	---	---	1,06	down
6258105	7184850	1337606	---	---	---	1,28	down
6258127	7347427	1738660	---	---	---	1,30	up
6258177	7181452	1328934	---	---	---	1,32	up
6258233	7340263	1720769	---	---	---	1,00	up
6258329	7337872	1714462	---	---	---	1,71	up
6258432	7191382	1353516	---	---	---	1,24	up
6258447	7120827	1179350	---	---	---	1,04	up
6258499	7158419	1271398	---	---	---	1,29	up
6258509	7292869	1603454	---	---	---	1,02	down
6258520	7094346	1113394	---	---	---	3,62	up
6258551	7131372	1205022	---	---	---	1,14	up
6258611	7279533	1571917	---	---	---	1,12	down
6258633	7231484	1451372	---	---	---	1,36	down
6258637	7244027	1483283	---	---	---	1,45	down
6258777	7367990	1789222	---	---	---	2,05	up
6258825	7374324	1807519	---	---	---	1,04	down
6258826	7060195	1031972	---	---	---	1,08	up
6258830	7113483	1161008	---	---	---	1,45	up
6258836	7264085	1532719	---	---	---	1,28	up
6258838	7301904	1626755	---	---	---	1,02	up
6259012	7236358	1464257	---	---	---	1,18	up
6259043	7252877	1504702	---	---	---	1,04	down
6259060	7255517	1511371	---	---	---	1,02	up
6259187	7109730	1151707	---	---	---	1,09	down
6259259	7172691	1306448	---	---	---	2,74	down
6259297	7243627	1482362	---	---	---	1,12	up
6259357	7267204	1539853	---	---	---	1,07	down

6259465	7230628	1448868	---	---	---	3,60	down
6259490	7131718	1205741	---	---	---	1,40	down
6259544	7292517	1602549	---	---	---	1,39	up
6259563	7366749	1785521	---	---	---	1,13	down
6259602	7264085	1532719	---	---	---	1,04	up
6259634	7075460	1069386	---	---	---	1,03	up
6259644	7297589	1615682	---	---	---	1,48	down
6259678	7235069	1460991	---	---	---	1,15	up
6259783	7380878	1822551	---	---	---	1,17	down
6259805	7189404	1348196	---	---	---	1,11	down
6259820	7370853	1798414	---	---	---	1,59	up
6259822	7332128	1700853	---	---	---	1,09	down
6259889	7326612	1687196	---	---	---	1,20	down
6259972	7127801	1195863	---	---	---	1,73	up
6260029	7315352	1660334	---	---	---	1,19	up
6260051	7369712	1794822	---	---	---	1,15	down
6260094	7039532	984423	---	---	---	1,40	up
6260101	7340757	1721896	---	---	---	1,98	down
6260106	7131550	1205563	---	---	---	1,10	up
6260138	7237672	1467299	---	---	---	1,04	up
6260505	7375937	1811366	---	---	---	1,36	down
6260515	7320735	1674161	---	---	---	1,07	up
6260564	7193959	1360603	---	---	---	1,21	up
6260581	7302787	1628904	---	---	---	2,24	up
6260594	7095041	1115172	---	---	---	1,18	up
6260695	7069727	1055360	---	---	---	1,50	up
6260769	7341546	1723973	---	---	---	1,34	up
6260901	7132125	1206614	---	---	---	1,01	down
6260946	7028326	957433	---	---	---	1,06	up
6261045	7162144	1280508	---	---	---	1,17	up
6261129	7069721	1055285	---	---	---	1,11	down
6261137	7090581	1104744	---	---	---	1,11	up
6261215	7343250	1728060	---	---	---	1,23	down
6261219	7180598	1326316	---	---	---	1,14	up
6261231	7098648	1124273	---	---	---	1,15	down
6261241	7292869	1603446	---	---	---	1,14	up
6261256	7076236	1071203	---	---	---	1,00	down
6261368	7258455	1518710	---	---	---	1,15	up
6261508	7343250	1728036	---	---	---	1,24	up
6261648	7281924	1577722	---	---	---	1,16	up
6261744	7184981	1337834	---	---	---	1,04	up
6261974	7180721	1326697	---	---	---	1,44	down
6262060	7359361	1768263	---	---	---	1,03	down
6262198	7337425	1713202	---	---	---	1,03	down
6262241	7289382	1595194	---	---	---	1,02	up
6262390	7040442	986537	---	---	---	1,04	down
6262438	7227433	1440957	---	---	---	1,30	up
6262544	7176275	1315344	---	---	---	1,03	up
6262608	7320735	1674171	---	---	---	1,11	up
6262723	7243901	1483039	---	---	---	1,05	up
6262837	7303777	1631924	---	---	---	1,15	down
6262873	7373038	1804289	---	---	---	2,16	up
6262938	7119845	1176883	---	---	---	1,00	down
6263004	7194540	1362121	---	---	---	1,04	up
6263174	7361075	1772347	---	---	---	1,15	up
6263216	7383102	1827391	---	---	---	1,40	down
6263278	7240569	1475395	---	---	---	1,26	down

6263291	7086522	1093957	---	---	---	2,63	down
6263332	7210713	1400753	---	---	---	1,50	down
6263372	7313538	1655721	---	---	---	1,15	down
6263415	7069603	1055050	---	---	---	1,04	up
6263452	7072225	1061405	---	---	---	1,25	down
6263523	7361075	1772345	---	---	---	1,30	down
6263555	7146807	1242809	---	---	---	2,00	up
6263584	7324760	1683093	---	---	---	1,02	down
6263670	7363529	1777907	---	---	---	1,03	up
6263766	7328695	1692357	---	---	---	1,19	down
6263900	7374313	1807365	---	---	---	1,09	up
6263933	7166867	1291318	---	---	---	1,54	down
6264131	7280743	1574528	---	---	---	1,46	down
6264163	7231152	1450226	---	---	---	2,02	up
6264192	7339452	1718595	---	---	---	1,44	up
6264243	7238115	1468608	---	---	---	1,13	up
6264342	7056333	1023688	---	---	---	1,07	down
6264610	7276650	1564142	---	---	---	1,27	down
6264611	7120671	1178996	---	---	---	1,23	down
6264619	7217434	1416433	---	---	---	1,15	down
6264695	7111361	1155578	---	---	---	1,02	up
6264833	7085063	1090805	---	---	---	1,03	down
6264850	7264797	1534422	---	---	---	1,06	up
6265004	7070869	1058495	---	---	---	1,03	down
6265031	7360325	1770519	---	---	---	1,00	up
6265039	7360486	1770947	---	---	---	1,24	up
6265069	7238153	1468834	---	---	---	1,00	up
6265177	7318596	1668935	---	---	---	1,12	up
6265185	7240569	1475464	---	---	---	1,15	up
6265207	7071714	1060363	---	---	---	1,04	up
6265211	7209927	1398943	---	---	---	1,21	up
6265213	7352046	1750036	---	---	---	2,17	down
6265323	7257893	1517457	---	---	---	1,65	down
6265395	7307473	1641294	---	---	---	1,34	up
6265410	7310810	1649369	---	---	---	1,01	up
6265516	7314270	1657752	---	---	---	1,21	up
6265669	7175355	1313244	---	---	---	1,88	down
6266091	7253408	1505944	---	---	---	1,35	up
6266263	7337425	1713177	---	---	---	1,31	down
6266298	7240569	1475510	---	---	---	1,26	down
6266341	7367980	1789174	---	---	---	1,35	up
6266374	7181193	1328300	---	---	---	1,07	up
6266383	7099294	1126099	---	---	---	1,85	up
6266423	7168439	1295693	---	---	---	1,36	up
6266501	7091954	1107727	---	---	---	1,18	down
6266536	7040442	986527	---	---	---	1,32	up
6266650	7204442	1386079	---	---	---	1,28	down
6266685	7367959	1789070	---	---	---	3,41	up
6266727	7099573	1126730	---	---	---	1,25	up
6266940	7264653	1534060	---	---	---	1,24	up
6267001	7205944	1389479	---	---	---	2,42	up
6267082	7305275	1635833	---	---	---	1,17	up
6267087	7285530	1585965	---	---	---	1,18	down
6267153	7329846	1695000	---	---	---	1,10	down
6267159	7072332	1061646	---	---	---	1,87	up
6267248	7326612	1687197	---	---	---	1,01	up
6267435	7100408	1128642	---	---	---	1,12	down

6267520	7152915	1257490	---	---	---	1,05	up
6267523	7274593	1558816	---	---	---	1,08	up
6267563	7067670	1050312	---	---	---	2,59	up
6267587	7261580	1526797	---	---	---	1,61	down
6267727	7199341	1374145	---	---	---	1,18	up
6267834	7293763	1605709	---	---	---	1,05	up
6267896	7038659	982167	---	---	---	1,58	up
6267994	7115963	1167064	---	---	---	1,05	down
6268054	7264653	1534047	---	---	---	1,09	down
6268138	7027386	955058	---	---	---	1,06	down
6268183	7221443	1426325	---	---	---	1,15	down
6268199	7098077	1122729	---	---	---	1,61	down
6268210	7331413	1699132	---	---	---	1,05	up
6268231	7319259	1670398	---	---	---	1,02	up
6268324	7136142	1216430	---	---	---	1,02	up
6268325	7163002	1282282	---	---	---	1,06	down
6268355	7256191	1512866	---	---	---	1,01	up
6268903	7367943	1788926	---	---	---	1,38	up
6268910	7031774	964770	---	---	---	1,22	down
6269172	7058507	1028293	---	---	---	1,11	down
6269223	7339834	1719549	---	---	---	1,66	down
6269226	7355138	1757774	---	---	---	1,32	up
6269244	7330396	1696355	---	---	---	1,69	up
6269319	7155866	1265314	---	---	---	1,60	down
6269368	7207971	1394311	---	---	---	1,03	down
6269391	7180598	1326319	---	---	---	1,17	down
6269516	7172988	1307278	---	---	---	1,18	down
6269693	7293402	1604809	---	---	---	1,99	up
6269697	7300906	1624048	---	---	---	1,09	up
6269702	7308262	1643190	---	---	---	1,04	down
6269731	7358048	1764809	---	---	---	1,04	up
6269774	7090581	1104805	---	---	---	1,41	down
6269796	7231557	1451569	---	---	---	1,27	up
6269798	7237438	1466795	---	---	---	1,30	up
6269844	7368004	1789336	---	---	---	1,13	up
6269955	7200545	1376911	---	---	---	1,12	up
6269975	7340057	1720330	---	---	---	1,41	down
6270029	7337845	1714339	---	---	---	1,07	down
6270100	7167883	1294108	---	---	---	1,01	down
6270194	7120671	1179004	---	---	---	1,43	down
6270222	7246518	1489051	---	---	---	2,07	up
6270273	7090581	1104783	---	---	---	2,22	up
6270301	7258455	1518717	---	---	---	1,05	down
6270343	7269911	1546910	---	---	---	1,26	down
6270396	7052385	1014782	---	---	---	1,35	down
6270449	7376206	1811979	---	---	---	1,49	down
6270465	7197056	1367839	---	---	---	1,39	up
6270493	7319055	1669950	---	---	---	1,01	down
6270783	7269763	1546541	---	---	---	1,52	down
6270786	7227433	1440978	---	---	---	1,23	down
6270796	7177520	1318622	---	---	---	1,27	down
6271266	7256070	1512580	---	---	---	1,03	up
6271275	7365183	1781935	---	---	---	1,06	down
6271286	7212587	1404635	---	---	---	1,29	up
6271357	7376073	1811713	---	---	---	1,05	up
6271374	7265259	1535444	---	---	---	1,10	up
6271389	7069721	1055312	---	---	---	1,03	up

6271510	7197056	1367847	---	---	---	1,41	down
6271512	7320735	1674166	---	---	---	1,10	up
6271530	7247954	1492400	---	---	---	1,14	down
6271598	7217747	1417487	---	---	---	1,33	up
6271627	7079475	1078293	---	---	---	2,38	down
6271638	7254040	1507583	---	---	---	1,30	up
6271686	7207093	1392113	---	---	---	1,06	down
6271775	7303777	1631910	---	---	---	1,22	down
6271824	7243901	1483052	---	---	---	1,12	down
6271825	7373633	1805715	---	---	---	1,13	up
6271903	7083377	1086983	---	---	---	1,99	down
6272004	7118864	1174360	---	---	---	1,63	down
6272043	7148741	1247833	---	---	---	1,16	up
6272078	7181169	1328125	---	---	---	1,19	up
6272117	7253088	1505123	---	---	---	1,13	up
6272218	7166867	1291306	---	---	---	1,46	up
6272329	7208784	1396137	---	---	---	1,88	up
6272440	7068259	1051660	---	---	---	1,84	down
6272456	7329802	1694915	---	---	---	1,80	down
6272472	7244288	1484128	---	---	---	1,75	down
6272507	7312686	1653624	---	---	---	1,29	down
6272530	7059584	1030542	---	---	---	1,51	down
6272619	7088164	1098488	---	---	---	1,25	up
6272644	7049508	1008562	---	---	---	1,02	down
6272650	7238153	1468836	---	---	---	1,07	down
6272711	7377791	1815999	---	---	---	1,24	up
6272724	7088164	1098478	---	---	---	1,40	up
6272731	7069727	1055363	---	---	---	1,30	up
6272766	7155340	1264094	---	---	---	1,26	up
6272779	7195680	1364897	---	---	---	1,31	down
6272803	7200152	1376054	---	---	---	1,48	down
6272818	7282927	1580011	---	---	---	1,51	down
6272871	7069721	1055303	---	---	---	1,25	up
6272874	7053874	1018330	---	---	---	1,18	up
6272876	7110401	1153056	---	---	---	1,24	down
6272921	7231484	1451366	---	---	---	1,39	down
6273029	7288095	1592047	---	---	---	1,65	down
6273133	7174281	1310845	---	---	---	1,49	up
6273277	7037235	978586	---	---	---	1,09	up
6273381	7168439	1295677	---	---	---	1,04	up
6273475	7247334	1490821	---	---	---	1,43	down
6273523	7297589	1615672	---	---	---	1,07	down
6273650	7295652	1610298	---	---	---	1,19	down
6273706	7154655	1262336	---	---	---	1,18	up
6273764	7233012	1455403	---	---	---	1,24	down
6273813	7198210	1370950	---	---	---	1,11	down
6273844	7162177	1280583	---	---	---	1,11	up
6273942	7292701	1602958	---	---	---	1,71	up
6273957	7151063	1253073	---	---	---	1,56	up
6273965	7279593	1572085	---	---	---	1,19	up
6274010	7358053	1764837	---	---	---	1,20	down
6274109	7121849	1181788	---	---	---	1,13	down
6274198	7217434	1416430	---	---	---	1,25	down
6274295	7307473	1641275	---	---	---	1,07	down
6274377	7059412	1030188	---	---	---	1,22	up
6274389	7286807	1588808	---	---	---	1,47	down
6274413	7235840	1462995	---	---	---	1,49	up

6274556	7293922	1605961	---	---	---	1,02	down
6274667	7166855	1291262	---	---	---	1,06	up
6274760	7212285	1403979	---	---	---	1,39	up
6274918	7252877	1504753	---	---	---	1,08	up
6274958	7339452	1718595	---	---	---	1,36	down
6274979	7244027	1483275	---	---	---	1,28	up
6275169	7244290	1484164	---	---	---	1,08	down
6275247	7279593	1572095	---	---	---	1,02	up
6275276	7100523	1128885	---	---	---	1,15	down
6275280	7148978	1248538	---	---	---	1,29	down
6275370	7363529	1777936	---	---	---	1,49	up
6275451	7230698	1449070	---	---	---	1,40	down
6275453	7183190	1333645	---	---	---	1,20	up
6275521	7353284	1752982	---	---	---	1,79	up
6275552	7240569	1475405	---	---	---	1,02	down
6275597	7237992	1468282	---	---	---	1,29	up
6275701	7258784	1519670	---	---	---	1,01	down
6275773	7177428	1318365	---	---	---	1,27	up
6275778	7112566	1158635	---	---	---	1,71	down
6275830	7267953	1542259	---	---	---	1,71	up
6275879	7211690	1402642	---	---	---	1,24	up
6275895	7303777	1631925	---	---	---	1,10	up
6275896	7142917	1233158	---	---	---	2,03	up
6276023	7110401	1153052	---	---	---	1,23	up
6276040	7337425	1713211	---	---	---	1,05	down
6276136	7374324	1807513	---	---	---	1,23	down
6276162	7033504	969846	---	---	---	1,53	down
6276315	7308679	1644238	---	---	---	3,92	down
6276319	7207971	1394325	---	---	---	1,04	down
6276452	7279103	1570843	---	---	---	1,43	down
6276600	7059584	1030544	---	---	---	1,76	up
6276650	7207093	1392097	---	---	---	1,25	down
6276671	7156052	1265771	---	---	---	1,13	down
6276728	7313841	1656710	---	---	---	1,04	up
6277020	7093752	1112009	---	---	---	1,18	down
6277179	7217650	1417173	---	---	---	1,10	down
6277217	7059584	1030559	---	---	---	1,15	down
6277241	7053874	1018309	---	---	---	1,13	down
6277322	7148978	1248533	---	---	---	1,09	down
6277375	7252877	1504700	---	---	---	1,71	down
6277425	7384509	1830747	---	---	---	1,02	up
6277429	7088489	1099524	---	---	---	1,16	up
6277478	7038179	981261	---	---	---	1,08	down
6277620	7223395	1431078	---	---	---	1,11	down
6277639	7309734	1646912	---	---	---	1,06	down
6277690	7028326	957437	---	---	---	1,30	up
6277704	7313841	1656723	---	---	---	1,10	down
6277717	7034293	971987	---	---	---	1,26	down
6277748	7231484	1451393	---	---	---	1,18	up
6277753	7336854	1711683	---	---	---	1,13	up
6277795	7263805	1532200	---	---	---	1,23	down
6277856	7367994	1789254	---	---	---	1,11	up
6277897	7035525	974773	---	---	---	1,15	down
6277913	7140834	1228017	---	---	---	1,83	down
6278004	7267802	1541816	---	---	---	1,19	up
6278019	7165954	1288770	---	---	---	1,99	down
6278079	7243647	1482464	---	---	---	1,45	down

6278143	7317318	1665827	---	---	---	1,25	down
6278155	7138220	1221619	---	---	---	1,00	up
6278164	7252877	1504684	---	---	---	1,01	down
6278179	7381090	1822989	---	---	---	1,71	up
6278194	7168979	1297192	---	---	---	1,13	down
6278197	7264745	1534278	---	---	---	1,43	down
6278251	7095066	1115272	---	---	---	2,92	up
6278271	7359361	1768266	---	---	---	1,06	up
6278299	7095066	1115271	---	---	---	1,51	up
6278396	7238115	1468570	---	---	---	1,59	up
6278471	7044906	998120	---	---	---	1,23	up
6278581	7184850	1337598	---	---	---	1,07	up
6278791	7167823	1293873	---	---	---	2,19	up
6278881	7247230	1490596	---	---	---	1,15	down
6278884	7369712	1794835	---	---	---	1,49	up
6278898	7090581	1104742	---	---	---	1,24	up
6278917	7068259	1051656	---	---	---	1,33	up
6278926	7350237	1745490	---	---	---	1,18	up
6279028	7281924	1577744	---	---	---	1,01	up
6279031	7039463	984246	---	---	---	1,06	up
6279269	7247907	1492245	---	---	---	1,27	down
6279357	7361881	1773947	---	---	---	1,14	up
6279409	7341115	1722917	---	---	---	1,29	up
6279427	7096924	1119622	---	---	---	2,05	down
6279442	7070668	1057967	---	---	---	1,19	down
6279533	7076160	1070870	---	---	---	1,18	up
6279557	7273251	1555960	---	---	---	2,67	down
6279591	7205750	1388931	---	---	---	1,04	up
6279639	7139026	1223512	---	---	---	1,48	down
6279692	7252877	1504769	---	---	---	1,59	up
6279778	7330731	1697203	---	---	---	1,04	up
6279820	7268694	1544222	---	---	---	1,29	down
6279847	7150348	1251421	---	---	---	1,08	down
6279913	7146082	1240844	---	---	---	1,41	down
6279915	7107926	1146837	---	---	---	1,02	down
6280202	7346885	1737307	---	---	---	1,32	up
6280218	7168979	1297177	---	---	---	1,15	up
6280284	7320068	1672615	---	---	---	1,46	down
6280292	7031618	964198	---	---	---	1,21	down
6280597	7141061	1228722	---	---	---	1,04	up
6280613	7217434	1416438	---	---	---	1,01	down
6280704	7208784	1396155	---	---	---	1,11	up
6280738	7300392	1622755	---	---	---	1,17	up
6280826	7247954	1492404	---	---	---	2,26	up
6280964	7292869	1603407	---	---	---	1,31	up
6281031	7368004	1789330	---	---	---	1,05	down
6281057	7244027	1483288	---	---	---	1,01	up
6281088	7078666	1076514	---	---	---	1,00	down
6281093	7075460	1069411	---	---	---	1,76	up
6281199	7243647	1482433	---	---	---	1,44	up
6281203	7107926	1146833	---	---	---	1,17	down
6281296	7041140	988281	---	---	---	1,29	up
6281316	7160846	1277349	---	---	---	1,05	up
6281498	7374324	1807534	---	---	---	1,19	up
6281508	7115963	1167042	---	---	---	1,03	up
6281511	7065640	1045209	---	---	---	1,19	down
6281522	7235840	1463001	---	---	---	1,29	up

6281613	7160687	1277000	---	---	---	1,18	up
6281639	7346687	1736694	---	---	---	1,27	up
6281836	7073950	1065867	---	---	---	1,56	up
6281862	7315206	1660029	---	---	---	1,39	up
6281902	7243627	1482359	---	---	---	1,03	down
6281923	7358859	1766999	---	---	---	1,04	up
6281939	7079238	1077807	---	---	---	1,08	down
6281993	7254209	1508006	---	---	---	1,38	up
6282028	7194540	1362079	---	---	---	1,25	down
6282053	7073677	1065144	---	---	---	1,21	up
6282099	7248790	1494488	---	---	---	1,41	up
6282173	7128539	1197669	---	---	---	1,53	up
6282391	7274892	1559583	---	---	---	1,15	up
6282663	7285563	1586041	---	---	---	2,62	down
6282692	7350237	1745487	---	---	---	1,01	up
6282728	7074911	1068174	---	---	---	1,11	down
6282766	7247230	1490598	---	---	---	1,13	up
6282827	7127540	1195275	---	---	---	1,14	up
6282928	7056333	1023705	---	---	---	1,27	up
6282977	7337425	1713196	---	---	---	1,19	up
6283212	7218241	1418692	---	---	---	1,06	up
6283270	7101643	1131567	---	---	---	1,27	down
6283301	7356326	1760469	---	---	---	2,31	up
6283370	7095021	1115136	---	---	---	1,20	down
6283472	7366749	1785526	---	---	---	1,21	up
6283629	7368565	1791273	---	---	---	1,05	up
6283830	7253408	1505955	---	---	---	2,23	down
6283847	7080134	1079806	---	---	---	1,04	up
6283889	7168979	1297201	---	---	---	1,57	down
6283964	7235069	1460992	---	---	---	1,14	up
6284059	7321029	1674804	---	---	---	1,03	up
6284074	7205944	1389471	---	---	---	1,05	down
6284083	7198087	1370717	---	---	---	1,37	up
6284111	7338101	1715193	---	---	---	1,37	down
6284220	7136062	1216295	---	---	---	1,10	up
6284244	7071714	1060351	---	---	---	1,14	down
6284262	7290793	1598626	---	---	---	2,09	down
6284270	7381330	1823644	---	---	---	1,12	up
6284446	7091954	1107728	---	---	---	1,08	up
6284546	7268357	1543397	---	---	---	1,28	up
6284681	7310810	1649342	---	---	---	1,19	up
6284683	7039223	983568	---	---	---	1,01	down
6284706	7148904	1248293	---	---	---	1,07	up
6284857	7252877	1504781	---	---	---	1,30	up
6284918	7233513	1457172	---	---	---	1,14	up
6284941	7353287	1753030	---	---	---	1,31	up
6285032	7329135	1693491	---	---	---	1,14	up
6285200	7166855	1291255	---	---	---	1,09	up
6285206	7148978	1248509	---	---	---	1,26	up
6285294	7044906	998135	---	---	---	1,04	down
6285305	7218728	1419916	---	---	---	1,24	down
6285412	7168519	1295885	---	---	---	1,61	down
6285434	7288077	1591985	---	---	---	1,03	down
6285528	7355138	1757743	---	---	---	1,15	down
6285631	7377304	1814579	---	---	---	1,15	down
6285663	7324760	1683032	---	---	---	1,80	down
6285703	7279533	1571916	---	---	---	1,06	down

6285729	7083030	1086247	---	---	---	1,51	up
6285737	7360486	1771020	---	---	---	1,19	down
6285782	7173640	1308989	---	---	---	1,22	down
6285814	7378997	1818638	---	---	---	1,06	down
6285871	7056736	1024419	---	---	---	1,08	up
6285926	7374324	1807497	---	---	---	1,26	up
6286136	7363529	1777960	---	---	---	1,01	up
6286175	7231775	1452132	---	---	---	1,45	up
6286226	7055793	1022321	---	---	---	1,02	down
6286239	7071292	1059428	---	---	---	2,11	down
6286304	7341002	1722532	---	---	---	1,01	up
6286316	7367994	1789243	---	---	---	1,17	up
6286363	7261580	1526768	---	---	---	1,18	up
6286554	7185355	1338693	---	---	---	1,00	down
6286573	7041486	989216	---	---	---	1,03	down
6286640	7164949	1286388	---	---	---	1,48	down
6286737	7052813	1015929	---	---	---	1,10	down
6286835	7052957	1016274	---	---	---	1,38	up
6286892	7371001	1798872	---	---	---	1,81	down
6286909	7339379	1718330	---	---	---	1,97	up
6286940	7088544	1099706	---	---	---	1,49	up
6287131	7257893	1517463	---	---	---	1,04	down
6287161	7200996	1378150	---	---	---	2,23	up
6287387	7091900	1107631	---	---	---	1,40	down
6287399	7088489	1099520	---	---	---	1,00	up
6287422	7078666	1076535	---	---	---	1,29	down
6287440	7356115	1760128	---	---	---	1,22	down
6287511	7098411	1123738	---	---	---	1,45	down
6287563	7319773	1671874	---	---	---	1,40	up
6287608	7363922	1778856	---	---	---	1,33	up
6287645	7204917	1387108	---	---	---	1,04	down
6287779	7110401	1153061	---	---	---	1,23	down
6287785	7232709	1454530	---	---	---	1,01	down
6287940	7292869	1603424	---	---	---	1,08	up
6288014	7239303	1471968	---	---	---	1,10	up
6288033	7313538	1655720	---	---	---	1,10	up
6288060	7371228	1799456	---	---	---	1,15	up
6288280	7360486	1770968	---	---	---	1,25	up
6288442	7248790	1494559	---	---	---	1,49	down
6288519	7064732	1042907	---	---	---	2,20	down
6288528	7180732	1326740	---	---	---	1,21	up
6288538	7105780	1141698	---	---	---	1,08	down
6288631	7346687	1736693	---	---	---	1,40	up
6288763	7041584	989461	---	---	---	1,01	down
6288907	7029770	960154	---	---	---	1,28	up
6288924	7066035	1046209	---	---	---	3,40	up
6288982	7374090	1806816	---	---	---	1,01	up
6289013	7043379	993627	---	---	---	1,21	up
6289033	7063716	1040138	---	---	---	1,26	up
6289340	7378997	1818679	---	---	---	1,01	up
6289374	7198644	1372299	---	---	---	1,52	down
6289484	7198210	1370967	---	---	---	1,81	down
6289527	7144389	1236780	---	---	---	1,20	down
6289543	7252339	1503337	---	---	---	1,10	up
6289609	7176275	1315333	---	---	---	1,23	down
6289677	7345465	1733865	---	---	---	1,16	up
6289722	7230628	1448864	---	---	---	1,11	up

6289757	7355580	1758886	---	---	---	2,26	up
6289827	7133484	1209949	---	---	---	1,30	up
6289963	7195680	1364878	---	---	---	1,52	up
6289964	7114274	1162813	---	---	---	1,58	down
6290007	7058149	1027253	---	---	---	1,62	down
6290083	7204917	1387119	---	---	---	1,02	up
6290106	7089080	1101162	---	---	---	1,24	down
6290191	7096589	1118509	---	---	---	1,02	up
6290269	7313222	1654923	---	---	---	1,10	down
6290460	7261580	1526818	---	---	---	1,03	down
6290478	7273251	1555959	---	---	---	1,42	down
6290548	7366749	1785489	---	---	---	1,02	up
6290549	7059766	1030972	---	---	---	1,00	down
6290565	7267802	1541815	---	---	---	1,28	down
6290608	7231775	1452130	---	---	---	1,57	down
6290666	7179785	1324498	---	---	---	1,15	down
6290782	7231484	1451358	---	---	---	1,63	up
6290801	7353382	1753226	---	---	---	1,31	up
6290810	7050167	1009815	---	---	---	1,22	up
6290824	7253272	1505700	---	---	---	1,29	down
6290895	7247334	1490816	---	---	---	1,10	up
6291003	7260636	1524346	---	---	---	1,51	down
6291086	7273744	1556989	---	---	---	1,66	down
6291126	7319773	1671878	---	---	---	1,17	up
6291133	7039302	983850	---	---	---	1,04	up
6291252	7148978	1248535	---	---	---	1,04	up
6291333	7204442	1386086	---	---	---	1,06	down
6291346	7295652	1610269	---	---	---	1,18	up
6291484	7208784	1396152	---	---	---	1,31	down
6291517	7326271	1686477	---	---	---	1,22	up
6291541	7358859	1766961	---	---	---	1,03	down
6291638	7370002	1795766	---	---	---	1,04	up
6291689	7093255	1110769	---	---	---	1,29	up
6291758	7038530	981861	---	---	---	2,09	up
6291857	7260488	1523933	---	---	---	1,14	down
6291894	7253408	1505953	---	---	---	1,22	up
6291897	7384509	1830730	---	---	---	1,17	down
6291899	7282343	1578679	---	---	---	1,11	down
6291916	7056736	1024419	---	---	---	1,92	down
6292004	7142321	1231499	---	---	---	1,68	up
6292022	7217747	1417482	---	---	---	1,09	up
6292095	7143455	1234739	---	---	---	1,15	up
6292106	7179176	1322920	---	---	---	1,37	down
6292240	7225291	1435294	---	---	---	1,12	up
6292288	7133484	1209948	---	---	---	1,07	down
6292291	7041609	989561	---	---	---	1,10	down
6292331	7176456	1315843	---	---	---	1,07	up
6292351	7103782	1136947	---	---	---	1,36	down
6292375	7321746	1676234	---	---	---	2,28	up
6292440	7315571	1660976	---	---	---	1,22	down
6292471	7181193	1328288	---	---	---	2,10	up
6292618	7337425	1713148	---	---	---	1,15	down
6292908	7297589	1615674	---	---	---	1,02	up
6292911	7255892	1512187	---	---	---	1,03	down
6292919	7282343	1578686	---	---	---	1,45	down
6292939	7068504	1052161	---	---	---	1,17	down
6292999	7363576	1778175	---	---	---	1,13	down

6293083	7253272	1505574	---	---	---	1,08	up
6293112	7330731	1697187	---	---	---	1,02	up
6293146	7301843	1626457	---	---	---	1,03	down
6293157	7033504	969867	---	---	---	1,71	down
6293172	7091954	1107704	---	---	---	1,00	down
6293316	7058713	1028666	---	---	---	1,14	up
6293326	7333462	1703637	---	---	---	1,45	down
6293483	7236358	1464261	---	---	---	1,19	up
6293556	7105780	1141704	---	---	---	1,07	up
6293570	7186305	1341002	---	---	---	1,17	down
6293639	7062809	1038445	---	---	---	2,38	up
6293684	7181001	1327585	---	---	---	1,21	down
6293710	7219729	1422379	---	---	---	1,12	down
6293765	7156978	1268179	---	---	---	1,38	up
6293778	7343052	1727504	---	---	---	1,01	up
6293802	7041609	989582	---	---	---	1,07	up
6293808	7175946	1314630	---	---	---	1,03	up
6293834	7376566	1812870	---	---	---	1,56	up
6293903	7212735	1405002	---	---	---	1,46	up
6294005	7297756	1616092	---	---	---	1,10	down
6294056	7180598	1326335	---	---	---	1,20	up
6294134	7056333	1023672	---	---	---	1,69	down
6294142	7075460	1069385	---	---	---	1,14	down
6294164	7231653	1451901	---	---	---	2,11	down
6294179	7121074	1179906	---	---	---	1,20	down
6294216	7200313	1376455	---	---	---	1,07	up
6294230	7267802	1541800	---	---	---	1,16	up
6294241	7341243	1723204	---	---	---	1,34	up
6294323	7184850	1337612	---	---	---	1,18	down
6294344	7253408	1505955	---	---	---	1,00	up
6294445	7139026	1223496	---	---	---	1,19	up
6294526	7218728	1419927	---	---	---	1,96	up
6294531	7176275	1315348	---	---	---	1,79	up
6294607	7198644	1372355	---	---	---	1,01	down
6294643	7243647	1482465	---	---	---	1,09	down
6294719	7070836	1058331	---	---	---	1,34	down
6294783	7068259	1051632	---	---	---	1,28	down
6294814	7378997	1818649	---	---	---	1,16	down
6294844	7218728	1419926	---	---	---	1,71	down
6294854	7378637	1817829	---	---	---	1,97	down
6294892	7170764	1301490	---	---	---	2,02	down
6294950	7351953	1749880	---	---	---	1,24	up
6294986	7318714	1669239	---	---	---	1,03	down
6295050	7292701	1602942	---	---	---	1,00	up
6295128	7080476	1080402	---	---	---	1,51	up
6295158	7184151	1335955	---	---	---	1,45	up
6295253	7039303	983873	---	---	---	1,00	up
6295259	7377304	1814596	---	---	---	1,15	down
6295296	7365183	1781909	---	---	---	1,12	up
6295318	7341274	1723387	---	---	---	1,01	down
6295502	7134773	1212969	---	---	---	4,82	down
6295554	7356115	1760130	---	---	---	1,14	up
6295756	7282343	1578665	---	---	---	1,68	down
6295786	7059971	1031468	---	---	---	1,51	up
6295790	7319773	1671861	---	---	---	1,26	down
6295959	7285563	1586041	---	---	---	1,22	down
6295979	7279568	1572027	---	---	---	1,11	down

6295989	7360486	1770935	---	---	---	2,52	down
6296045	7200545	1376928	---	---	---	1,84	up
6296086	7377304	1814576	---	---	---	1,12	up
6296212	7216970	1415120	---	---	---	1,25	up
6296237	7339379	1718321	---	---	---	1,00	down
6296298	7058149	1027278	---	---	---	1,02	up
6296308	7076236	1071183	---	---	---	1,38	up
6296389	7337224	1712602	---	---	---	1,43	down
6296397	7216309	1413742	---	---	---	1,22	down
6296434	7266530	1538284	---	---	---	1,15	up
6296451	7277719	1567084	---	---	---	1,17	up
6296510	7286807	1588830	---	---	---	1,17	down
6296533	7146093	1240951	---	---	---	1,33	up
6296541	7076236	1071196	---	---	---	1,15	down
6296548	7073677	1065126	---	---	---	1,29	up
6296550	7100523	1128918	---	---	---	1,15	up
6296776	7043379	993638	---	---	---	1,19	down
6296796	7374313	1807384	---	---	---	1,27	up
6297015	7279568	1572019	---	---	---	1,18	down
6297132	7353232	1752858	---	---	---	1,47	up
6297156	7383102	1827382	---	---	---	1,89	down
6297172	7286807	1588785	---	---	---	1,91	down
6297189	7120671	1179000	---	---	---	1,09	down
6297323	7243901	1483036	---	---	---	1,21	up
6297414	7095041	1115180	---	---	---	1,04	up
6297544	7381330	1823619	---	---	---	1,97	up
6297553	7367994	1789244	---	---	---	1,00	down
6297566	7220650	1424522	---	---	---	1,01	up
6297582	7032204	966174	---	---	---	1,26	up
6297622	7377116	1814072	---	---	---	1,01	down
6297759	7184931	1337717	---	---	---	1,03	down
6297782	7169599	1298449	---	---	---	1,02	up
6297819	7041584	989458	---	---	---	2,55	up
6297825	7078815	1076983	---	---	---	1,19	down
6297966	7098867	1124950	---	---	---	1,35	down
6298001	7240569	1475375	---	---	---	1,09	down
6298006	7107926	1146832	---	---	---	1,10	down
6298165	7070836	1058354	---	---	---	1,24	down
6298295	7156114	1266043	---	---	---	1,10	up
6298301	7359453	1768450	---	---	---	1,26	down
6298452	7098077	1122807	---	---	---	1,09	down
6298532	7337872	1714463	---	---	---	1,86	up
6298546	7272577	1554283	---	---	---	1,16	down
6298547	7053786	1018130	---	---	---	2,42	down
6298634	7106776	1144105	---	---	---	1,12	down
6298635	7284153	1583018	---	---	---	1,13	up
6298821	7093936	1112477	---	---	---	1,04	up
6298907	7088432	1099412	---	---	---	1,23	down
6298917	7052933	1016212	---	---	---	1,11	up
6298929	7243363	1481587	---	---	---	1,66	up
6299078	7165644	1288023	---	---	---	1,04	down
6299155	7126400	1192532	---	---	---	1,78	up
6299208	7243647	1482445	---	---	---	1,06	down
6299288	7255911	1512232	---	---	---	1,16	up
6299344	7164949	1286418	---	---	---	1,37	up
6299394	7338101	1715190	---	---	---	2,35	down
6299420	7130889	1203863	---	---	---	1,61	down

6299428	7088625	1099869	---	---	---	1,34	down
6299462	7193987	1360670	---	---	---	1,01	up
6299533	7330238	1695937	---	---	---	1,15	down
6299604	7240569	1475363	---	---	---	2,18	up
6299665	7235840	1462995	---	---	---	1,23	up
6299693	7346229	1735593	---	---	---	1,67	down
6299761	7297589	1615681	---	---	---	1,13	down
6299815	7083021	1086215	---	---	---	1,13	up
6299817	7276650	1564134	---	---	---	1,86	up
6299835	7310851	1649637	---	---	---	1,02	up
6299878	7247907	1492237	---	---	---	1,41	down
6300158	7095066	1115268	---	---	---	1,25	up
6300180	7120671	1178994	---	---	---	1,19	down
6300202	7069721	1055314	---	---	---	2,19	up
6300270	7166867	1291291	---	---	---	1,15	down
6300294	7266544	1538337	---	---	---	1,08	down
6300340	7231533	1451501	---	---	---	1,20	up
6300370	7118503	1173581	---	---	---	1,12	up
6300458	7374740	1808620	---	---	---	1,27	up
6300493	7267204	1539856	---	---	---	1,45	down
6300504	7166855	1291264	---	---	---	1,20	up
6300680	7229856	1447073	---	---	---	1,11	down
6300714	7156611	1267351	---	---	---	1,23	up
6300758	7068259	1051618	---	---	---	2,48	down
6300849	7205944	1389486	---	---	---	1,21	up
6300933	7279533	1571916	---	---	---	1,02	up
6300978	7120550	1178704	---	---	---	1,34	down
6300988	7287337	1589970	---	---	---	2,34	down
6300994	7279806	1572566	---	---	---	1,14	up
6301048	7196331	1366381	---	---	---	1,07	down
6301158	7118234	1172822	---	---	---	1,12	up
6301245	7356333	1760498	---	---	---	1,10	up
6301271	7100523	1128915	---	---	---	1,47	down
6301305	7067670	1050319	---	---	---	1,12	up
6301342	7156052	1265759	---	---	---	1,18	up
6301409	7213908	1407693	---	---	---	1,17	up
6301494	7029119	958982	---	---	---	1,03	up
6301582	7234040	1458501	---	---	---	1,26	up
6301590	7182739	1332585	---	---	---	1,22	down
6301652	7141061	1228644	---	---	---	1,09	up
6301656	7080476	1080414	---	---	---	1,07	up
6301684	7330238	1695963	---	---	---	1,60	down
6301703	7359426	1768381	---	---	---	1,14	down
6301722	7115362	1165603	---	---	---	1,18	down
6301762	7205944	1389459	---	---	---	1,02	up
6301840	7360486	1770936	---	---	---	1,32	down
6302019	7194540	1362109	---	---	---	1,72	up
6302221	7253215	1505373	---	---	---	1,13	down
6302299	7269429	1545839	---	---	---	1,11	down
6302481	7256789	1514647	---	---	---	1,07	up
6302580	7165644	1288024	---	---	---	1,26	up
6302593	7240569	1475470	---	---	---	1,09	up
6302624	7301904	1626757	---	---	---	1,50	down
6302709	7310851	1649630	---	---	---	1,17	down
6302718	7259221	1520616	---	---	---	1,13	up
6302729	7361223	1772624	---	---	---	1,14	down
6302763	7196029	1365624	---	---	---	1,45	down

6302798	7205944	1389488	---	---	---	1,08	up
6302910	7211389	1402113	---	---	---	1,87	down
6302912	7103017	1135166	---	---	---	1,04	down
6303020	7193987	1360668	---	---	---	1,11	down
6303043	7200545	1376916	---	---	---	1,05	up
6303105	7324760	1683100	---	---	---	1,04	down
6303116	7089490	1102345	---	---	---	1,13	down
6303205	7281924	1577731	---	---	---	1,40	up
6303316	7185483	1338929	---	---	---	1,16	up
6303475	7368004	1789332	---	---	---	1,04	up
6303628	7228656	1444247	---	---	---	1,19	up
6303712	7290793	1598640	---	---	---	1,31	down
6303888	7280743	1574569	---	---	---	1,29	up
6304005	7146093	1240932	---	---	---	1,66	up
6304054	7156047	1265723	---	---	---	2,18	up
6304143	7279073	1570679	---	---	---	1,33	down
6304160	7029770	960151	---	---	---	1,67	down
6304197	7212718	1404970	---	---	---	1,33	down
6304251	7252877	1504750	---	---	---	1,52	up
6304252	7057226	1025432	---	---	---	1,36	down
6304338	7188138	1345032	---	---	---	1,05	down
6304380	7186240	1340825	---	---	---	1,03	up
6304435	7301807	1626302	---	---	---	2,34	down
6304563	7096461	1118260	---	---	---	1,33	up
6304596	7258455	1518730	---	---	---	1,19	up
6304773	7358048	1764798	---	---	---	1,05	down
6304818	7093936	1112473	---	---	---	2,05	up
6304832	7097485	1120943	---	---	---	1,30	up
6304852	7227433	1440989	---	---	---	1,28	down
6304922	7078982	1077309	---	---	---	1,16	down
6304943	7359789	1769163	---	---	---	1,18	down
6304966	7198210	1371007	---	---	---	2,20	down
6304987	7385253	1832225	---	---	---	1,64	down
6304989	7088544	1099685	---	---	---	1,07	up
6305040	7071969	1060900	---	---	---	1,64	down
6305058	7376073	1811715	---	---	---	1,21	down
6305068	7072748	1062594	---	---	---	1,29	up
6305097	7091609	1107061	---	---	---	1,24	up
6305185	7374324	1807506	---	---	---	1,16	down
6305219	7303777	1631911	---	---	---	1,19	up
6305285	7272110	1553031	---	---	---	1,20	down
6305335	7302327	1627690	---	---	---	1,07	down
6305359	7235069	1460989	---	---	---	1,40	down
6305395	7027350	954942	---	---	---	1,21	down
6305422	7197056	1367834	---	---	---	1,22	down
6305558	7280743	1574475	---	---	---	1,10	down
6305578	7059584	1030546	---	---	---	1,26	up
6305589	7280743	1574506	---	---	---	1,14	down
6305612	7341002	1722547	---	---	---	1,81	up
6305655	7339379	1718325	---	---	---	1,19	up
6305747	7225543	1435921	---	---	---	1,23	down
6305780	7196029	1365630	---	---	---	1,08	up
6305807	7069603	1055058	---	---	---	1,11	up
6305838	7117813	1171704	---	---	---	1,33	down
6306031	7363768	1778603	---	---	---	1,33	up
6306124	7305275	1635836	---	---	---	1,27	down
6306258	7100523	1128884	---	---	---	1,20	down

6306270	7300392	1622754	---	---	---	1,12	up
6306316	7222236	1428121	---	---	---	1,05	up
6306371	7254040	1507596	---	---	---	1,04	up
6306464	7238153	1468835	---	---	---	1,44	up
6306628	7205750	1389049	---	---	---	1,40	down
6306630	7063716	1040125	---	---	---	1,25	down
6306643	7215722	1412264	---	---	---	2,00	down
6306669	7117526	1171004	---	---	---	1,37	down
6306701	7235840	1462991	---	---	---	1,04	up
6306998	7367994	1789246	---	---	---	1,74	down
6307233	7156047	1265729	---	---	---	1,55	down
6307437	7092549	1109189	---	---	---	1,03	up
6307440	7136746	1217972	---	---	---	1,04	down
6307499	7280743	1574480	---	---	---	1,03	up
6307554	7363674	1778435	---	---	---	1,68	up
6307636	7211363	1402042	---	---	---	1,14	up
6307710	7131718	1205746	---	---	---	1,08	down
6307757	7280743	1574568	---	---	---	1,28	up
6307839	7213908	1407647	---	---	---	1,36	down
6307857	7336931	1711864	---	---	---	1,24	down
6307885	7345465	1733844	---	---	---	1,06	up
6307903	7176275	1315356	---	---	---	1,39	up
6307927	7168979	1297197	---	---	---	1,07	down
6308033	7189404	1348198	---	---	---	1,17	down
6308114	7120671	1179004	---	---	---	2,04	up
6308127	7055793	1022313	---	---	---	1,36	up
6308199	7179176	1322916	---	---	---	1,12	up
6308250	7087282	1096217	---	---	---	1,07	down
6308299	7115362	1165598	---	---	---	1,27	down
6308314	7140113	1226054	---	---	---	1,32	down
6308333	7244290	1484162	---	---	---	1,27	up
6308345	7248790	1494531	---	---	---	1,03	up
6308446	7378602	1817713	---	---	---	1,06	down
6308458	7295652	1610287	---	---	---	1,73	up
6308504	7078143	1075435	---	---	---	1,55	up
6308601	7213908	1407672	---	---	---	1,05	up
6308607	7252283	1503111	---	---	---	1,54	up
6308627	7247230	1490573	---	---	---	1,01	up
6308636	7339732	1719240	---	---	---	1,17	down
6308641	7092406	1108786	---	---	---	1,06	down
6308743	7142321	1231485	---	---	---	1,09	up
6308779	7158517	1271592	---	---	---	1,05	down
6308880	7131550	1205551	---	---	---	3,23	up
6308936	7171091	1302460	---	---	---	1,39	down
6308982	7343052	1727539	---	---	---	1,08	up
6309122	7267802	1541741	---	---	---	1,73	down
6309258	7069721	1055284	---	---	---	1,16	down
6309259	7360486	1770957	---	---	---	1,34	down
6309317	7243363	1481628	---	---	---	1,05	down
6309372	7312566	1653300	---	---	---	1,41	down
6309395	7330396	1696336	---	---	---	1,15	down
6309417	7302787	1628904	---	---	---	1,54	down
6309535	7231775	1452133	---	---	---	1,16	up
6309662	7107321	1145324	---	---	---	1,04	up
6309858	7213908	1407690	---	---	---	1,03	up
6309909	7166855	1291271	---	---	---	1,21	down
6309912	7353284	1752981	---	---	---	1,28	up

6309966	7253215	1505369	---	---	---	1,05	up
6310025	7361223	1772619	---	---	---	1,15	down
6310068	7336854	1711687	---	---	---	1,70	down
6310153	7212587	1404639	---	---	---	1,15	up
6310159	7276650	1564139	---	---	---	1,22	up
6310219	7381352	1823743	---	---	---	1,11	down
6310265	7029119	958979	---	---	---	1,28	up
6310298	7295652	1610301	---	---	---	1,11	up
6310307	7099973	1127535	---	---	---	1,66	down
6310350	7318286	1668329	---	---	---	1,02	down
6310367	7228530	1443903	---	---	---	1,12	down
6310576	7212718	1404970	---	---	---	1,60	down
6310603	7069603	1055043	---	---	---	1,22	up
6310665	7286613	1588470	---	---	---	1,04	down
6310675	7182739	1332589	---	---	---	1,56	up
6310692	7281877	1577533	---	---	---	1,13	down
6310761	7182133	1330843	---	---	---	2,00	down
6310775	7360486	1771014	---	---	---	1,01	up
6310778	7110999	1154773	---	---	---	1,09	down
6310863	7274892	1559580	---	---	---	1,17	down
6310974	7142416	1231792	---	---	---	1,01	up
6311016	7285530	1585970	---	---	---	2,18	up
6311111	7119179	1174992	---	---	---	1,01	down
6311200	7086966	1095257	---	---	---	1,31	up
6311239	7073854	1065631	---	---	---	1,32	up
6311246	7279533	1571917	---	---	---	1,00	down
6311352	7346687	1736688	---	---	---	1,07	up
6311457	7245921	1487686	---	---	---	1,25	down
6311476	7286807	1588820	---	---	---	1,11	down
6311515	7176456	1315830	---	---	---	1,21	up
6311613	7364948	1781228	---	---	---	1,13	down
6311964	7291909	1601127	---	---	---	1,42	up
6311969	7282831	1579771	---	---	---	1,63	down
6312121	7185315	1338604	---	---	---	1,06	down
6312145	7128921	1198516	---	---	---	1,10	down
6312213	7243647	1482429	---	---	---	1,19	down
6312316	7302860	1629006	---	---	---	1,00	up
6312423	7241163	1476819	---	---	---	1,45	up
6312515	7356619	1761345	---	---	---	1,56	down
6312563	7182739	1332591	---	---	---	1,02	down
6312590	7078666	1076507	---	---	---	1,17	up
6312617	7377116	1814067	---	---	---	1,22	down
6312715	7165954	1288770	---	---	---	1,48	down
6312717	7376820	1813394	---	---	---	1,47	up
6312739	7318714	1669230	---	---	---	1,17	up
6312740	7193056	1358266	---	---	---	1,26	down
6312750	7355244	1758140	---	---	---	3,20	up
6312798	7044906	998125	---	---	---	1,19	down
6312821	7264745	1534272	---	---	---	2,63	up
6312858	7247907	1492247	---	---	---	1,17	down
6312913	7280743	1574534	---	---	---	1,12	down
6312935	7148741	1247855	---	---	---	1,29	up
6312954	7341546	1723950	---	---	---	1,41	down
6312955	7384509	1830725	---	---	---	1,18	up
6312969	7041486	989218	---	---	---	1,13	down
6313016	7073677	1065134	---	---	---	1,53	up
6313035	7039302	983843	---	---	---	1,11	up

6313108	7231484	1451392	---	---	---	1,65	up
6313202	7088489	1099529	---	---	---	1,03	up
6313210	7363576	1778195	---	---	---	1,70	up
6313226	7120468	1178510	---	---	---	1,52	down
6313275	7059971	1031467	---	---	---	1,50	up
6313292	7231533	1451501	---	---	---	1,62	up
6313389	7376073	1811692	---	---	---	1,05	down
6313396	7217747	1417498	---	---	---	1,26	down
6313424	7377791	1815997	---	---	---	1,30	down
6313443	7148741	1247839	---	---	---	1,01	down
6313508	7378997	1818655	---	---	---	1,35	up
6313559	7089080	1101168	---	---	---	1,09	down
6313608	7195680	1364875	---	---	---	1,43	up
6313802	7243647	1482479	---	---	---	1,17	up
6313876	7088135	1098419	---	---	---	1,06	down
6313897	7142321	1231525	---	---	---	1,46	down
6313928	7376073	1811729	---	---	---	1,18	up
6313957	7112355	1158071	---	---	---	1,01	down
6313968	7144782	1237784	---	---	---	1,45	down
6313974	7236358	1464255	---	---	---	1,56	up
6313977	7243647	1482488	---	---	---	1,08	up
6314015	7076236	1071197	---	---	---	1,38	down
6314021	7238202	1468949	---	---	---	1,12	up
6314050	7127691	1195630	---	---	---	1,09	up
6314117	7180732	1326728	---	---	---	1,39	down
6314244	7208784	1396114	---	---	---	1,99	up
6314288	7099573	1126711	---	---	---	1,13	down
6314302	7264745	1534278	---	---	---	1,17	down
6314374	7183182	1333564	---	---	---	1,80	up
6314378	7378997	1818676	---	---	---	1,06	up
6314836	7217143	1415586	---	---	---	2,77	down
6314858	7041061	988074	---	---	---	1,28	down
6315035	7258455	1518700	---	---	---	1,17	up
6315059	7166867	1291334	---	---	---	1,28	up
6315080	7200152	1376050	---	---	---	1,05	down
6315146	7269911	1546912	---	---	---	1,20	down
6315238	7239752	1473197	---	---	---	1,06	down
6315320	7306680	1639571	---	---	---	1,07	down
6315447	7095041	1115169	---	---	---	1,06	up
6315589	7087500	1096725	---	---	---	1,35	up
6315642	7378997	1818640	---	---	---	1,20	up
6315684	7148978	1248541	---	---	---	1,10	down
6315727	7360486	1770959	---	---	---	1,08	down
6315735	7109730	1151737	---	---	---	1,00	down
6315737	7343052	1727507	---	---	---	1,05	down
6315785	7067670	1050366	---	---	---	1,15	up
6315869	7040442	986500	---	---	---	1,15	up
6315900	7253215	1505370	---	---	---	1,50	up
6315946	7350993	1747557	---	---	---	1,80	down
6315950	7352044	1750003	---	---	---	2,02	up
6315992	7212698	1404871	---	---	---	1,87	up
6316023	7333462	1703646	---	---	---	1,08	up
6316036	7035525	974757	---	---	---	1,02	down
6316061	7360325	1770493	---	---	---	1,10	down
6316066	7374790	1808765	---	---	---	1,17	up
6316095	7295652	1610271	---	---	---	1,12	up
6316215	7370002	1795778	---	---	---	2,12	down

6316242	7132125	1206640	---	---	---	1,16	up
6316265	7240569	1475464	---	---	---	1,14	up
6316276	7053874	1018322	---	---	---	1,65	up
6316390	7263348	1530806	---	---	---	1,14	up
6316423	7080476	1080407	---	---	---	1,25	down
6316440	7182000	1330404	---	---	---	1,01	up
6316567	7209927	1398936	---	---	---	1,11	down
6316692	7341274	1723399	---	---	---	1,29	down
6316827	7141061	1228643	---	---	---	1,05	up
6316894	7341264	1723350	---	---	---	1,30	up
6316976	7383102	1827387	---	---	---	1,83	up
6317012	7274780	1559239	---	---	---	1,16	down
6317018	7071292	1059446	---	---	---	1,19	up
6317103	7363147	1777030	---	---	---	1,13	up
6317149	7378981	1818552	---	---	---	1,29	down
6317316	7331757	1700023	---	---	---	1,38	down
6317377	7076160	1070882	---	---	---	1,13	up
6317409	7279568	1572032	---	---	---	1,62	up
6317549	7344380	1731118	---	---	---	1,13	down
6317796	7292517	1602557	---	---	---	1,11	down
6317844	7155866	1265331	---	---	---	1,08	up
6318034	7058713	1028669	---	---	---	1,35	up
6318060	7030037	960715	---	---	---	1,01	up
6318136	7259221	1520631	---	---	---	1,09	up
6318145	7260488	1523936	---	---	---	1,19	up
6318179	7084193	1089070	---	---	---	1,83	down
6318249	7025310	949244	---	---	---	1,43	down
6318270	7131876	1206059	---	---	---	1,67	up
6318297	7203074	1382783	---	---	---	1,03	up
6318305	7069830	1055590	---	---	---	1,78	down
6318348	7153136	1258042	---	---	---	1,53	down
6318376	7117526	1170978	---	---	---	1,01	down
6318425	7373678	1805865	---	---	---	1,23	down
6318485	7367990	1789225	---	---	---	1,55	up
6318502	7355044	1757435	---	---	---	1,13	down
6318538	7361881	1773932	---	---	---	1,30	up
6318581	7114274	1162813	---	---	---	1,52	up
6318668	7071741	1060453	---	---	---	1,15	down
6318675	7038530	981880	---	---	---	1,79	up
6318806	7168521	1295887	---	---	---	1,15	up
6318852	7075445	1069343	---	---	---	2,15	up
6318888	7280982	1575265	---	---	---	1,25	up
6318932	7353997	1754703	---	---	---	1,09	up
6318939	7381330	1823634	---	---	---	1,68	up
6318948	7069830	1055624	---	---	---	1,18	up
6319116	7255911	1512235	---	---	---	1,18	up
6319218	7090581	1104740	---	---	---	1,76	up
6319242	7139708	1225051	---	---	---	1,82	up
6319350	7195680	1364889	---	---	---	1,35	down
6319471	7087965	1098063	---	---	---	1,32	down
6319488	7320735	1674188	---	---	---	1,15	down
6319506	7330396	1696343	---	---	---	1,67	up
6319521	7092549	1109186	---	---	---	1,25	down
6319538	7374317	1807415	---	---	---	1,68	down
6319539	7239303	1471999	---	---	---	1,04	down
6319583	7049508	1008560	---	---	---	1,37	up
6319600	7090581	1104741	---	---	---	4,04	up

6319720	7339387	1718395	---	---	---	1,09	up
6319758	7069603	1055039	---	---	---	1,02	up
6319772	7088625	1099881	---	---	---	1,11	up
6319897	7211389	1402112	---	---	---	1,42	up
6319945	7053874	1018321	---	---	---	1,28	down
6319985	7150047	1250768	---	---	---	1,04	up
6320033	7141061	1228697	---	---	---	2,14	down
6320039	7185355	1338695	---	---	---	1,12	up
6320047	7205750	1388924	---	---	---	1,09	down
6320178	7127540	1195273	---	---	---	1,06	up
6320264	7228656	1444247	---	---	---	1,18	up
6320268	7039223	983564	---	---	---	1,23	up
6320332	7211363	1402052	---	---	---	1,12	up
6320351	7083031	1086280	---	---	---	2,06	down
6320354	7330238	1695931	---	---	---	1,02	up
6320401	7247334	1490817	---	---	---	2,62	up
6320466	7361881	1773938	---	---	---	1,04	down
6320468	7214605	1409373	---	---	---	1,31	down
6320514	7354935	1757098	---	---	---	1,06	down
6320528	7253272	1505690	---	---	---	1,32	up
6320544	7350489	1746115	---	---	---	1,09	up
6320588	7374324	1807452	---	---	---	1,20	up
6320671	7030037	960707	---	---	---	1,41	up
6320728	7030519	961702	---	---	---	1,10	down
6320769	7336288	1710269	---	---	---	2,06	up
6320788	7335637	1708476	---	---	---	1,05	up
6320835	7205944	1389492	---	---	---	1,14	down
6320861	7279303	1571206	---	---	---	2,15	down
6320909	7188829	1346668	---	---	---	1,09	down
6320986	7099573	1126706	---	---	---	1,01	down
6321060	7383823	1828942	---	---	---	1,61	down
6321173	7357026	1762226	---	---	---	1,38	up
6321174	7358859	1767000	---	---	---	1,37	up
6321229	7100523	1128854	---	---	---	1,08	up
6321254	7212718	1404944	---	---	---	1,31	up
6321354	7214605	1409405	---	---	---	3,17	down
6321367	7225543	1435915	---	---	---	1,09	up
6321486	7132125	1206602	---	---	---	1,70	down
6321504	7337425	1713180	---	---	---	1,16	up
6321508	7127691	1195638	---	---	---	1,00	down
6321515	7236131	1463743	---	---	---	2,69	up
6321518	7267802	1541753	---	---	---	1,18	down
6321689	7155116	1263437	---	---	---	1,22	down
6321693	7193056	1358262	---	---	---	1,09	down
6321723	7307424	1641142	---	---	---	1,02	down
6321801	7337425	1713192	---	---	---	1,17	down
6321810	7376828	1813465	---	---	---	1,12	up
6321817	7302787	1628897	---	---	---	1,18	up
6321864	7216309	1413742	---	---	---	1,26	up
6321901	7153136	1258055	---	---	---	1,05	up
6321914	7035525	974788	---	---	---	1,16	up
6321936	7168439	1295668	---	---	---	1,01	down
6321949	7177180	1317778	---	---	---	1,63	down
6322067	7244936	1485370	---	---	---	2,06	down
6322093	7093752	1112008	---	---	---	1,80	up
6322157	7198210	1370963	---	---	---	1,58	down
6322223	7237814	1467840	---	---	---	1,04	up

6322226	7257337	1515979	---	---	---	1,49	down
6322322	7307473	1641285	---	---	---	1,09	up
6322350	7243647	1482422	---	---	---	1,00	up
6322369	7197056	1367847	---	---	---	1,12	up
6322427	7196769	1367260	---	---	---	1,06	down
6322485	7105814	1141775	---	---	---	1,01	up
6322490	7240569	1475455	---	---	---	1,01	down
6322501	7364346	1779969	---	---	---	1,03	down
6322520	7162144	1280518	---	---	---	1,52	up
6322542	7313538	1655712	---	---	---	1,06	up
6322576	7237814	1467827	---	---	---	1,07	up
6322636	7149817	1250308	---	---	---	1,90	up
6322637	7309738	1646960	---	---	---	1,01	up
6322760	7382499	1826256	---	---	---	1,26	down
6322825	7028326	957442	---	---	---	1,24	down
6322858	7177428	1318365	---	---	---	1,74	up
6322906	7267344	1540264	---	---	---	1,21	up
6322931	7141151	1228925	---	---	---	2,01	down
6322932	7256191	1512880	---	---	---	1,61	down
6322946	7041584	989452	---	---	---	1,40	up
6322999	7056736	1024423	---	---	---	1,02	up
6323008	7086044	1092939	---	---	---	1,83	down
6323078	7376073	1811696	---	---	---	1,07	up
6323102	7049184	1007936	---	---	---	1,46	down
6323145	7099573	1126739	---	---	---	1,13	up
6323218	7142416	1231818	---	---	---	1,06	down
6323245	7052331	1014599	---	---	---	1,10	up
6323330	7237992	1468284	---	---	---	1,31	down
6323364	7297589	1615681	---	---	---	1,13	up
6323440	7244288	1484107	---	---	---	2,41	up
6323485	7062233	1037240	---	---	---	1,80	down
6323522	7318714	1669227	---	---	---	1,00	down
6323557	7059584	1030548	---	---	---	1,44	down
6323577	7212735	1405027	---	---	---	1,07	down
6323621	7235069	1460989	---	---	---	1,02	down
6323639	7217650	1417161	---	---	---	1,54	up
6323647	7315571	1660977	---	---	---	1,30	down
6323688	7374324	1807476	---	---	---	1,00	down
6323751	7235794	1462890	---	---	---	1,02	down
6323808	7264085	1532719	---	---	---	1,13	down
6323873	7243253	1481224	---	---	---	1,12	down
6323911	7297589	1615598	---	---	---	1,29	up
6323947	7097536	1121127	---	---	---	1,76	down
6324048	7095066	1115268	---	---	---	1,31	up
6324070	7095021	1115137	---	---	---	1,55	up
6324094	7244287	1484069	---	---	---	2,08	down
6324184	7380497	1821831	---	---	---	1,17	down
6324224	7363568	1778132	---	---	---	1,02	up
6324275	7093835	1112222	---	---	---	1,45	down
6324427	7300906	1624053	---	---	---	1,89	up
6324450	7267802	1541787	---	---	---	1,16	up
6324497	7378524	1817520	---	---	---	1,09	down
6324564	7030037	960701	---	---	---	2,75	up
6324573	7238115	1468655	---	---	---	1,09	down
6324585	7109292	1150745	---	---	---	1,41	down
6324726	7257651	1516926	---	---	---	1,26	down
6324839	7155116	1263421	---	---	---	1,28	up

6324841	7319259	1670404	---	---	---	1,01	up
6324948	7148978	1248506	---	---	---	1,73	up
6324978	7292178	1601745	---	---	---	1,10	up
6325040	7194540	1362123	---	---	---	1,14	up
6325049	7096924	1119625	---	---	---	1,62	down
6325091	7318596	1668937	---	---	---	1,22	up
6325111	7221443	1426316	---	---	---	1,22	up
6325138	7158517	1271594	---	---	---	1,53	down
6325195	7353224	1752669	---	---	---	1,02	up
6325272	7235393	1461720	---	---	---	3,25	down
6325282	7356333	1760497	---	---	---	1,30	down
6325306	7191983	1355173	---	---	---	1,38	up
6325313	7149817	1250302	---	---	---	1,15	down
6325365	7280743	1574547	---	---	---	1,32	down
6325383	7267204	1539858	---	---	---	1,04	up
6325561	7165954	1288770	---	---	---	1,22	down
6325620	7240569	1475452	---	---	---	1,04	down
6325668	7031774	964776	---	---	---	1,19	up
6325674	7139026	1223494	---	---	---	1,01	up
6325721	7033504	969862	---	---	---	1,03	up
6325816	7069464	1054671	---	---	---	1,05	down
6325969	7034293	971932	---	---	---	1,06	up
6325973	7148741	1247826	---	---	---	1,07	down
6326091	7212587	1404650	---	---	---	1,01	down
6326150	7312686	1653621	---	---	---	1,01	up
6326159	7138243	1221688	---	---	---	1,59	down
6326171	7123421	1185841	---	---	---	1,35	up
6326180	7233442	1456946	---	---	---	1,08	down
6326211	7318286	1668336	---	---	---	1,16	down
6326247	7363529	1777924	---	---	---	1,02	up
6326474	7078143	1075450	---	---	---	1,96	up
6326563	7095021	1115131	---	---	---	1,07	up
6326682	7148741	1247825	---	---	---	1,48	up
6326743	7141061	1228643	---	---	---	1,46	down
6326760	7350489	1746122	---	---	---	1,76	up
6326781	7172691	1306443	---	---	---	1,25	up
6326800	7374324	1807526	---	---	---	1,06	down
6326846	7092549	1109144	---	---	---	1,23	down
6326904	7286807	1588827	---	---	---	1,21	up
6326942	7059020	1029342	---	---	---	1,15	down
6326943	7149817	1250307	---	---	---	2,23	up
6326950	7039725	984816	---	---	---	1,38	down
6327042	7373678	1805876	---	---	---	1,04	down
6327097	7050878	1011551	---	---	---	1,30	down
6327104	7364346	1780006	---	---	---	1,26	up
6327143	7254040	1507591	---	---	---	1,00	up
6327168	7082098	1084123	---	---	---	1,32	down
6327245	7121849	1181766	---	---	---	1,39	up
6327272	7028326	957433	---	---	---	1,02	up
6327295	7071714	1060356	---	---	---	1,19	up
6327369	7106752	1144057	---	---	---	1,12	down
6327419	7373633	1805711	---	---	---	1,37	down
6327475	7293234	1604333	---	---	---	1,15	up
6327600	7062233	1037197	---	---	---	1,37	up
6327625	7231775	1452135	---	---	---	1,35	up
6327635	7095041	1115188	---	---	---	1,00	up
6327743	7255510	1511320	---	---	---	1,32	down

6327782	7126400	1192533	---	---	---	1,07	down
6327859	7056106	1022971	---	---	---	1,16	up
6327926	7351953	1749875	---	---	---	1,22	up
6327930	7339379	1718310	---	---	---	1,32	down
6327953	7205750	1388930	---	---	---	1,04	down
6328076	7213908	1407688	---	---	---	1,17	down
6328225	7064134	1041425	---	---	---	1,29	down
6328238	7034356	972174	---	---	---	1,32	up
6328259	7053874	1018310	---	---	---	1,12	down
6328260	7370002	1795769	---	---	---	1,98	down
6328337	7168521	1295963	---	---	---	1,24	up
6328349	7092549	1109153	---	---	---	1,12	up
6328440	7189669	1348981	---	---	---	1,68	up
6328506	7108434	1148314	---	---	---	1,24	down
6328513	7355041	1757405	---	---	---	1,16	up
6328525	7088489	1099521	---	---	---	1,37	down
6328572	7240569	1475506	---	---	---	1,03	down
6328575	7317708	1666829	---	---	---	1,13	down
6328586	7196029	1365616	---	---	---	1,04	up
6328594	7330181	1695696	---	---	---	1,52	down
6328655	7095041	1115170	---	---	---	1,07	up
6328808	7101362	1130827	---	---	---	1,23	down
6328869	7377116	1814067	---	---	---	1,12	down
6328929	7148741	1247825	---	---	---	1,17	down
6328942	7295410	1609792	---	---	---	1,40	up
6329114	7378997	1818641	---	---	---	1,17	up
6329139	7335637	1708464	---	---	---	1,92	down
6329195	7029770	960156	---	---	---	1,19	up
6329263	7087965	1098018	---	---	---	3,98	up
6329275	7340304	1720864	---	---	---	2,15	down
6329374	7374324	1807466	---	---	---	1,11	up
6329433	7264797	1534420	---	---	---	1,15	down
6329457	7353287	1753033	---	---	---	1,72	down
6329771	7050716	1011221	---	---	---	1,13	down
6329800	7249917	1497392	---	---	---	1,43	up
6329935	7041609	989572	---	---	---	1,77	down
6329946	7060195	1031959	---	---	---	1,05	down
6330028	7321029	1674816	---	---	---	1,02	up
6330066	7171091	1302460	---	---	---	1,91	down
6330087	7293234	1604358	---	---	---	2,23	down
6330089	7266530	1538289	---	---	---	1,72	up
6330156	7253215	1505380	---	---	---	2,21	down
6330197	7171091	1302460	---	---	---	1,92	up
6330357	7227433	1440994	---	---	---	1,04	down
6330365	7079326	1077974	---	---	---	1,53	up
6330373	7069253	1054166	---	---	---	1,43	up
6330399	7317274	1665628	---	---	---	1,27	down
6330427	7070836	1058347	---	---	---	1,53	up
6330529	7368004	1789328	---	---	---	1,19	down
6330545	7039223	983569	---	---	---	1,32	up
6330626	7052957	1016261	---	---	---	1,58	down
6330663	7213908	1407757	---	---	---	2,21	up
6330743	7132125	1206606	---	---	---	1,00	up
6330754	7341038	1722683	---	---	---	1,54	down
6330768	7146093	1240908	---	---	---	1,51	up
6330794	7033504	969858	---	---	---	1,15	down
6330817	7100523	1128913	---	---	---	1,27	up

6330858	7265259	1535437	---	---	---	1,82	up
6330911	7322260	1677067	---	---	---	1,00	up
6330913	7080476	1080412	---	---	---	1,16	down
6330914	7176275	1315356	---	---	---	1,17	up
6330931	7142081	1230979	---	---	---	2,18	down
6330951	7142081	1230973	---	---	---	1,56	down
6331088	7040442	986499	---	---	---	1,28	down
6331113	7284901	1584807	---	---	---	1,10	down
6331133	7231834	1452273	---	---	---	1,03	down
6331136	7341274	1723396	---	---	---	1,13	up
6331151	7330396	1696341	---	---	---	1,10	up
6331156	7128704	1198021	---	---	---	1,35	down
6331260	7247230	1490575	---	---	---	1,44	down
6331301	7227433	1440969	---	---	---	1,24	down
6331308	7363529	1777905	---	---	---	1,05	down
6331311	7083030	1086268	---	---	---	1,12	down
6331318	7034293	971970	---	---	---	1,08	up
6331336	7243363	1481594	---	---	---	1,36	up
6331340	7152981	1257717	---	---	---	1,06	up
6331369	7039532	984423	---	---	---	1,21	down
6331370	7212587	1404634	---	---	---	1,10	down
6331380	7149934	1250514	---	---	---	1,08	up
6331519	7278010	1568042	---	---	---	1,05	up
6331599	7227433	1440985	---	---	---	1,34	up
6331612	7351568	1748826	---	---	---	1,13	up
6331774	7306330	1638529	---	---	---	1,07	up
6331865	7243363	1481628	---	---	---	1,10	up
6331954	7069721	1055315	---	---	---	1,07	down
6332050	7233513	1457172	---	---	---	1,56	up
6332314	7374324	1807458	---	---	---	1,15	up
6332342	7329802	1694915	---	---	---	1,35	down
6332358	7110999	1154758	---	---	---	1,00	down
6332367	7328985	1693165	---	---	---	1,28	up
6332505	7277742	1567166	---	---	---	2,14	up
6332651	7031774	964648	---	---	---	1,39	up
6332676	7215722	1412265	---	---	---	1,41	down
6332721	7274780	1559211	---	---	---	1,03	down
6332751	7356115	1760114	---	---	---	1,27	up
6332775	7274780	1559214	---	---	---	1,11	down
6332873	7186464	1341379	---	---	---	1,14	down
6333011	7260488	1523933	---	---	---	1,02	down
6333093	7170764	1301478	---	---	---	1,06	down
6333094	7366749	1785494	---	---	---	1,27	down
6333105	7376566	1812849	---	---	---	1,78	up
6333117	7282927	1579988	---	---	---	2,34	down
6333149	7096461	1118257	---	---	---	1,08	up
6333296	7083021	1086219	---	---	---	1,55	up
6333306	7147809	1245461	---	---	---	1,91	up
6333319	7190534	1351225	---	---	---	1,04	up
6333382	7148741	1247854	---	---	---	1,05	down
6333384	7344530	1731561	---	---	---	1,11	down
6333398	7239303	1471954	---	---	---	1,07	down
6333402	7250511	1498638	---	---	---	1,23	down
6333575	7167325	1292547	---	---	---	1,82	down
6333643	7068259	1051655	---	---	---	1,88	up
6333784	7122140	1182700	---	---	---	1,16	down
6333910	7344530	1731573	---	---	---	1,17	up

6333921	7350237	1745487	---	---	---	1,16	up
6333988	7383102	1827383	---	---	---	1,20	down
6333989	7093936	1112463	---	---	---	1,29	down
6333993	7172373	1305564	---	---	---	1,50	up
6333996	7264797	1534422	---	---	---	1,03	down
6334160	7168979	1297190	---	---	---	1,05	down
6334352	7356115	1760122	---	---	---	2,55	up
6334451	7050716	1011223	---	---	---	1,07	up
6334533	7059971	1031465	---	---	---	1,07	down
6334567	7259131	1520421	---	---	---	1,10	down
6334582	7067670	1050342	---	---	---	1,05	up
6334584	7285530	1585966	---	---	---	1,17	down
6334626	7292178	1601735	---	---	---	1,30	up
6334648	7259925	1522558	---	---	---	1,13	up
6334698	7146872	1242905	---	---	---	1,25	down
6334771	7213294	1406094	---	---	---	1,14	up
6334775	7319055	1669947	---	---	---	1,12	up
6334798	7339834	1719555	---	---	---	1,01	up
6334866	7374324	1807497	---	---	---	1,06	up
6334928	7324760	1683042	---	---	---	1,41	up
6334930	7184151	1335961	---	---	---	1,19	up
6335057	7340757	1721901	---	---	---	1,37	down
6335181	7270397	1548130	---	---	---	1,45	down
6335227	7103782	1136947	---	---	---	1,11	up
6335321	7172691	1306453	---	---	---	1,12	down
6335332	7194540	1362095	---	---	---	1,77	down
6335432	7172373	1305588	---	---	---	1,29	up
6335469	7315934	1661987	---	---	---	3,34	down
6335507	7330238	1695925	---	---	---	1,62	down
6335628	7183927	1335502	---	---	---	1,02	down
6335630	7071714	1060354	---	---	---	1,15	down
6335787	7352044	1750016	---	---	---	1,40	down
6335882	7337425	1713181	---	---	---	1,05	down
6336045	7255517	1511369	---	---	---	1,04	down
6336060	7096924	1119605	---	---	---	1,84	down
6336062	7127022	1194063	---	---	---	2,58	up
6336148	7374324	1807453	---	---	---	1,16	up
6336150	7229061	1445321	---	---	---	1,28	up
6336153	7260066	1522885	---	---	---	1,37	up
6336162	7380497	1821864	---	---	---	1,07	up
6336275	7376073	1811706	---	---	---	1,43	down
6336303	7349817	1744602	---	---	---	1,02	up
6336347	7340304	1720858	---	---	---	1,41	up
6336352	7337224	1712625	---	---	---	1,61	up
6336376	7292869	1603425	---	---	---	1,30	down
6336460	7191594	1354227	---	---	---	2,01	up
6336595	7326245	1686391	---	---	---	1,04	up
6336700	7361075	1772343	---	---	---	1,05	down
6336726	7071292	1059461	---	---	---	1,59	up
6336759	7186688	1341842	---	---	---	1,40	down
6336779	7180943	1327442	---	---	---	1,48	up
6336841	7148978	1248550	---	---	---	1,19	up
6336910	7383102	1827384	---	---	---	2,03	down
6336957	7243901	1483062	---	---	---	1,03	up
6337008	7084716	1090109	---	---	---	1,42	down
6337017	7070836	1058353	---	---	---	1,01	down
6337208	7160053	1275381	---	---	---	1,11	up

6337408	7205944	1389480	---	---	---	1,31	up
6337416	7068695	1052733	---	---	---	3,14	up
6337463	7244290	1484145	---	---	---	1,03	up
6337493	7058507	1028325	---	---	---	1,05	down
6337504	7243647	1482434	---	---	---	1,19	up
6337516	7133484	1209945	---	---	---	1,36	down
6337561	7236131	1463788	---	---	---	1,10	up
6337566	7322388	1677328	---	---	---	1,02	up
6337584	7377791	1815989	---	---	---	1,26	down
6337587	7223395	1431072	---	---	---	1,01	down
6337588	7213945	1407830	---	---	---	1,65	up
6337652	7351844	1749506	---	---	---	1,06	up
6337735	7137646	1220429	---	---	---	2,17	down
6337768	7243901	1483055	---	---	---	1,01	up
6337891	7240569	1475369	---	---	---	1,25	up
6337947	7109292	1150725	---	---	---	2,01	down
6338023	7330238	1695960	---	---	---	1,51	up
6338066	7217434	1416409	---	---	---	1,28	down
6338088	7353284	1752983	---	---	---	1,03	down
6338199	7115362	1165598	---	---	---	1,08	up
6338287	7181105	1327962	---	---	---	1,13	down
6338305	7168309	1295359	---	---	---	1,08	up
6338334	7318714	1669234	---	---	---	1,20	up
6338398	7052176	1014215	---	---	---	1,03	up
6338459	7030454	961549	---	---	---	1,15	up
6338492	7114274	1162811	---	---	---	1,06	down
6338546	7307424	1641142	---	---	---	1,78	up
6338600	7326245	1686392	---	---	---	1,75	up
6339055	7373678	1805853	---	---	---	1,01	up
6339092	7040442	986548	---	---	---	1,03	down
6339132	7360486	1770998	---	---	---	1,13	down
6339208	7341002	1722551	---	---	---	1,79	up
6339435	7320735	1674173	---	---	---	1,07	up
6339440	7065860	1045809	---	---	---	2,05	down
6339441	7132125	1206603	---	---	---	1,01	up
6339442	7281577	1576889	---	---	---	1,53	up
6339534	7063716	1040125	---	---	---	1,01	up
6339544	7314270	1657740	---	---	---	1,06	up
6339626	7038530	981865	---	---	---	1,07	down
6339736	7100307	1128385	---	---	---	1,03	up
6339741	7125494	1190404	---	---	---	1,32	down
6339777	7238414	1469559	---	---	---	1,38	down
6339815	7208784	1396132	---	---	---	1,03	up
6339862	7075460	1069388	---	---	---	1,21	up
6339963	7363147	1777013	---	---	---	2,03	up
6340030	7094139	1112898	---	---	---	1,43	down
6340113	7231834	1452268	---	---	---	1,06	down
6340121	7238115	1468584	---	---	---	1,07	up
6340129	7131718	1205745	---	---	---	1,39	down
6340150	7057462	1025857	---	---	---	1,08	up
6340257	7257337	1515983	---	---	---	1,16	down
6340324	7373633	1805706	---	---	---	1,29	down
6340364	7238252	1469294	---	---	---	1,04	down
6340600	7244287	1484062	---	---	---	1,02	up
6340869	7186464	1341360	---	---	---	1,06	down
6340913	7094008	1112615	---	---	---	1,21	down
6340938	7374317	1807395	---	---	---	1,45	up

6340987	7264085	1532719	---	---	---	1,19	down
6341011	7341264	1723357	---	---	---	1,13	up
6341033	7277783	1567465	---	---	---	1,34	up
6341078	7382499	1826256	---	---	---	2,81	up
6341207	7141151	1228924	---	---	---	1,24	down
6341215	7240569	1475510	---	---	---	1,01	down
6341270	7288077	1591967	---	---	---	1,34	down
6341326	7082098	1084109	---	---	---	1,03	up
6341422	7120671	1179000	---	---	---	1,10	down
6341424	7148978	1248477	---	---	---	1,01	down
6341458	7204917	1387128	---	---	---	1,29	down
6341540	7029770	960155	---	---	---	1,81	down
6341564	7295652	1610290	---	---	---	1,16	down
6341665	7336039	1709685	---	---	---	2,08	down
6341714	7073854	1065621	---	---	---	1,53	up
6341903	7318596	1668936	---	---	---	2,50	down
6341961	7359460	1768472	---	---	---	1,13	up
6341967	7337845	1714335	---	---	---	1,03	down
6342036	7180732	1326739	---	---	---	1,14	up
6342041	7166867	1291328	---	---	---	1,16	down
6342087	7112355	1158085	---	---	---	1,28	up
6342141	7339379	1718316	---	---	---	1,40	up
6342146	7123421	1185846	---	---	---	1,11	up
6342152	7317274	1665627	---	---	---	1,10	down
6342163	7249019	1495084	---	---	---	1,58	down
6342181	7289075	1594474	---	---	---	1,15	up
6342189	7112566	1158633	---	---	---	1,24	up
6342228	7049689	1008873	---	---	---	1,20	up
6342282	7116540	1168645	---	---	---	1,59	down
6342394	7376073	1811720	---	---	---	1,16	down
6342424	7231834	1452269	---	---	---	1,48	down
6342474	7088489	1099527	---	---	---	1,34	up
6342483	7177428	1318397	---	---	---	1,01	down
6342558	7359789	1769130	---	---	---	1,16	up
6342604	7377304	1814590	---	---	---	1,02	up
6342663	7073854	1065632	---	---	---	1,49	down
6342820	7373678	1805879	---	---	---	1,42	down
6342865	7374324	1807529	---	---	---	1,30	up
6343007	7253408	1505947	---	---	---	1,03	down
6343041	7337425	1713178	---	---	---	2,07	up
6343120	7340757	1721906	---	---	---	1,71	down
6343123	7355041	1757405	---	---	---	2,15	down
6343169	7041140	988284	---	---	---	1,24	up
6343184	7336854	1711688	---	---	---	1,05	up
6343228	7069830	1055622	---	---	---	1,29	up
6343316	7243901	1483052	---	---	---	1,02	up
6343400	7303777	1631909	---	---	---	1,03	up
6343528	7116540	1168645	---	---	---	1,28	down
6343535	7243363	1481583	---	---	---	1,07	up
6343553	7361042	1772264	---	---	---	1,04	down
6343601	7114274	1162811	---	---	---	1,02	up
6343624	7309734	1646883	---	---	---	1,11	up
6343683	7056333	1023700	---	---	---	1,04	down
6343721	7330731	1697168	---	---	---	1,14	down
6343846	7312532	1653223	---	---	---	1,31	down
6343873	7032618	967335	---	---	---	1,37	down
6343891	7374090	1806815	---	---	---	1,25	up

6343960	7329846	1694988	---	---	---	1,21	up
6344036	7190242	1350306	---	---	---	1,25	up
6344366	7099573	1126740	---	---	---	1,30	down
6344480	7110999	1154798	---	---	---	1,04	up
6344528	7343250	1728054	---	---	---	1,11	down
6344567	7123714	1186423	---	---	---	1,10	down
6344751	7248790	1494545	---	---	---	2,58	down
6344852	7208784	1396113	---	---	---	2,26	up
6344861	7247848	1492072	---	---	---	1,12	up
6344869	7065810	1045681	---	---	---	2,00	down
6344913	7140834	1227971	---	---	---	3,03	up
6344923	7353997	1754703	---	---	---	1,80	up
6345014	7268357	1543395	---	---	---	2,56	up
6345133	7199536	1374696	---	---	---	1,08	down
6345188	7079475	1078287	---	---	---	1,38	up
6345199	7244290	1484163	---	---	---	1,09	up
6345304	7218728	1419928	---	---	---	1,00	up
6345403	7231775	1452127	---	---	---	1,23	down
6345474	7252058	1502543	---	---	---	1,15	down
6345505	7037488	979280	---	---	---	2,46	down
6345511	7039532	984428	---	---	---	1,38	down
6345594	7073673	1065081	---	---	---	2,05	down
6345598	7343250	1728033	---	---	---	1,70	up
6345646	7045955	1000761	---	---	---	6,06	down
6345653	7244290	1484145	---	---	---	1,08	down
6345685	7375937	1811340	---	---	---	1,02	down
6345695	7243901	1483050	---	---	---	1,05	up
6345720	7337522	1713590	---	---	---	2,28	down
6345743	7232732	1454578	---	---	---	1,83	down
6345997	7181193	1328293	---	---	---	1,16	down
6346062	7252877	1504767	---	---	---	1,08	up
6346096	7089080	1101163	---	---	---	1,27	down
6346197	7243647	1482423	---	---	---	1,11	up
6346389	7050167	1009816	---	---	---	1,27	down
6346408	7100523	1128839	---	---	---	1,09	down
6346491	7244288	1484128	---	---	---	1,55	down
6346593	7341274	1723390	---	---	---	1,08	up
6346626	7350237	1745498	---	---	---	1,17	up
6346628	7350993	1747532	---	---	---	1,02	up
6346645	7292657	1602839	---	---	---	1,19	up
6346660	7033337	969493	---	---	---	1,07	up
6346773	7050167	1009817	---	---	---	1,29	down
6346845	7032204	966119	---	---	---	1,02	up
6346908	7059020	1029330	---	---	---	1,91	down
6346928	7093936	1112465	---	---	---	1,01	up
6346977	7377583	1815456	---	---	---	1,25	up
6347006	7031774	964650	---	---	---	1,11	up
6347101	7207093	1392079	---	---	---	1,11	up
6347133	7261580	1526771	---	---	---	1,03	down
6347144	7261580	1526809	---	---	---	1,17	up
6347164	7280743	1574562	---	---	---	1,11	down
6347207	7337845	1714352	---	---	---	1,14	down
6347214	7146093	1240983	---	---	---	1,01	down
6347259	7231834	1452273	---	---	---	1,43	down
6347306	7147204	1243778	---	---	---	1,09	down
6347307	7091900	1107629	---	---	---	1,35	up
6347314	7099573	1126707	---	---	---	1,01	down

6347435	7225543	1435925	---	---	---	1,17	up
6347448	7217747	1417480	---	---	---	1,24	up
6347457	7171091	1302444	---	---	---	1,92	up
6347491	7107503	1145765	---	---	---	1,13	up
6347520	7162144	1280509	---	---	---	1,61	down
6347574	7329135	1693497	---	---	---	1,22	down
6347654	7067828	1050792	---	---	---	1,03	up
6347690	7186464	1341357	---	---	---	1,05	up
6347770	7195680	1364894	---	---	---	1,63	down
6347866	7330396	1696367	---	---	---	1,66	up
6347886	7280743	1574504	---	---	---	1,23	down
6348105	7368004	1789332	---	---	---	1,08	up
6348106	7259925	1522547	---	---	---	1,39	down
6348145	7112566	1158632	---	---	---	1,39	up
6348153	7268694	1544228	---	---	---	1,05	up
6348223	7303777	1631903	---	---	---	1,20	down
6348277	7243627	1482346	---	---	---	1,08	up
6348342	7065640	1045206	---	---	---	1,13	down
6348425	7156052	1265767	---	---	---	1,56	down
6348440	7266544	1538334	---	---	---	1,30	up
6348523	7055793	1022331	---	---	---	1,05	down
6348591	7100523	1128973	---	---	---	1,31	down
6348625	7128112	1196540	---	---	---	1,17	up
6348637	7197056	1367836	---	---	---	1,18	up
6348667	7352635	1751446	---	---	---	1,47	up
6348725	7330396	1696336	---	---	---	1,09	up
6348729	7330731	1697175	---	---	---	1,18	down
6348735	7102723	1134387	---	---	---	1,15	down
6348754	7299083	1619227	---	---	---	1,04	up
6348763	7356027	1759985	---	---	---	1,32	down
6348776	7369400	1793984	---	---	---	1,23	down
6348782	7258455	1518714	---	---	---	1,10	up
6348894	7373633	1805700	---	---	---	1,25	down
6348901	7298101	1617096	---	---	---	1,33	up
6348925	7181001	1327615	---	---	---	1,04	up
6348927	7227433	1440965	---	---	---	1,04	down
6348963	7280743	1574525	---	---	---	1,12	down
6348979	7350237	1745481	---	---	---	1,22	up
6349074	7339387	1718390	---	---	---	1,30	up
6349094	7302860	1629008	---	---	---	1,16	down
6349207	7072765	1062735	---	---	---	1,06	up
6349345	7156052	1265766	---	---	---	2,02	down
6349427	7307473	1641273	---	---	---	1,08	down
6349503	7218728	1419920	---	---	---	1,08	up
6349673	7330314	1696141	---	---	---	1,38	up
6349786	7308679	1644243	---	---	---	1,69	up
6349828	7341274	1723399	---	---	---	1,03	down
6350035	7140365	1226765	---	---	---	1,63	down
6350139	7058507	1028319	---	---	---	1,10	up
6350186	7148741	1247835	---	---	---	1,16	down
6350222	7213908	1407663	---	---	---	1,03	up
6350345	7373678	1805878	---	---	---	1,48	down
6350415	7359874	1769348	---	---	---	2,48	up
6350421	7127540	1195281	---	---	---	1,08	up
6350455	7189455	1348332	---	---	---	1,20	up
6350585	7344838	1732458	---	---	---	1,11	down
6350649	7311391	1650854	---	---	---	1,23	down

6350667	7340506	1721336	---	---	---	1,02	down
6350727	7339379	1718322	---	---	---	1,43	up
6350763	7095021	1115138	---	---	---	1,11	up
6350809	7131103	1204344	---	---	---	1,13	down
6350919	7384073	1829467	---	---	---	1,13	up
6350940	7110401	1153053	---	---	---	1,22	up
6350972	7290793	1598636	---	---	---	1,03	down
6350977	7044906	998151	---	---	---	1,31	up
6351050	7119845	1176885	---	---	---	1,83	down
6351060	7376206	1811978	---	---	---	1,15	up
6351169	7353232	1752748	---	---	---	1,02	down
6351180	7142081	1230958	---	---	---	1,13	up
6351225	7341002	1722542	---	---	---	1,08	down
6351231	7210263	1399751	---	---	---	1,40	down
6351240	7089080	1101137	---	---	---	1,01	up
6351281	7237814	1467822	---	---	---	1,06	down
6351348	7186464	1341373	---	---	---	1,79	up
6351399	7128539	1197665	---	---	---	1,29	up
6351410	7350237	1745487	---	---	---	1,09	down
6351534	7115963	1167062	---	---	---	1,09	up
6351559	7346505	1736284	---	---	---	1,19	up
6351577	7255911	1512228	---	---	---	1,40	down
6351624	7244290	1484153	---	---	---	1,11	up
6351638	7248790	1494491	---	---	---	1,10	down
6351692	7190534	1351240	---	---	---	1,16	down
6351729	7101094	1130215	---	---	---	1,01	up
6351730	7079236	1077792	---	---	---	1,00	down
6351733	7097485	1120944	---	---	---	1,09	up
6351751	7095041	1115197	---	---	---	1,08	up
6351753	7198002	1370441	---	---	---	1,10	up
6351759	7384509	1830737	---	---	---	1,17	down
6351812	7176275	1315345	---	---	---	1,00	up
6351829	7099573	1126716	---	---	---	1,02	down
6351876	7214605	1409368	---	---	---	3,43	down
6351954	7096589	1118515	---	---	---	1,06	up
6351973	7363674	1778439	---	---	---	1,19	down
6352276	7068259	1051649	---	---	---	1,24	up
6352368	7180721	1326695	---	---	---	1,25	down
6352375	7069464	1054665	---	---	---	1,08	down
6352570	7190524	1351172	---	---	---	1,25	up
6352594	7112566	1158625	---	---	---	1,10	up
6352639	7267802	1541837	---	---	---	1,26	down
6352781	7102708	1134323	---	---	---	1,85	up
6352816	7120671	1178996	---	---	---	1,03	down
6352822	7044906	998150	---	---	---	1,71	up
6352921	7277783	1567474	---	---	---	1,14	up
6352936	7318596	1668938	---	---	---	1,33	down
6352938	7349817	1744643	---	---	---	1,01	up
6353020	7344838	1732451	---	---	---	1,37	down
6353072	7314270	1657735	---	---	---	1,27	down
6353095	7213908	1407687	---	---	---	1,22	down
6353125	7378997	1818637	---	---	---	1,24	down
6353335	7086522	1093941	---	---	---	1,13	down
6353356	7212718	1404944	---	---	---	1,47	up
6353383	7196803	1367343	---	---	---	1,94	up
6353399	7240569	1475470	---	---	---	1,32	down
6353404	7274780	1559250	---	---	---	1,31	down

6353426	7047524	1004659	---	---	---	1,16	down
6353471	7245874	1487595	---	---	---	1,01	up
6353479	7327169	1688466	---	---	---	1,12	up
6353527	7176456	1315844	---	---	---	1,06	down
6353663	7059971	1031466	---	---	---	1,03	up
6353742	7031774	964786	---	---	---	1,53	down
6353744	7297756	1616093	---	---	---	2,12	up
6354058	7337902	1714546	---	---	---	1,41	up
6354184	7217434	1416386	---	---	---	1,00	up
6354232	7326271	1686475	---	---	---	1,29	down
6354319	7147213	1243826	---	---	---	1,05	up
6354339	7221443	1426322	---	---	---	1,04	down
6354599	7168521	1295941	---	---	---	1,16	up
6354613	7331757	1700016	---	---	---	1,25	up
6354634	7237814	1467843	---	---	---	2,07	up
6354722	7087282	1096205	---	---	---	1,00	up
6354875	7088164	1098492	---	---	---	1,85	up
6355019	7125348	1190072	---	---	---	1,44	up
6355281	7117526	1171003	---	---	---	2,17	up
6355316	7052813	1015929	---	---	---	2,32	up
6355326	7299083	1619242	---	---	---	1,96	up
6355340	7369521	1794256	---	---	---	1,14	up
6355351	7273251	1555944	---	---	---	1,77	up
6355362	7302327	1627698	---	---	---	1,12	down
6355376	7033337	969519	---	---	---	1,14	down
6355501	7238414	1469559	---	---	---	1,18	up
6355582	7366728	1785429	---	---	---	1,36	down
6355588	7258455	1518722	---	---	---	1,06	down
6355591	7374324	1807536	---	---	---	1,07	down
6355615	7030519	961689	---	---	---	1,59	down
6355661	7280959	1575041	---	---	---	1,31	down
6355694	7160687	1277021	---	---	---	1,00	up
6355697	7042529	991599	---	---	---	1,73	down
6355745	7268357	1543396	---	---	---	1,17	up
6355852	7255911	1512229	---	---	---	1,03	up
6355884	7228520	1443769	---	---	---	1,41	down
6355900	7167160	1292197	---	---	---	1,65	down
6355961	7065640	1045208	---	---	---	1,01	down
6355963	7226277	1437972	---	---	---	1,30	down
6356027	7368815	1792339	---	---	---	1,70	down
6356139	7131876	1206053	---	---	---	2,18	down
6356211	7247230	1490593	---	---	---	1,28	up
6356252	7333333	1703398	---	---	---	1,23	up
6356259	7073569	1064731	---	---	---	3,98	up
6356271	7177834	1319638	---	---	---	1,09	down
6356301	7370853	1798407	---	---	---	1,28	down
6356306	7361223	1772622	---	---	---	1,16	up
6356321	7233012	1455403	---	---	---	1,34	up
6356401	7132125	1206620	---	---	---	1,04	down
6356403	7286807	1588780	---	---	---	1,29	down
6356475	7032204	966151	---	---	---	1,13	up
6356490	7240569	1475470	---	---	---	1,04	down
6356526	7348924	1742183	---	---	---	1,13	up
6356648	7230886	1449526	---	---	---	1,92	down
6356781	7068413	1051948	---	---	---	1,51	down
6356789	7341038	1722674	---	---	---	1,09	up
6356835	7382499	1826256	---	---	---	1,17	down

6356905	7376398	1812490	---	---	---	1,28	up
6356934	7240569	1475510	---	---	---	1,20	up
6356942	7264653	1534055	---	---	---	1,08	up
6357037	7217434	1416457	---	---	---	1,64	down
6357043	7263652	1531624	---	---	---	1,14	up
6357056	7207093	1392093	---	---	---	1,34	up
6357101	7100523	1128893	---	---	---	1,14	down
6357120	7288170	1592289	---	---	---	1,03	up
6357192	7088544	1099663	---	---	---	2,07	down
6357312	7330314	1696138	---	---	---	1,08	up
6357313	7071659	1060229	---	---	---	1,15	up
6357338	7321029	1674824	---	---	---	1,24	down
6357566	7039463	984244	---	---	---	2,05	down
6357645	7142081	1230958	---	---	---	1,06	down
6357665	7287337	1589970	---	---	---	1,27	up
6357666	7041635	989642	---	---	---	2,19	down
6357706	7140834	1228016	---	---	---	1,33	down
6357715	7352252	1750569	---	---	---	1,23	down
6357784	7269918	1546943	---	---	---	2,23	down
6357853	7089080	1101143	---	---	---	1,12	down
6357908	7327169	1688450	---	---	---	1,26	up
6357930	7208330	1395091	---	---	---	3,19	down
6357954	7373634	1805721	---	---	---	1,07	up
6358036	7031774	964760	---	---	---	1,34	down
6358042	7122140	1182739	---	---	---	1,11	down
6358097	7342430	1726151	---	---	---	1,08	up
6358141	7139026	1223514	---	---	---	1,29	up
6358148	7217747	1417474	---	---	---	1,17	up
6358233	7288170	1592297	---	---	---	1,25	down
6358303	7059971	1031462	---	---	---	1,31	up
6358402	7367969	1789095	---	---	---	1,31	down
6358487	7313841	1656702	---	---	---	1,09	up
6358533	7383823	1828941	---	---	---	1,19	down
6358559	7168439	1295712	---	---	---	1,06	up
6358640	7153136	1258056	---	---	---	1,07	up
6358668	7181105	1327965	---	---	---	2,24	down
6358761	7309738	1646952	---	---	---	1,21	down
6358781	7263805	1532207	---	---	---	1,13	down
6358866	7233970	1458274	---	---	---	1,13	up
6358920	7252877	1504758	---	---	---	1,15	down
6359004	7312627	1653490	---	---	---	1,32	down
6359142	7376206	1811973	---	---	---	1,03	down
6359206	7100523	1128847	---	---	---	1,43	up
6359312	7210387	1400042	---	---	---	2,39	up
6359376	7059584	1030555	---	---	---	1,14	up
6359406	7098411	1123690	---	---	---	1,66	down
6359433	7070836	1058352	---	---	---	1,86	down
6359527	7384073	1829454	---	---	---	1,54	down
6359542	7056304	1023547	---	---	---	1,28	down
6359650	7105814	1141785	---	---	---	1,65	down
6359653	7279568	1572012	---	---	---	1,06	up
6359663	7146542	1242277	---	---	---	1,02	up
6359728	7076236	1071215	---	---	---	1,42	up
6359799	7260488	1523932	---	---	---	1,17	down
6359810	7110999	1154758	---	---	---	1,04	up
6359814	7384509	1830742	---	---	---	1,00	down
6359839	7117526	1171003	---	---	---	1,03	down

6359928	7165644	1288009	---	---	---	1,02	down
6360000	7337872	1714430	---	---	---	2,38	up
6360011	7079808	1079060	---	---	---	2,67	up
6360013	7040442	986537	---	---	---	1,24	up
6360056	7374493	1807969	---	---	---	1,14	down
6360098	7240569	1475404	---	---	---	1,43	down
6360118	7371001	1798871	---	---	---	1,02	down
6360195	7130917	1203939	---	---	---	1,19	down
6360226	7288077	1591990	---	---	---	1,30	down
6360250	7128112	1196587	---	---	---	1,37	down
6360329	7131372	1205025	---	---	---	1,43	down
6360384	7075460	1069397	---	---	---	1,87	up
6360403	7258455	1518735	---	---	---	1,19	up
6360479	7181286	1328463	---	---	---	1,12	up
6360689	7237940	1468196	---	---	---	1,22	down
6360692	7353232	1752773	---	---	---	1,19	up
6360693	7071969	1060903	---	---	---	1,26	down
6360720	7167823	1293894	---	---	---	1,30	down
6360822	7280743	1574537	---	---	---	1,47	down
6360924	7112355	1158069	---	---	---	1,06	down
6361024	7355044	1757446	---	---	---	1,06	down
6361115	7269911	1546914	---	---	---	1,02	down
6361157	7231137	1450198	---	---	---	1,24	up
6361209	7290296	1597397	---	---	---	1,30	up
6361229	7155116	1263411	---	---	---	1,25	down
6361303	7330238	1695942	---	---	---	1,64	down
6361372	7180243	1325504	---	---	---	1,40	down
6361449	7361223	1772627	---	---	---	1,39	down
6361507	7193056	1358288	---	---	---	1,20	up
6361626	7279593	1572103	---	---	---	1,25	down
6361660	7064134	1041426	---	---	---	2,73	up
6361689	7095960	1117067	---	---	---	1,18	down
6361894	7216970	1415126	---	---	---	1,27	down
6361967	7118356	1173132	---	---	---	1,25	down
6362083	7370412	1796838	---	---	---	1,12	down
6362104	7257976	1517712	---	---	---	1,41	down
6362128	7321029	1674833	---	---	---	1,05	down
6362253	7117526	1171034	---	---	---	1,43	down
6362258	7229061	1445326	---	---	---	1,08	up
6362384	7313538	1655733	---	---	---	1,01	down
6362428	7330731	1697200	---	---	---	1,03	up
6362537	7339379	1718328	---	---	---	1,07	down
6362580	7194400	1361789	---	---	---	1,09	down
6362584	7032395	966581	---	---	---	1,35	up
6362608	7286807	1588841	---	---	---	1,37	up
6362687	7247907	1492242	---	---	---	1,23	down
6362742	7344530	1731571	---	---	---	1,15	down
6362769	7231484	1451362	---	---	---	1,34	up
6362846	7238202	1468951	---	---	---	1,32	down
6362900	7198087	1370683	---	---	---	1,11	up
6363036	7212587	1404657	---	---	---	1,15	down
6363048	7085242	1091079	---	---	---	1,51	down
6363123	7349313	1743114	---	---	---	1,27	down
6363229	7364346	1779981	---	---	---	1,41	down
6363245	7286807	1588811	---	---	---	1,28	up
6363393	7079326	1077973	---	---	---	1,04	up
6363479	7381090	1822989	---	---	---	1,74	up

6363482	7078666	1076513	---	---	---	1,00	up
6363533	7039725	984829	---	---	---	1,57	down
6363567	7290814	1598679	---	---	---	1,01	up
6363594	7146093	1240956	---	---	---	1,56	up
6363640	7162144	1280516	---	---	---	1,27	up
6363735	7367980	1789155	---	---	---	2,06	up
6363955	7376073	1811701	---	---	---	1,13	down
6364022	7319259	1670398	---	---	---	1,15	down
6364069	7330238	1695926	---	---	---	1,30	down
6364078	7151519	1254297	---	---	---	1,12	down
6364106	7181193	1328297	---	---	---	1,29	down
6364132	7344530	1731557	---	---	---	1,93	up
6364135	7195680	1364898	---	---	---	1,03	down
6364200	7165954	1288770	---	---	---	1,31	down
6364259	7350993	1747512	---	---	---	1,67	down
6364488	7267802	1541834	---	---	---	1,11	down
6364522	7190844	1352169	---	---	---	1,29	down
6364567	7064372	1042176	---	---	---	1,15	up
6364587	7302327	1627680	---	---	---	1,02	up
6364846	7127257	1194801	---	---	---	1,44	down
6364858	7288077	1591992	---	---	---	1,25	up
6364884	7099573	1126728	---	---	---	1,26	up
6364945	7043379	993652	---	---	---	1,47	up
6364953	7052957	1016273	---	---	---	1,06	up
6364969	7255522	1511389	---	---	---	1,03	up
6365022	7222236	1428121	---	---	---	1,06	up
6365038	7095021	1115134	---	---	---	1,53	up
6365106	7277783	1567464	---	---	---	2,94	down
6365141	7217434	1416380	---	---	---	1,00	up
6365182	7330731	1697170	---	---	---	1,17	down
6365222	7186443	1341311	---	---	---	1,11	up
6365223	7041609	989579	---	---	---	1,12	down
6365245	7159036	1272963	---	---	---	1,10	down
6365398	7198325	1371352	---	---	---	2,14	down
6365522	7291032	1599331	---	---	---	1,00	up
6365696	7070511	1057456	---	---	---	1,36	down
6365735	7126658	1193170	---	---	---	1,92	up
6365860	7195673	1364848	---	---	---	1,05	up
6365876	7376073	1811704	---	---	---	1,09	up
6366034	7371253	1799568	---	---	---	1,11	up
6366052	7086966	1095282	---	---	---	1,00	up
6366198	7274892	1559541	---	---	---	1,16	up
6366219	7261580	1526785	---	---	---	1,11	up
6366259	7350993	1747550	---	---	---	2,13	up
6366371	7183182	1333580	---	---	---	1,01	up
6366415	7031774	964768	---	---	---	1,25	down
6366591	7223395	1431077	---	---	---	1,10	down
6366597	7371228	1799472	---	---	---	1,71	down
6366608	7281924	1577741	---	---	---	1,56	up
6366673	7168979	1297187	---	---	---	1,05	down
6366687	7073609	1064844	---	---	---	1,35	up
6366743	7225543	1435927	---	---	---	1,18	down
6366831	7347427	1738668	---	---	---	2,25	up
6366975	7171417	1303152	---	---	---	1,41	up
6367004	7371228	1799448	---	---	---	1,21	down
6367052	7217747	1417503	---	---	---	1,13	down
6367111	7277719	1567090	---	---	---	1,89	down

6367210	7069464	1054666	---	---	---	1,15	up
6367218	7381090	1822990	---	---	---	1,01	up
6367247	7312575	1653362	---	---	---	1,13	up
6367394	7061550	1035279	---	---	---	2,11	down
6367396	7183927	1335498	---	---	---	1,24	up
6367476	7328695	1692381	---	---	---	1,08	down
6367608	7179756	1324376	---	---	---	1,09	up
6367679	7350489	1746120	---	---	---	1,06	up
6367725	7267204	1539853	---	---	---	1,07	up
6367773	7128539	1197704	---	---	---	1,09	down
6367787	7288077	1591950	---	---	---	1,17	down
6367808	7043379	993595	---	---	---	2,09	down
6367816	7243647	1482451	---	---	---	1,12	down
6367835	7344406	1731265	---	---	---	1,13	up
6367873	7090581	1104746	---	---	---	1,17	down
6367893	7190317	1350514	---	---	---	1,21	up
6368029	7363147	1777030	---	---	---	1,09	up
6368051	7158419	1271376	---	---	---	2,04	down
6368064	7088544	1099681	---	---	---	1,36	up
6368108	7075790	1069992	---	---	---	2,01	up
6368125	7060896	1033619	---	---	---	1,15	up
6368295	7144389	1236782	---	---	---	1,34	up
6368310	7200545	1376933	---	---	---	1,10	up
6368497	7320735	1674175	---	---	---	1,28	up
6368530	7213908	1407689	---	---	---	1,51	up
6368562	7236358	1464246	---	---	---	1,91	up
6368610	7309734	1646900	---	---	---	1,12	up
6368612	7088544	1099704	---	---	---	1,36	up
6368617	7376073	1811698	---	---	---	1,14	down
6368619	7240569	1475517	---	---	---	1,70	down
6368654	7374324	1807449	---	---	---	1,28	up
6368769	7079475	1078291	---	---	---	1,13	up
6368943	7171091	1302447	---	---	---	2,71	up
6368996	7376566	1812859	---	---	---	1,25	down
6369016	7166439	1290094	---	---	---	1,60	down
6369108	7374324	1807473	---	---	---	2,20	up
6369309	7280743	1574482	---	---	---	1,08	down
6369350	7340304	1720862	---	---	---	1,54	down
6369480	7312465	1653055	---	---	---	1,09	down
6369513	7272616	1554383	---	---	---	2,27	up
6369531	7213294	1406092	---	---	---	1,00	up
6369629	7233178	1455887	---	---	---	2,22	up
6369639	7329846	1694997	---	---	---	1,03	up
6369700	7032558	967064	---	---	---	1,01	down
6369743	7340757	1721887	---	---	---	1,08	up
6369757	7148741	1247858	---	---	---	1,12	down
6369833	7339379	1718349	---	---	---	1,06	down
6369950	7326245	1686400	---	---	---	1,49	down
6369987	7064732	1042908	---	---	---	1,89	down
6370046	7317708	1666836	---	---	---	1,03	up
6370072	7040442	986564	---	---	---	1,96	up
6370105	7189669	1348969	---	---	---	1,08	down
6370176	7120671	1178989	---	---	---	1,27	up
6370199	7277783	1567465	---	---	---	1,50	down
6370201	7356115	1760125	---	---	---	1,51	up
6370314	7272110	1553046	---	---	---	1,28	down
6370369	7312465	1653054	---	---	---	2,43	up

6370374	7245921	1487677	---	---	---	1,19	down
6370392	7098810	1124657	---	---	---	1,34	down
6370694	7095041	1115190	---	---	---	1,05	down
6370874	7217434	1416404	---	---	---	1,21	up
6370917	7239303	1472004	---	---	---	1,18	down
6371052	7034293	971909	---	---	---	1,05	up
6371070	7184931	1337714	---	---	---	1,19	up
6371161	7360325	1770514	---	---	---	1,35	down
6371268	7028326	957435	---	---	---	2,17	down
6371375	7363674	1778420	---	---	---	1,44	down
6371384	7342430	1726154	---	---	---	1,05	up
6371407	7196029	1365604	---	---	---	1,81	down
6371426	7124803	1188793	---	---	---	2,05	down
6371493	7146425	1241887	---	---	---	1,51	up
6371496	7321746	1676235	---	---	---	1,08	up
6371554	7030224	961133	---	---	---	1,20	up
6371661	7330314	1696135	---	---	---	1,12	up
6371743	7309738	1646951	---	---	---	1,34	down
6371797	7288077	1591977	---	---	---	1,01	up
6371806	7089080	1101154	---	---	---	1,42	down
6371837	7244290	1484152	---	---	---	1,05	down
6371845	7073677	1065154	---	---	---	1,57	down
6371869	7374790	1808780	---	---	---	1,06	up
6371972	7357026	1762228	---	---	---	1,13	up
6371983	7231484	1451383	---	---	---	1,00	up
6371986	7211389	1402119	---	---	---	1,04	down
6372276	7210387	1400037	---	---	---	1,03	down
6372288	7244602	1484780	---	---	---	1,22	up
6372297	7030037	960714	---	---	---	1,74	down
6372329	7073995	1066033	---	---	---	1,03	down
6372353	7305275	1635826	---	---	---	1,26	down
6372386	7261580	1526767	---	---	---	1,24	down
6372428	7369938	1795531	---	---	---	1,24	down
6372438	7374324	1807484	---	---	---	1,09	up
6372462	7146872	1242915	---	---	---	1,30	down
6372471	7328833	1692796	---	---	---	1,73	down
6372494	7111361	1155606	---	---	---	1,08	up
6372514	7029770	960159	---	---	---	1,26	down
6372545	7319609	1671206	---	---	---	1,00	down
6372602	7339379	1718345	---	---	---	1,07	down
6372621	7039725	984816	---	---	---	1,33	down
6372677	7186464	1341385	---	---	---	1,29	up
6372766	7056736	1024417	---	---	---	1,54	down
6372904	7252877	1504697	---	---	---	1,10	down
6372957	7211389	1402113	---	---	---	1,01	down
6373043	7186305	1341002	---	---	---	1,60	down
6373193	7121849	1181757	---	---	---	1,17	up
6373246	7210822	1400979	---	---	---	1,91	up
6373248	7103017	1135155	---	---	---	1,51	up
6373268	7041609	989564	---	---	---	1,06	up
6373352	7115362	1165602	---	---	---	1,50	up
6373386	7252877	1504764	---	---	---	1,22	up
6373469	7358859	1767001	---	---	---	1,18	up
6373484	7367959	1789074	---	---	---	1,35	down
6373508	7313538	1655730	---	---	---	1,03	down
6373631	7342430	1726153	---	---	---	1,93	up
6373678	7146082	1240853	---	---	---	1,14	up

6373731	7286807	1588833	---	---	---	1,07	up
6373932	7252339	1503371	---	---	---	1,54	down
6373941	7056333	1023679	---	---	---	1,13	down
6374030	7345465	1733842	---	---	---	1,05	down
6374056	7346687	1736696	---	---	---	1,01	down
6374074	7322020	1676645	---	---	---	1,33	up
6374199	7237711	1467431	---	---	---	1,28	down
6374224	7244936	1485358	---	---	---	1,58	down
6374237	7200545	1376917	---	---	---	1,14	down
6374290	7121849	1181805	---	---	---	1,11	down
6374295	7244027	1483273	---	---	---	1,12	up
6374363	7068987	1053603	---	---	---	1,83	down
6374385	7140113	1226048	---	---	---	1,33	down
6374498	7208784	1396160	---	---	---	1,15	up
6374610	7205944	1389478	---	---	---	1,04	up
6374688	7361881	1773913	---	---	---	1,04	down
6374702	7339834	1719553	---	---	---	1,10	down
6374741	7131805	1205917	---	---	---	1,17	down
6374769	7200545	1376902	---	---	---	1,34	up
6374793	7244290	1484165	---	---	---	1,22	up
6374794	7280570	1574092	---	---	---	1,05	down
6374831	7243647	1482428	---	---	---	1,04	up
6374972	7321029	1674819	---	---	---	1,24	down
6374974	7056333	1023674	---	---	---	1,56	down
6374981	7038530	981868	---	---	---	1,10	down
6375044	7122140	1182727	---	---	---	1,20	up
6375064	7220278	1423736	---	---	---	1,29	up
6375166	7098867	1124951	---	---	---	1,23	up
6375190	7072429	1061871	---	---	---	1,15	down
6375233	7200129	1375999	---	---	---	1,37	down
6375282	7148741	1247841	---	---	---	1,14	up
6375288	7131550	1205552	---	---	---	1,10	up
6375299	7138243	1221687	---	---	---	1,47	down
6375378	7295410	1609733	---	---	---	1,01	up
6375414	7121849	1181763	---	---	---	1,03	down
6375443	7067670	1050374	---	---	---	2,06	down
6375452	7241995	1478328	---	---	---	1,23	up
6375539	7162144	1280491	---	---	---	2,02	down
6375572	7360486	1770935	---	---	---	1,04	up
6375625	7166867	1291301	---	---	---	1,17	down
6375690	7312338	1652780	---	---	---	2,62	down
6375723	7217434	1416400	---	---	---	1,08	down
6375728	7034293	971972	---	---	---	1,05	down
6375774	7129578	1200051	---	---	---	1,02	down
6375787	7086966	1095281	---	---	---	1,26	up
6375890	7370002	1795766	---	---	---	1,07	up
6375984	7171417	1303153	---	---	---	1,78	up
6376058	7337425	1713136	---	---	---	1,19	down
6376076	7210702	1400724	---	---	---	1,08	up
6376129	7191594	1354169	---	---	---	1,45	up
6376197	7280743	1574477	---	---	---	1,07	up
6376260	7068259	1051601	---	---	---	1,14	up
6376350	7280743	1574474	---	---	---	1,15	down
6376375	7280743	1574561	---	---	---	1,45	down
6376404	7350489	1746112	---	---	---	1,14	up
6376421	7384179	1829791	---	---	---	1,40	up
6376434	7052385	1014772	---	---	---	1,01	up

6376503	7280743	1574557	---	---	---	1,05	up
6376508	7193056	1358280	---	---	---	1,31	up
6376614	7040442	986546	---	---	---	1,92	down
6376660	7274780	1559198	---	---	---	1,13	down
6376664	7274780	1559224	---	---	---	1,17	down
6376670	7228530	1443836	---	---	---	1,32	up
6376676	7088625	1099873	---	---	---	1,13	up
6376683	7243901	1483047	---	---	---	1,06	down
6376741	7241163	1476819	---	---	---	1,14	down
6376757	7087965	1098027	---	---	---	2,42	up
6376862	7033504	969858	---	---	---	1,05	down
6376903	7235794	1462891	---	---	---	1,03	down
6376942	7168521	1295961	---	---	---	1,33	down
6376952	7148741	1247825	---	---	---	2,06	up
6376975	7321414	1675635	---	---	---	1,04	up
6377035	7229061	1445324	---	---	---	1,92	down
6377058	7217434	1416421	---	---	---	1,40	down
6377114	7114274	1162811	---	---	---	1,19	down
6377116	7180721	1326700	---	---	---	1,02	up
6377187	7331757	1700032	---	---	---	1,79	up
6377195	7088164	1098492	---	---	---	1,88	up
6377211	7302787	1628883	---	---	---	1,16	down
6377261	7072225	1061401	---	---	---	1,12	down
6377325	7071659	1060226	---	---	---	1,30	up
6377414	7380878	1822567	---	---	---	1,46	down
6377420	7318139	1668074	---	---	---	1,89	up
6377508	7100523	1128901	---	---	---	1,06	up
6377514	7353232	1752853	---	---	---	2,27	up
6377634	7065273	1044608	---	---	---	1,09	down
6377720	7292657	1602835	---	---	---	1,53	down
6377737	7132125	1206597	---	---	---	1,12	down
6377743	7373678	1805856	---	---	---	1,14	down
6377765	7383586	1828444	---	---	---	1,57	up
6377818	7119179	1175003	---	---	---	1,03	up
6377974	7302327	1627676	---	---	---	1,15	up
6378137	7198210	1370996	---	---	---	1,24	down
6378295	7341546	1723951	---	---	---	1,27	down
6378541	7160687	1276999	---	---	---	1,16	down
6378617	7245921	1487685	---	---	---	1,53	down
6378741	7075533	1069572	---	---	---	1,06	up
6378851	7180804	1327005	---	---	---	1,10	up
6379068	7378997	1818667	---	---	---	1,26	down
6379105	7030037	960707	---	---	---	1,12	down
6379112	7355138	1757776	---	---	---	1,33	down
6379126	7364346	1779997	---	---	---	2,07	up
6379133	7346066	1735313	---	---	---	1,15	up
6379146	7248790	1494522	---	---	---	1,42	up
6379221	7382499	1826256	---	---	---	1,29	down
6379309	7027797	956283	---	---	---	2,54	up
6379313	7193403	1359193	---	---	---	1,12	up
6379409	7058713	1028667	---	---	---	1,24	down
6379516	7191888	1354945	---	---	---	1,02	up
6379551	7186464	1341387	---	---	---	1,20	down
6379669	7313841	1656733	---	---	---	1,33	down
6379724	7211363	1402054	---	---	---	1,69	up
6379890	7336837	1711637	---	---	---	1,77	down
6380054	7376206	1811979	---	---	---	5,50	up

6380103	7128704	1198021	---	---	---	1,04	down
6380145	7068259	1051645	---	---	---	1,59	down
6380154	7041486	989220	---	---	---	2,65	up
6380172	7227775	1441850	---	---	---	1,07	down
6380244	7037235	978583	---	---	---	1,10	down
6380299	7049184	1007932	---	---	---	1,55	down
6380315	7207971	1394311	---	---	---	1,25	down
6380322	7093752	1112000	---	---	---	1,26	down
6380327	7313841	1656720	---	---	---	1,26	up
6380375	7378997	1818669	---	---	---	1,14	down
6380383	7368567	1791327	---	---	---	1,02	down
6380393	7297589	1615612	---	---	---	1,10	down
6380482	7366749	1785497	---	---	---	1,56	up
6380493	7166855	1291250	---	---	---	1,05	up
6380512	7031618	964187	---	---	---	1,14	up
6380573	7337425	1713204	---	---	---	1,04	down
6380608	7069724	1055333	---	---	---	1,01	up
6380720	7120550	1178706	---	---	---	1,17	down
6380728	7164949	1286455	---	---	---	1,21	up
6380871	7198210	1370976	---	---	---	1,10	up
6381095	7223395	1431082	---	---	---	1,54	down
6381106	7339732	1719239	---	---	---	1,38	up
6381205	7258323	1518480	---	---	---	3,98	down
6381216	7309734	1646883	---	---	---	1,06	up
6381296	7112671	1158976	---	---	---	2,01	up
6381297	7259221	1520611	---	---	---	1,79	up
6381313	7071741	1060455	---	---	---	1,39	down
6381314	7217650	1417184	---	---	---	2,14	down
6381377	7088625	1099867	---	---	---	1,98	down
6381506	7302860	1629033	---	---	---	1,04	up
6381542	7113985	1162241	---	---	---	1,30	up
6381585	7207093	1392117	---	---	---	1,07	down
6381586	7160687	1277005	---	---	---	1,01	down
6381692	7356326	1760470	---	---	---	1,16	down
6381884	7034356	972164	---	---	---	1,07	up
6381909	7373678	1805882	---	---	---	1,37	up
6381925	7033673	970382	---	---	---	2,17	up
6382025	7213908	1407758	---	---	---	1,05	up
6382034	7336931	1711871	---	---	---	1,31	up
6382117	7162144	1280505	---	---	---	1,38	up
6382222	7237132	1466106	---	---	---	1,08	up
6382253	7198210	1371000	---	---	---	1,34	up
6382306	7217747	1417511	---	---	---	1,50	down
6382333	7253215	1505377	---	---	---	1,39	down
6382441	7168521	1295956	---	---	---	1,17	down
6382557	7039725	984815	---	---	---	1,15	up
6382565	7340673	1721690	---	---	---	1,13	up
6382572	7130917	1203931	---	---	---	1,76	down
6382795	7070511	1057476	---	---	---	1,46	down
6383055	7307473	1641261	---	---	---	1,22	up
6383114	7297589	1615613	---	---	---	1,05	down
6383117	7267802	1541841	---	---	---	1,10	up
6383196	7155866	1265321	---	---	---	1,64	up
6383237	7064134	1041445	---	---	---	1,04	up
6383398	7343250	1728040	---	---	---	1,12	up
6383442	7371253	1799562	---	---	---	1,05	up
6383524	7253088	1505124	---	---	---	1,08	up

6383555	7071659	1060221	---	---	---	1,27	up
6383560	7132024	1206343	---	---	---	1,04	up
6383584	7118356	1173173	---	---	---	1,27	down
6383767	7250511	1498632	---	---	---	1,07	up
6383775	7330396	1696340	---	---	---	1,74	down
6383822	7068259	1051599	---	---	---	1,36	up
6383829	7213945	1407837	---	---	---	2,56	up
6383832	7068259	1051662	---	---	---	1,26	up
6383964	7086522	1093950	---	---	---	2,37	up
6384102	7274892	1559562	---	---	---	1,44	down
6384197	7071264	1059296	---	---	---	1,40	up
6384279	7277783	1567472	---	---	---	1,12	up
6384289	7346229	1735599	---	---	---	1,00	up
6384360	7033337	969498	---	---	---	1,49	up
6384433	7188138	1345033	---	---	---	1,37	up
6384439	7103782	1136947	---	---	---	2,02	up
6384583	7062233	1037257	---	---	---	1,26	up
6384589	7282343	1578669	---	---	---	1,10	up
6384687	7339379	1718333	---	---	---	1,06	down
6384815	7369400	1793984	---	---	---	1,36	up
6384884	7240569	1475371	---	---	---	1,12	up
6384906	7330238	1695946	---	---	---	1,03	up
6384959	7277783	1567451	---	---	---	1,56	up
6385079	7197820	1370103	---	---	---	1,39	down
6385175	7321029	1674809	---	---	---	1,10	up
6385230	7237672	1467300	---	---	---	1,22	up
6385297	7063716	1040130	---	---	---	1,04	down
6385331	7033504	969858	---	---	---	1,00	up
6385393	7356115	1760132	---	---	---	1,24	up
6385423	7363674	1778457	---	---	---	3,02	down
6385604	7245932	1487785	---	---	---	1,77	up
6385624	7376206	1811979	---	---	---	1,08	up
6385791	7248790	1494506	---	---	---	1,18	up
6385819	7152915	1257444	---	---	---	1,03	down
6385823	7377791	1815989	---	---	---	1,47	down
6385986	7156170	1266237	---	---	---	1,32	down
6386045	7289382	1595200	---	---	---	1,18	down
6386058	7202837	1382281	---	---	---	1,01	down
6386113	7258455	1518701	---	---	---	1,30	down
6386118	7069253	1054165	---	---	---	1,50	up
6386191	7063716	1040125	---	---	---	1,00	down
6386439	7367946	1788948	---	---	---	1,52	up
6386440	7142081	1230967	---	---	---	1,04	down
6386575	7280743	1574543	---	---	---	1,05	down
6386617	7244602	1484761	---	---	---	1,13	up
6386747	7106414	1143197	---	---	---	1,39	up
6386851	7280743	1574501	---	---	---	1,10	down
6386909	7086966	1095285	---	---	---	1,12	up
6387130	7100523	1128871	---	---	---	1,13	down
6387135	7156978	1268174	---	---	---	1,23	up
6387180	7155116	1263426	---	---	---	1,34	down
6387264	7374313	1807377	---	---	---	1,45	down
6387272	7355580	1758874	---	---	---	2,95	up
6387332	7350918	1747309	---	---	---	1,55	down
6387344	7288095	1592077	---	---	---	1,34	down
6387374	7336854	1711676	---	---	---	1,09	down
6387430	7307473	1641275	---	---	---	1,07	up

6387732	7227433	1440963	---	---	---	1,15	up
6387740	7098867	1124949	---	---	---	1,02	up
6387781	7099543	1126634	---	---	---	1,70	up
6387801	7358048	1764806	---	---	---	2,24	down
6387831	7168979	1297188	---	---	---	1,22	up
6387893	7214605	1409401	---	---	---	1,20	down
6387979	7296131	1611504	---	---	---	1,36	up
6388025	7282927	1580014	---	---	---	1,03	up
6388161	7337425	1713201	---	---	---	2,16	down
6388166	7301843	1626484	---	---	---	1,11	down
6388268	7142321	1231500	---	---	---	1,66	up
6388303	7248790	1494552	---	---	---	1,23	up
6388321	7306330	1638506	---	---	---	1,24	up
6388440	7198210	1370954	---	---	---	1,08	up
6388555	7249388	1495887	---	---	---	1,51	up
6388683	7205944	1389497	---	---	---	1,39	up
6388703	7302327	1627669	---	---	---	1,06	up
6388711	7188138	1344999	---	---	---	1,43	up
6388770	7081487	1082706	---	---	---	1,29	up
6388790	7072225	1061405	---	---	---	2,07	down
6388848	7169573	1298391	---	---	---	2,28	down
6388885	7289075	1594456	---	---	---	1,17	down
6389012	7297589	1615667	---	---	---	1,29	down
6389050	7275927	1562353	---	---	---	1,38	up
6389106	7361881	1773949	---	---	---	1,03	down
6389126	7377791	1815989	---	---	---	1,27	down
6389150	7337425	1713220	---	---	---	1,04	up
6389376	7243363	1481603	---	---	---	1,02	up
6389392	7248790	1494553	---	---	---	1,07	up
6389404	7052331	1014567	---	---	---	1,04	down
6389442	7244287	1484050	---	---	---	1,46	down
6389564	7267802	1541812	---	---	---	1,09	up
6389572	7330731	1697182	---	---	---	1,24	up
6389592	7352046	1750027	---	---	---	1,46	up
6389634	7070836	1058348	---	---	---	1,04	up
6389649	7204442	1386085	---	---	---	2,28	down
6389683	7337224	1712584	---	---	---	1,29	down
6389692	7279303	1571202	---	---	---	2,05	down
6389712	7318714	1669234	---	---	---	1,03	up
6389791	7101258	1130557	---	---	---	1,94	down
6389971	7278010	1568039	---	---	---	1,06	up
6389991	7132263	1206895	---	---	---	1,13	up
6390025	7280743	1574496	---	---	---	1,43	up
6390100	7240569	1475326	---	---	---	1,54	down
6390109	7244287	1484043	---	---	---	1,65	up
6390362	7071264	1059363	---	---	---	1,02	up
6390412	7244288	1484093	---	---	---	1,33	down
6390434	7236492	1464540	---	---	---	1,10	down
6390484	7330396	1696354	---	---	---	1,23	up
6390526	7336837	1711614	---	---	---	1,00	down
6390672	7166867	1291290	---	---	---	1,12	down
6390721	7376073	1811728	---	---	---	1,19	up
6390740	7355138	1757853	---	---	---	1,01	down
6390799	7264797	1534438	---	---	---	1,19	up
6390808	7229856	1447080	---	---	---	1,19	down
6390825	7029770	960158	---	---	---	1,17	down
6390828	7127540	1195272	---	---	---	1,24	up

6390901	7109292	1150738	---	---	---	1,88	up
6390942	7092549	1109155	---	---	---	1,42	down
6391117	7098810	1124649	---	---	---	1,09	down
6391172	7076236	1071230	---	---	---	3,23	down
6391202	7171091	1302460	---	---	---	1,36	up
6391216	7065570	1045093	---	---	---	1,89	down
6391345	7335637	1708471	---	---	---	1,04	down
6391442	7359460	1768473	---	---	---	1,63	up
6391451	7363529	1777898	---	---	---	1,04	down
6391454	7069603	1055041	---	---	---	1,08	up
6391503	7326271	1686470	---	---	---	1,05	down
6391766	7073573	1064744	---	---	---	1,09	up
6391768	7062233	1037199	---	---	---	1,15	down
6391827	7210822	1400982	---	---	---	1,70	down
6392065	7148741	1247865	---	---	---	1,46	up
6392110	7217434	1416382	---	---	---	1,16	up
6392202	7286807	1588834	---	---	---	1,28	down
6392299	7119179	1174989	---	---	---	1,07	down
6392311	7058713	1028668	---	---	---	1,36	down
6392356	7156170	1266286	---	---	---	1,37	up
6392407	7381330	1823638	---	---	---	1,84	down
6392430	7277742	1567210	---	---	---	2,56	up
6392559	7093835	1112225	---	---	---	1,19	up
6392562	7224182	1432758	---	---	---	1,04	down
6392636	7302787	1628900	---	---	---	1,25	down
6392640	7369521	1794256	---	---	---	2,02	up
6392672	7258784	1519670	---	---	---	1,79	up
6392679	7030454	961551	---	---	---	1,02	down
6392832	7092549	1109188	---	---	---	1,04	up
6392871	7318714	1669232	---	---	---	1,22	down
6392929	7136142	1216419	---	---	---	2,13	up
6392973	7307473	1641273	---	---	---	1,25	up
6392983	7253215	1505378	---	---	---	1,15	up
6393056	7027386	955072	---	---	---	1,21	up
6393129	7089080	1101157	---	---	---	1,27	up
6393150	7190844	1352146	---	---	---	1,27	up
6393254	7117813	1171701	---	---	---	1,60	up
6393324	7112355	1158087	---	---	---	2,15	down
6393344	7207093	1392118	---	---	---	1,02	down
6393363	7075460	1069408	---	---	---	1,06	up
6393422	7253272	1505553	---	---	---	1,06	up
6393455	7194540	1362122	---	---	---	1,12	up
6393466	7247848	1492067	---	---	---	1,99	up
6393525	7312575	1653359	---	---	---	1,03	up
6393689	7050716	1011221	---	---	---	1,71	up
6393794	7277783	1567452	---	---	---	2,02	up
6393961	7264745	1534267	---	---	---	1,01	down
6394014	7376073	1811714	---	---	---	1,36	down
6394055	7355041	1757402	---	---	---	1,11	down
6394075	7274593	1558813	---	---	---	1,15	up
6394184	7225543	1435939	---	---	---	1,33	up
6394203	7369031	1793013	---	---	---	1,86	down
6394328	7252877	1504771	---	---	---	1,18	up
6394501	7243647	1482459	---	---	---	1,05	down
6394505	7059702	1030774	---	---	---	1,12	down
6394507	7048014	1005636	---	---	---	1,02	up
6394510	7295652	1610304	---	---	---	1,32	down

6394567	7274585	1558777	---	---	---	1,05	up
6394570	7231557	1451565	---	---	---	1,16	up
6394626	7231484	1451362	---	---	---	1,09	down
6394631	7115362	1165604	---	---	---	1,02	up
6394705	7068259	1051639	---	---	---	1,16	down
6394746	7142081	1230965	---	---	---	1,25	up
6394825	7068259	1051620	---	---	---	1,63	down
6394843	7217747	1417500	---	---	---	1,17	up
6394856	7248790	1494560	---	---	---	1,07	down
6394891	7250511	1498646	---	---	---	1,07	up
6395051	7280743	1574495	---	---	---	1,15	up
6395166	7113083	1159980	---	---	---	1,14	up
6395200	7319259	1670396	---	---	---	1,89	up
6395240	7088625	1099878	---	---	---	1,05	up
6395412	7255120	1510371	---	---	---	1,26	up
6395467	7028624	958003	---	---	---	1,23	up
6395668	7337425	1713171	---	---	---	1,00	down
6395777	7279806	1572567	---	---	---	1,66	down
6395813	7031774	964711	---	---	---	1,94	up
6395848	7237132	1466106	---	---	---	1,32	down
6395894	7230628	1448866	---	---	---	3,64	down
6396007	7348487	1741252	---	---	---	1,09	up
6396008	7093936	1112476	---	---	---	1,29	up
6396081	7353224	1752668	---	---	---	1,03	down
6396109	7232534	1454141	---	---	---	1,28	down
6396177	7267204	1539849	---	---	---	1,25	up
6396181	7231137	1450198	---	---	---	1,15	down
6396271	7243363	1481628	---	---	---	1,31	up
6396305	7087282	1096169	---	---	---	1,10	up
6396403	7329135	1693489	---	---	---	2,91	down
6396411	7056333	1023699	---	---	---	1,09	down
6396422	7261019	1525281	---	---	---	1,67	down
6396456	7261580	1526811	---	---	---	1,07	down
6396512	7059766	1030977	---	---	---	2,04	down
6396547	7146093	1240987	---	---	---	1,22	up
6396554	7288170	1592297	---	---	---	1,33	down
6396559	7336854	1711678	---	---	---	1,32	up
6396580	7093806	1112151	---	---	---	3,67	down
6396730	7073609	1064852	---	---	---	1,32	down
6396739	7043515	994018	---	---	---	1,33	down
6396743	7148741	1247842	---	---	---	1,11	down
6396760	7282343	1578686	---	---	---	2,39	up
6396856	7330396	1696336	---	---	---	1,10	up
6396875	7261580	1526775	---	---	---	1,11	up
6396927	7067828	1050789	---	---	---	1,04	up
6396964	7239752	1473195	---	---	---	1,04	down
6397047	7255755	1511913	---	---	---	1,67	up
6397062	7072765	1062743	---	---	---	1,61	down
6397142	7344530	1731563	---	---	---	1,34	down
6397204	7349313	1743114	---	---	---	1,30	down
6397366	7148741	1247828	---	---	---	1,00	down
6397469	7302860	1629031	---	---	---	1,23	up
6397489	7133484	1209937	---	---	---	1,21	up
6397503	7339379	1718360	---	---	---	1,11	down
6397511	7070668	1057972	---	---	---	1,12	up
6397569	7333462	1703648	---	---	---	1,35	up
6397575	7068942	1053385	---	---	---	1,31	down

6397723	7190534	1351213	---	---	---	1,22	up
6397724	7244290	1484166	---	---	---	1,20	up
6397728	7180732	1326729	---	---	---	1,34	up
6397790	7280743	1574483	---	---	---	1,59	down
6397801	7384509	1830749	---	---	---	1,03	up
6397819	7070836	1058334	---	---	---	1,22	up
6397828	7128539	1197703	---	---	---	1,53	up
6397934	7089080	1101170	---	---	---	1,39	down
6398050	7217434	1416426	---	---	---	1,38	down
6398064	7352044	1750004	---	---	---	1,08	up
6398219	7071292	1059450	---	---	---	1,57	up
6398268	7364346	1779989	---	---	---	2,92	up
6398363	7317274	1665630	---	---	---	1,37	up
6398417	7093752	1112001	---	---	---	1,16	down
6398433	7185483	1338926	---	---	---	1,18	up
6398458	7069253	1054163	---	---	---	1,13	up
6398705	7231533	1451502	---	---	---	1,41	up
6398744	7171549	1303545	---	---	---	1,67	down
6398762	7196029	1365632	---	---	---	1,48	down
6398884	7064468	1042376	---	---	---	1,11	up
6398910	7148741	1247823	---	---	---	1,12	up
6398996	7115963	1167057	---	---	---	1,20	up
6399002	7212587	1404635	---	---	---	1,21	up
6399133	7039725	984823	---	---	---	1,97	up
6399224	7258455	1518718	---	---	---	1,04	down
6399362	7041609	989547	---	---	---	1,34	down
6399393	7063716	1040163	---	---	---	1,12	down
6399399	7140365	1226777	---	---	---	1,19	up
6399515	7058149	1027253	---	---	---	1,08	down
6399583	7339387	1718380	---	---	---	1,29	up
6399641	7181105	1327967	---	---	---	1,25	up
6399651	7284901	1584815	---	---	---	1,03	up
6399707	7245874	1487596	---	---	---	2,28	down
6399835	7211389	1402112	---	---	---	1,20	down
6399869	7360486	1770976	---	---	---	1,42	down
6399916	7259221	1520617	---	---	---	1,10	down
6400014	7243647	1482460	---	---	---	1,03	up
6400019	7377304	1814588	---	---	---	1,04	down
6400024	7350237	1745497	---	---	---	1,04	down
6400129	7169550	1298365	---	---	---	1,15	down
6400143	7067670	1050322	---	---	---	1,01	up
6400148	7121849	1181784	---	---	---	1,35	up
6400208	7321414	1675633	---	---	---	1,49	down
6400254	7207093	1392125	---	---	---	1,12	down
6400291	7167872	1294037	---	---	---	1,24	down
6400419	7196966	1367633	---	---	---	1,01	down
6400590	7197056	1367845	---	---	---	1,14	up
6400611	7127540	1195288	---	---	---	1,04	up
6400735	7070668	1057927	---	---	---	1,13	up
6400749	7255517	1511368	---	---	---	1,47	up
6400887	7050716	1011221	---	---	---	1,43	down
6400905	7313841	1656728	---	---	---	1,10	down
6400987	7218728	1419921	---	---	---	1,13	up
6401006	7064732	1042929	---	---	---	1,16	down
6401034	7368004	1789332	---	---	---	1,00	down
6401046	7078605	1076359	---	---	---	1,01	down
6401062	7248790	1494535	---	---	---	1,48	up

6401090	7213945	1407828	---	---	---	1,40	up
6401240	7191594	1354228	---	---	---	1,45	up
6401338	7282927	1580019	---	---	---	1,36	up
6401394	7290775	1598602	---	---	---	1,51	up
6401515	7128112	1196580	---	---	---	1,08	up
6401543	7373633	1805699	---	---	---	1,11	down
6401567	7053874	1018325	---	---	---	1,22	up
6401570	7280743	1574490	---	---	---	1,04	up
6401629	7176368	1315567	---	---	---	1,15	up
6401716	7067828	1050797	---	---	---	1,08	down
6401724	7232709	1454528	---	---	---	1,36	up
6401776	7072608	1062297	---	---	---	1,82	up
6401785	7278898	1570296	---	---	---	1,35	down
6401800	7053874	1018332	---	---	---	1,16	down
6401802	7196803	1367332	---	---	---	2,00	up
6401822	7109292	1150746	---	---	---	1,23	down
6401958	7043515	994007	---	---	---	1,01	down
6401992	7119845	1176888	---	---	---	1,03	down
6402120	7267204	1539856	---	---	---	1,03	up
6402238	7128112	1196534	---	---	---	1,18	down
6402241	7067670	1050310	---	---	---	1,77	up
6402317	7331413	1699129	---	---	---	1,18	up
6402378	7132024	1206337	---	---	---	1,04	up
6402382	7221420	1426262	---	---	---	1,53	up
6402448	7321414	1675628	---	---	---	1,15	up
6402504	7062233	1037194	---	---	---	1,36	down
6402568	7039303	983868	---	---	---	1,06	up
6402788	7333333	1703396	---	---	---	1,43	up
6402792	7222236	1428114	---	---	---	1,04	down
6402852	7058507	1028323	---	---	---	1,09	down
6402864	7140365	1226787	---	---	---	1,32	down
6402889	7079238	1077809	---	---	---	1,04	down
6402948	7196233	1366104	---	---	---	1,52	up
6402950	7345465	1733865	---	---	---	1,11	up
6403023	7376073	1811694	---	---	---	1,66	up
6403031	7179176	1322917	---	---	---	1,13	up
6403085	7374493	1807957	---	---	---	1,53	up
6403203	7244936	1485354	---	---	---	2,06	down
6403245	7197056	1367843	---	---	---	1,06	down
6403306	7318596	1668936	---	---	---	1,08	down
6403324	7050878	1011546	---	---	---	1,23	down
6403391	7041140	988293	---	---	---	1,01	down
6403572	7353232	1752777	---	---	---	1,33	up
6403614	7371228	1799453	---	---	---	1,39	down
6403621	7373678	1805854	---	---	---	1,25	up
6403638	7341243	1723226	---	---	---	1,40	down
6403648	7240641	1475741	---	---	---	1,07	up
6403652	7137646	1220430	---	---	---	1,65	down
6403664	7382499	1826256	---	---	---	1,08	down
6403730	7326271	1686470	---	---	---	1,23	up
6403815	7193056	1358250	---	---	---	1,17	up
6403870	7248790	1494547	---	---	---	1,14	down
6403920	7131718	1205746	---	---	---	1,25	down
6403930	7253408	1505953	---	---	---	1,10	up
6404004	7069830	1055589	---	---	---	1,23	up
6404013	7134773	1212969	---	---	---	1,02	down
6404021	7115963	1167063	---	---	---	2,86	down

6404022	7196029	1365621	---	---	---	1,35	up
6404088	7309646	1646489	---	---	---	1,14	up
6404095	7056736	1024419	---	---	---	1,12	down
6404163	7218728	1419925	---	---	---	1,30	down
6404174	7280743	1574542	---	---	---	1,54	down
6404221	7344380	1731118	---	---	---	1,69	up
6404242	7337902	1714543	---	---	---	1,91	up
6404264	7313905	1656853	---	---	---	2,16	down
6404324	7038153	981148	---	---	---	1,19	down
6404332	7333333	1703395	---	---	---	1,60	down
6404364	7144088	1236189	---	---	---	1,15	up
6404375	7313841	1656733	---	---	---	1,10	down
6404554	7217650	1417210	---	---	---	1,11	down
6404573	7376566	1812851	---	---	---	1,22	down
6404632	7069721	1055301	---	---	---	1,26	up
6404752	7340304	1720867	---	---	---	1,80	down
6404774	7286807	1588782	---	---	---	1,24	down
6404775	7333462	1703645	---	---	---	1,15	up
6404788	7102510	1133857	---	---	---	1,25	up
6404799	7052385	1014789	---	---	---	1,11	down
6404855	7058507	1028311	---	---	---	1,01	down
6404920	7237672	1467298	---	---	---	1,11	down
6404937	7243363	1481594	---	---	---	1,68	up
6404944	7280743	1574544	---	---	---	1,03	down
6404947	7106752	1144009	---	---	---	1,11	down
6404974	7217434	1416366	---	---	---	1,24	up
6405009	7213908	1407661	---	---	---	1,11	up
6405028	7363674	1778408	---	---	---	1,03	up
6405037	7063716	1040153	---	---	---	1,02	up
6405073	7076160	1070912	---	---	---	1,47	up
6405127	7227433	1440978	---	---	---	1,39	up
6405182	7122585	1183696	---	---	---	1,06	up
6405225	7282927	1580024	---	---	---	1,31	down
6405278	7198087	1370688	---	---	---	1,34	down
6405288	7183927	1335503	---	---	---	1,40	up
6405432	7056333	1023678	---	---	---	1,17	up
6405537	7211363	1402038	---	---	---	1,36	down
6405570	7039223	983558	---	---	---	1,11	up
6405630	7189669	1348967	---	---	---	1,65	down
6405754	7380497	1821833	---	---	---	1,15	down
6405840	7381330	1823639	---	---	---	1,86	up
6405847	7365183	1781903	---	---	---	1,22	up
6405854	7205750	1388930	---	---	---	1,61	down
6405897	7092549	1109149	---	---	---	1,13	up
6405901	7213945	1407853	---	---	---	1,12	down
6405918	7180732	1326741	---	---	---	1,05	up
6406025	7308679	1644240	---	---	---	1,02	up
6406092	7240569	1475445	---	---	---	1,07	up
6406202	7331757	1700023	---	---	---	1,31	down
6406285	7120565	1178732	---	---	---	1,27	down
6406310	7240569	1475470	---	---	---	1,10	up
6406339	7282927	1580018	---	---	---	1,19	up
6406357	7155286	1263908	---	---	---	1,56	down
6406362	7096924	1119610	---	---	---	1,22	down
6406576	7383586	1828442	---	---	---	1,20	up
6406588	7343279	1728117	---	---	---	1,21	up
6406732	7302327	1627683	---	---	---	1,06	down

6406735	7045955	1000745	---	---	---	2,97	down
6406746	7374324	1807508	---	---	---	1,07	down
6406777	7078605	1076359	---	---	---	1,02	up
6406788	7235840	1463000	---	---	---	1,51	up
6406820	7052813	1015937	---	---	---	1,03	down
6406825	7273251	1555946	---	---	---	1,10	down
6406835	7287337	1589969	---	---	---	1,03	down
6406910	7093936	1112461	---	---	---	1,08	up
6406922	7378878	1818322	---	---	---	1,26	down
6407028	7146982	1243283	---	---	---	1,06	up
6407030	7317318	1665826	---	---	---	1,54	up
6407040	7078815	1076998	---	---	---	1,33	down
6407375	7058713	1028664	---	---	---	1,16	down
6407382	7376820	1813419	---	---	---	1,25	down
6407459	7376206	1811980	---	---	---	1,22	down
6407463	7101206	1130456	---	---	---	1,33	down
6407476	7292178	1601750	---	---	---	1,46	down
6407501	7148741	1247868	---	---	---	1,15	down
6407526	7057277	1025526	---	---	---	1,54	down
6407633	7272431	1553891	---	---	---	1,08	up
6407668	7363674	1778443	---	---	---	1,30	down
6407737	7320068	1672626	---	---	---	2,22	up
6407748	7217679	1417302	---	---	---	1,44	down
6407780	7213908	1407686	---	---	---	1,18	down
6407867	7378997	1818656	---	---	---	1,13	down
6407892	7111361	1155580	---	---	---	1,68	down
6407938	7068259	1051627	---	---	---	1,15	down
6407978	7305275	1635834	---	---	---	1,09	down
6407987	7189184	1347568	---	---	---	2,09	down
6408102	7277783	1567455	---	---	---	1,69	down
6408114	7237814	1467818	---	---	---	1,15	down
6408218	7095081	1115331	---	---	---	2,09	up
6408304	7294911	1608533	---	---	---	1,13	up
6408384	7068987	1053583	---	---	---	1,13	down
6408487	7069721	1055316	---	---	---	1,08	down
6408500	7128704	1198025	---	---	---	1,17	up
6408514	7200313	1376457	---	---	---	1,09	down
6408530	7064732	1042918	---	---	---	1,01	down
6408552	7301843	1626487	---	---	---	1,02	down
6408626	7269385	1545750	---	---	---	1,25	down
6408658	7376073	1811702	---	---	---	1,10	down
6408757	7210822	1400972	---	---	---	1,30	down
6408946	7168979	1297192	---	---	---	1,10	up
6408975	7298692	1618406	---	---	---	1,30	up
6409012	7057462	1025862	---	---	---	1,16	up
6409107	7240569	1475451	---	---	---	1,37	up
6409111	7274892	1559553	---	---	---	1,06	up
6409249	7350489	1746112	---	---	---	1,16	down
6409250	7337425	1713155	---	---	---	1,09	up
6409304	7033673	970376	---	---	---	1,06	up
6409336	7363674	1778405	---	---	---	1,14	down
6409341	7288170	1592320	---	---	---	1,03	down
6409523	7243647	1482430	---	---	---	1,05	down
6409542	7325643	1685177	---	---	---	1,16	down
6409559	7372840	1803770	---	---	---	2,03	down
6409696	7307473	1641269	---	---	---	1,34	down
6409779	7376073	1811711	---	---	---	1,11	up

6409910	7278794	1570070	---	---	---	1,31	down
6409930	7265259	1535441	---	---	---	1,55	down
6410039	7277783	1567419	---	---	---	1,40	down
6410142	7050716	1011231	---	---	---	1,01	down
6410214	7319486	1670931	---	---	---	1,12	up
6410236	7219624	1422137	---	---	---	2,08	up
6410288	7078666	1076507	---	---	---	3,30	down
6410386	7088544	1099683	---	---	---	1,17	up
6410449	7205944	1389477	---	---	---	1,25	down
6410544	7350922	1747316	---	---	---	1,21	up
6410801	7353224	1752676	---	---	---	1,11	down
6410841	7122140	1182719	---	---	---	1,08	up
6410877	7295652	1610267	---	---	---	1,31	down
6410892	7044906	998134	---	---	---	1,10	down
6410955	7184850	1337612	---	---	---	1,09	up
6410982	7184931	1337712	---	---	---	1,21	down
6411027	7282831	1579742	---	---	---	1,10	up
6411039	7363529	1777962	---	---	---	1,13	up
6411098	7153136	1258043	---	---	---	1,47	down
6411155	7180166	1325243	---	---	---	1,19	up
6411536	7041140	988276	---	---	---	1,66	up
6411632	7353224	1752674	---	---	---	1,03	down
6411750	7100523	1128841	---	---	---	1,10	up
6411846	7253408	1505934	---	---	---	1,75	down
6411920	7352046	1750029	---	---	---	1,52	up
6411981	7088544	1099702	---	---	---	1,20	up
6411987	7142321	1231528	---	---	---	1,05	down
6412007	7130917	1203932	---	---	---	1,50	down
6412057	7131550	1205558	---	---	---	1,02	up
6412153	7358048	1764795	---	---	---	1,06	down
6412181	7193056	1358276	---	---	---	1,15	down
6412225	7289075	1594455	---	---	---	1,24	down
6412262	7248790	1494541	---	---	---	1,09	down
6412291	7068259	1051607	---	---	---	1,12	up
6412319	7288077	1592000	---	---	---	1,07	up
6412368	7066035	1046223	---	---	---	1,08	down
6412436	7355041	1757406	---	---	---	1,05	down
6412443	7374790	1808768	---	---	---	1,09	up
6412569	7068259	1051629	---	---	---	1,10	up
6412582	7073677	1065155	---	---	---	1,34	down
6412596	7256191	1512862	---	---	---	2,02	down
6412605	7212587	1404646	---	---	---	1,01	up
6412727	7156052	1265784	---	---	---	1,35	up
6412742	7374313	1807381	---	---	---	1,24	down
6412753	7340757	1721904	---	---	---	1,05	up
6412786	7318286	1668335	---	---	---	1,15	up
6412971	7184981	1337837	---	---	---	1,19	up
6412972	7034356	972167	---	---	---	1,44	up
6413006	7252877	1504694	---	---	---	1,14	down
6413121	7247334	1490818	---	---	---	1,26	down
6413132	7238199	1468926	---	---	---	1,03	down
6413134	7121849	1181808	---	---	---	1,32	down
6413138	7269637	1546235	---	---	---	2,69	down
6413170	7237672	1467306	---	---	---	2,24	up
6413200	7370415	1796853	---	---	---	1,61	up
6413208	7227433	1440962	---	---	---	1,02	down
6413280	7248790	1494540	---	---	---	1,14	up

6413326	7320735	1674168	---	---	---	1,05	down
6413613	7358048	1764825	---	---	---	1,99	up
6413638	7165644	1288011	---	---	---	1,63	up
6413668	7148978	1248544	---	---	---	1,02	up
6413845	7231655	1451920	---	---	---	1,11	down
6413931	7141456	1229594	---	---	---	1,47	up
6413941	7373678	1805861	---	---	---	1,62	up
6413944	7243901	1483065	---	---	---	1,00	up
6414014	7377583	1815451	---	---	---	1,26	down
6414105	7128112	1196552	---	---	---	1,57	up
6414162	7217434	1416378	---	---	---	1,16	down
6414263	7286807	1588784	---	---	---	1,36	down
6414320	7292178	1601742	---	---	---	1,33	up
6414428	7030127	960865	---	---	---	2,14	up
6414526	7330223	1695837	---	---	---	1,53	up
6414607	7330238	1695949	---	---	---	2,25	up
6414625	7361881	1773931	---	---	---	1,58	down
6414642	7280743	1574560	---	---	---	1,01	up
6414667	7378997	1818645	---	---	---	1,11	up
6414730	7367994	1789245	---	---	---	1,43	down
6414735	7174281	1310876	---	---	---	1,96	down
6414769	7305275	1635822	---	---	---	1,26	up
6414790	7355044	1757450	---	---	---	1,78	up
6414864	7069830	1055620	---	---	---	1,06	up
6414927	7330396	1696361	---	---	---	1,26	up
6414937	7147809	1245455	---	---	---	1,13	up
6414994	7186443	1341310	---	---	---	1,05	down
6415020	7349313	1743101	---	---	---	1,07	up
6415030	7111442	1155806	---	---	---	1,13	up
6415044	7090581	1104783	---	---	---	2,76	up
6415050	7098411	1123691	---	---	---	1,04	down
6415129	7196029	1365606	---	---	---	1,23	down
6415166	7380497	1821863	---	---	---	1,07	down
6415267	7087282	1096160	---	---	---	1,07	down
6415307	7225543	1435913	---	---	---	1,43	up
6415357	7374324	1807471	---	---	---	1,13	up
6415527	7377791	1816000	---	---	---	1,05	down
6415598	7095066	1115287	---	---	---	1,55	down
6415623	7210263	1399763	---	---	---	1,01	down
6415648	7344702	1732140	---	---	---	1,00	down
6415667	7041584	989454	---	---	---	1,41	down
6415713	7039463	984245	---	---	---	1,18	down
6415755	7288077	1591982	---	---	---	1,04	up
6415788	7068413	1051966	---	---	---	1,26	down
6415901	7339379	1718348	---	---	---	1,05	down
6415960	7066035	1046199	---	---	---	1,07	up
6416015	7068259	1051660	---	---	---	1,09	down
6416044	7302327	1627677	---	---	---	1,02	down
6416278	7371753	1800975	---	---	---	1,34	up
6416317	7112355	1158065	---	---	---	1,03	up
6416389	7374740	1808618	---	---	---	1,51	up
6416437	7059584	1030546	---	---	---	1,33	down
6416571	7095960	1117070	---	---	---	1,58	up
6416612	7321414	1675639	---	---	---	2,44	down
6416623	7268357	1543390	---	---	---	1,12	up
6416672	7334855	1706958	---	---	---	1,22	up
6416675	7122140	1182712	---	---	---	1,36	up

6416691	7122140	1182737	---	---	---	1,10	up
6416796	7127540	1195274	---	---	---	1,11	down
6416802	7168309	1295347	---	---	---	1,39	down
6416890	7198210	1370994	---	---	---	1,33	up
6416905	7374324	1807518	---	---	---	1,21	up
6417058	7274892	1559577	---	---	---	1,00	up
6417159	7336931	1711874	---	---	---	1,39	down
6417201	7297589	1615624	---	---	---	1,07	down
6417220	7097240	1120370	---	---	---	1,30	up
6417400	7156372	1266705	---	---	---	2,17	up
6417414	7330396	1696356	---	---	---	1,30	up
6417473	7339379	1718353	---	---	---	1,05	down
6417505	7288077	1591947	---	---	---	1,22	up
6417567	7086672	1094396	---	---	---	1,74	down
6417673	7053874	1018326	---	---	---	1,11	down
6417684	7365183	1781907	---	---	---	1,14	up
6417698	7128539	1197687	---	---	---	1,12	down
6417743	7148741	1247867	---	---	---	1,13	up
6417776	7322020	1676648	---	---	---	1,11	up
6417835	7170764	1301467	---	---	---	1,00	up
6417987	7243901	1483046	---	---	---	1,03	up
6417990	7324760	1683032	---	---	---	1,06	down
6418082	7076236	1071210	---	---	---	1,16	up
6418128	7029078	958880	---	---	---	1,60	up
6418139	7143412	1234611	---	---	---	1,15	down
6418173	7281924	1577719	---	---	---	1,01	up
6418210	7375937	1811362	---	---	---	2,75	down
6418265	7120827	1179326	---	---	---	1,09	up
6418354	7336931	1711872	---	---	---	1,12	up
6418420	7128112	1196568	---	---	---	1,79	down
6418434	7311391	1650857	---	---	---	1,14	up
6418445	7240569	1475484	---	---	---	1,21	down
6418512	7066035	1046220	---	---	---	1,10	up
6418557	7297589	1615666	---	---	---	1,27	up
6418634	7253272	1505515	---	---	---	1,02	up
6418657	7231484	1451357	---	---	---	1,07	up
6418684	7360486	1770961	---	---	---	1,26	up
6418695	7344406	1731218	---	---	---	1,08	down
6418810	7240641	1475742	---	---	---	1,18	down
6418887	7217434	1416389	---	---	---	1,35	up
6418964	7130917	1203933	---	---	---	1,06	down
6419033	7154655	1262315	---	---	---	1,62	down
6419380	7027797	956300	---	---	---	1,18	up
6419525	7375937	1811365	---	---	---	1,20	up
6419569	7355044	1757428	---	---	---	1,02	up
6419580	7069253	1054150	---	---	---	1,19	up
6419609	7062233	1037202	---	---	---	1,53	down
6419624	7039223	983554	---	---	---	1,32	up
6419704	7067518	1049857	---	---	---	1,38	up
6419708	7041061	988083	---	---	---	1,04	up
6419762	7318143	1668094	---	---	---	1,69	down
6419808	7368815	1792310	---	---	---	1,58	down
6419926	7221443	1426318	---	---	---	1,22	down
6419990	7072225	1061401	---	---	---	1,06	down
6420059	7364346	1780011	---	---	---	1,01	up
6420114	7117951	1172083	---	---	---	1,60	down
6420188	7071714	1060351	---	---	---	1,46	down

6420189	7368815	1792322	---	---	---	1,07	up
6420198	7103420	1136168	---	---	---	2,71	up
6420288	7105814	1141776	---	---	---	1,21	down
6420307	7252877	1504682	---	---	---	2,32	up
6420370	7058713	1028661	---	---	---	1,19	up
6420375	7244287	1484086	---	---	---	1,09	up
6420470	7336931	1711868	---	---	---	1,13	up
6420538	7065860	1045796	---	---	---	1,13	up
6420575	7076099	1070650	---	---	---	1,43	down
6420591	7063716	1040173	---	---	---	1,11	up
6420652	7120468	1178504	---	---	---	1,38	down
6420700	7078143	1075446	---	---	---	1,08	up
6420778	7168979	1297200	---	---	---	1,12	up
6420808	7101258	1130558	---	---	---	1,26	down
6420924	7217747	1417462	---	---	---	2,10	up
6421054	7294911	1608526	---	---	---	1,24	down
6421104	7059971	1031463	---	---	---	1,30	down
6421169	7248790	1494511	---	---	---	1,04	down
6421195	7063716	1040149	---	---	---	1,03	up
6421278	7291803	1600885	---	---	---	1,62	down
6421323	7030454	961553	---	---	---	1,57	down
6421375	7332059	1700725	---	---	---	1,07	up
6421464	7337224	1712605	---	---	---	1,18	up
6421467	7212698	1404857	---	---	---	1,62	up
6421526	7273744	1557007	---	---	---	1,16	down
6421559	7102113	1132835	---	---	---	1,31	up
6421607	7034293	971981	---	---	---	1,24	down
6421614	7232709	1454527	---	---	---	1,40	down
6421639	7112566	1158632	---	---	---	1,27	down
6421659	7196966	1367642	---	---	---	1,09	up
6421698	7302787	1628901	---	---	---	1,29	down
6421766	7155286	1263908	---	---	---	1,56	down
6421790	7050167	1009815	---	---	---	1,08	down
6421797	7033616	970190	---	---	---	1,33	down
6421907	7180721	1326695	---	---	---	1,03	up
6422078	7318714	1669233	---	---	---	1,02	up
6422086	7049689	1008898	---	---	---	1,83	up
6422125	7318714	1669237	---	---	---	1,56	up
6422180	7055793	1022326	---	---	---	1,25	down
6422181	7073673	1065087	---	---	---	1,35	up
6422182	7059971	1031473	---	---	---	1,31	up
6422224	7281877	1577535	---	---	---	1,38	down
6422267	7337522	1713619	---	---	---	2,30	down
6422333	7276650	1564126	---	---	---	1,02	down
6422345	7331413	1699128	---	---	---	1,06	down
6422376	7227775	1441849	---	---	---	1,27	down
6422500	7098867	1124960	---	---	---	1,10	up
6422547	7113483	1161011	---	---	---	1,54	up
6422588	7280743	1574522	---	---	---	1,14	down
6422591	7371677	1800754	---	---	---	1,22	down
6422608	7235069	1460987	---	---	---	1,43	up
6422636	7059917	1031329	---	---	---	1,39	up
6422844	7068259	1051593	---	---	---	1,29	up
6422931	7079238	1077802	---	---	---	1,28	up
6423032	7364346	1780002	---	---	---	1,00	up
6423088	7364346	1780024	---	---	---	1,42	up
6423122	7235069	1460970	---	---	---	1,33	up

6423138	7278794	1570049	---	---	---	1,01	up
6423188	7078666	1076510	---	---	---	2,60	down
6423347	7321029	1674824	---	---	---	1,46	up
6423385	7368565	1791285	---	---	---	1,56	up
6423393	7264274	1533173	---	---	---	1,39	down
6423418	7244288	1484108	---	---	---	3,00	up
6423419	7147809	1245472	---	---	---	1,27	up
6423470	7231484	1451364	---	---	---	1,07	down
6423554	7155866	1265337	---	---	---	1,17	up
6423628	7118356	1173133	---	---	---	1,04	up
6423639	7267953	1542264	---	---	---	1,21	up
6423873	7314620	1658518	---	---	---	1,67	up
6423942	7085063	1090802	---	---	---	1,08	up
6424044	7093936	1112464	---	---	---	1,03	up
6424071	7256191	1512870	---	---	---	1,03	down
6424080	7148978	1248461	---	---	---	1,00	up
6424105	7100210	1128139	---	---	---	2,09	down
6424110	7288077	1591992	---	---	---	1,10	down
6424124	7139708	1225066	---	---	---	1,12	down
6424148	7376073	1811703	---	---	---	1,20	down
6424247	7208784	1396107	---	---	---	1,34	up
6424272	7128921	1198535	---	---	---	2,80	down
6424293	7254209	1508007	---	---	---	1,44	down
6424346	7078666	1076528	---	---	---	1,64	up
6424422	7363576	1778196	---	---	---	2,22	up
6424487	7253408	1505951	---	---	---	1,07	up
6424514	7059449	1030298	---	---	---	1,07	up
6424612	7345851	1734747	---	---	---	2,30	down
6424717	7313538	1655726	---	---	---	1,16	up
6424769	7312161	1652463	---	---	---	1,33	down
6424836	7073677	1065163	---	---	---	1,49	down
6424886	7350237	1745472	---	---	---	1,23	down
6424890	7128112	1196568	---	---	---	1,53	down
6424957	7279568	1572023	---	---	---	1,88	up
6424965	7256191	1512869	---	---	---	2,65	down
6425040	7370484	1797177	---	---	---	1,32	up
6425159	7043515	994018	---	---	---	1,55	up
6425199	7108062	1147192	---	---	---	1,17	up
6425257	7180804	1327007	---	---	---	1,00	down
6425272	7030037	960717	---	---	---	1,28	up
6425311	7361075	1772348	---	---	---	1,09	down
6425344	7069830	1055635	---	---	---	1,17	down
6425383	7334636	1706500	---	---	---	2,58	down
6425431	7241163	1476819	---	---	---	1,26	down
6425447	7039532	984438	---	---	---	1,21	up
6425674	7277719	1567095	---	---	---	1,60	up
6425675	7288077	1591948	---	---	---	1,08	down
6425683	7110999	1154794	---	---	---	1,55	down
6425763	7198087	1370695	---	---	---	1,21	down
6425772	7267802	1541908	---	---	---	1,14	up
6425807	7186464	1341376	---	---	---	1,27	up
6425825	7179914	1324716	---	---	---	1,04	down
6425954	7322388	1677325	---	---	---	1,10	up
6425969	7031774	964785	---	---	---	1,39	down
6425998	7070393	1057217	---	---	---	1,22	down
6426023	7237438	1466786	---	---	---	1,28	down
6426101	7281577	1576888	---	---	---	1,19	up

6426175	7142416	1231794	---	---	---	1,54	up
6426201	7148978	1248508	---	---	---	1,43	up
6426202	7311391	1650865	---	---	---	1,57	up
6426206	7380878	1822565	---	---	---	1,70	up
6426372	7176368	1315565	---	---	---	1,21	down
6426481	7313538	1655729	---	---	---	1,13	up
6426526	7344380	1731115	---	---	---	1,06	up
6426634	7346687	1736688	---	---	---	1,14	up
6426752	7256789	1514637	---	---	---	1,78	down
6426787	7131876	1206058	---	---	---	1,46	up
6426851	7365147	1781761	---	---	---	1,01	up
6426884	7071659	1060228	---	---	---	1,05	up
6426904	7039223	983562	---	---	---	1,05	down
6426934	7244288	1484135	---	---	---	1,08	down
6426937	7214605	1409369	---	---	---	1,15	down
6426973	7132024	1206345	---	---	---	1,17	down
6426998	7208784	1396113	---	---	---	1,55	up
6427080	7268694	1544222	---	---	---	1,17	down
6427130	7312569	1653339	---	---	---	1,02	up
6427317	7244027	1483284	---	---	---	2,12	down
6427343	7336854	1711673	---	---	---	1,10	down
6427344	7288077	1591977	---	---	---	1,04	up
6427441	7099573	1126708	---	---	---	1,18	down
6427442	7328985	1693160	---	---	---	1,26	down
6427507	7127691	1195630	---	---	---	1,26	up
6427512	7364346	1780022	---	---	---	1,08	up
6427513	7356326	1760471	---	---	---	1,06	down
6427540	7127691	1195641	---	---	---	1,01	down
6427641	7235323	1461558	---	---	---	1,14	down
6427669	7377791	1816000	---	---	---	1,11	down
6427723	7286807	1588834	---	---	---	1,03	up
6427804	7130917	1203939	---	---	---	2,31	down
6427855	7102723	1134400	---	---	---	1,01	down
6427889	7031774	964662	---	---	---	1,09	down
6427944	7172373	1305562	---	---	---	1,31	down
6427981	7208330	1395099	---	---	---	1,55	down
6428038	7308262	1643181	---	---	---	1,51	down
6428076	7361881	1773959	---	---	---	1,22	up
6428085	7064468	1042354	---	---	---	1,05	down
6428181	7189455	1348349	---	---	---	1,14	down
6428182	7196029	1365614	---	---	---	1,18	up
6428340	7168439	1295665	---	---	---	1,01	up
6428527	7212587	1404647	---	---	---	1,30	down
6428616	7225543	1435929	---	---	---	1,55	down
6428779	7267802	1541743	---	---	---	1,19	down
6428784	7302327	1627682	---	---	---	1,03	up
6428826	7059309	1029924	---	---	---	1,40	down
6428972	7288077	1591946	---	---	---	1,02	down
6429036	7200313	1376446	---	---	---	2,06	up
6429037	7115963	1167070	---	---	---	1,11	down
6429117	7069721	1055299	---	---	---	1,04	down
6429119	7344702	1732143	---	---	---	1,09	down
6429162	7219605	1422053	---	---	---	1,08	up
6429234	7341546	1723955	---	---	---	1,57	down
6429299	7302327	1627691	---	---	---	1,03	down
6429390	7303722	1631712	---	---	---	1,62	down
6429398	7217747	1417501	---	---	---	1,01	down

6429415	7295410	1609794	---	---	---	1,05	up
6429539	7111361	1155623	---	---	---	1,11	up
6429671	7067670	1050341	---	---	---	1,61	down
6429744	7097485	1120934	---	---	---	1,17	down
6429757	7315571	1661011	---	---	---	1,56	up
6429795	7131372	1205054	---	---	---	1,12	down
6429892	7253272	1505613	---	---	---	1,51	down
6429970	7259925	1522547	---	---	---	1,27	down
6429991	7034356	972166	---	---	---	1,27	up
6430167	7233178	1455906	---	---	---	1,05	down
6430239	7344380	1731120	---	---	---	1,12	down
6430242	7297589	1615685	---	---	---	1,11	down
6430273	7356115	1760120	---	---	---	1,04	down
6430426	7229061	1445325	---	---	---	1,18	down
6430533	7153136	1258024	---	---	---	1,01	down
6430606	7210263	1399759	---	---	---	1,39	down
6430744	7083355	1086914	---	---	---	1,27	down
6430756	7039223	983553	---	---	---	1,55	up
6430799	7100523	1128912	---	---	---	1,04	up
6430841	7059506	1030402	---	---	---	1,72	down
6430854	7083030	1086244	---	---	---	1,11	down
6430888	7293234	1604358	---	---	---	1,11	down
6430896	7373678	1805858	---	---	---	1,25	up
6430916	7229909	1447246	---	---	---	3,02	down
6430930	7383586	1828440	---	---	---	1,20	up
6430963	7256789	1514653	---	---	---	1,02	down
6431011	7290793	1598636	---	---	---	1,21	down
6431132	7040674	987047	---	---	---	2,04	up
6431167	7127691	1195637	---	---	---	1,49	down
6431171	7310851	1649629	---	---	---	1,01	up
6431239	7155116	1263439	---	---	---	1,16	down
6431365	7098411	1123699	---	---	---	1,00	up
6431374	7376566	1812854	---	---	---	1,23	up
6431419	7323604	1680153	---	---	---	1,11	down
6431441	7095041	1115191	---	---	---	1,10	down
6431583	7297274	1614630	---	---	---	1,08	down
6431589	7177520	1318669	---	---	---	1,01	down
6431653	7193056	1358263	---	---	---	1,16	up
6431659	7292178	1601746	---	---	---	2,01	down
6431660	7356333	1760508	---	---	---	1,28	up
6431662	7363674	1778441	---	---	---	1,05	up
6431766	7067670	1050309	---	---	---	2,73	up
6431866	7042382	991295	---	---	---	1,25	up
6432014	7167325	1292547	---	---	---	1,07	down
6432029	7068259	1051616	---	---	---	2,06	down
6432053	7277783	1567460	---	---	---	1,00	down
6432055	7041140	988277	---	---	---	1,02	down
6432061	7176456	1315836	---	---	---	1,23	down
6432066	7181026	1327843	---	---	---	1,10	down
6432084	7180151	1325201	---	---	---	1,21	up
6432160	7340673	1721707	---	---	---	1,10	down
6432168	7198210	1371000	---	---	---	1,90	up
6432339	7313538	1655727	---	---	---	1,11	down
6432367	7034293	971968	---	---	---	1,09	down
6432463	7218728	1419919	---	---	---	1,23	up
6432506	7306229	1638251	---	---	---	1,56	down
6432661	7177180	1317763	---	---	---	1,11	up

6432736	7340673	1721705	---	---	---	1,61	down
6432785	7116023	1167285	---	---	---	1,15	down
6432808	7235794	1462896	---	---	---	2,15	up
6432846	7073854	1065616	---	---	---	1,35	down
6432892	7231834	1452273	---	---	---	1,25	up
6432895	7361881	1773928	---	---	---	1,38	up
6432931	7148741	1247843	---	---	---	1,14	up
6432995	7378997	1818636	---	---	---	1,07	down
6433034	7233178	1455905	---	---	---	1,11	down
6433318	7155116	1263412	---	---	---	1,71	up
6433425	7172988	1307338	---	---	---	1,08	down
6433433	7306680	1639576	---	---	---	1,01	down
6433608	7181105	1327967	---	---	---	1,34	down
6433621	7041609	989593	---	---	---	1,67	down
6433690	7233106	1455668	---	---	---	1,57	up
6433788	7173640	1308948	---	---	---	1,91	up
6433827	7213945	1407829	---	---	---	1,05	down
6433852	7183182	1333575	---	---	---	1,88	down
6433898	7210822	1400969	---	---	---	1,05	up
6433919	7067670	1050363	---	---	---	1,15	down
6434052	7217679	1417305	---	---	---	1,54	up
6434216	7113085	1159989	---	---	---	1,02	up
6434237	7186464	1341362	---	---	---	1,09	down
6434254	7210822	1400978	---	---	---	1,10	down
6434303	7069253	1054169	---	---	---	1,24	up
6434411	7052957	1016259	---	---	---	1,10	down
6434445	7088538	1099632	---	---	---	1,54	down
6434457	7235069	1460967	---	---	---	1,05	down
6434471	7179176	1322917	---	---	---	1,07	down
6434559	7233012	1455404	---	---	---	1,02	up
6434587	7264797	1534422	---	---	---	1,05	down
6434622	7244290	1484151	---	---	---	1,10	up
6434649	7263248	1530616	---	---	---	1,04	down
6434685	7110401	1153060	---	---	---	1,06	down
6434718	7367969	1789087	---	---	---	1,49	up
6434747	7273251	1555943	---	---	---	1,56	down
6434851	7301843	1626477	---	---	---	1,21	down
6434856	7312465	1653053	---	---	---	1,01	down
6434926	7118356	1173179	---	---	---	1,01	up
6434997	7257441	1516297	---	---	---	1,68	down
6435014	7142931	1233219	---	---	---	1,11	down
6435043	7188829	1346667	---	---	---	1,35	up
6435073	7366749	1785499	---	---	---	1,88	up
6435119	7067670	1050351	---	---	---	1,00	down
6435177	7093255	1110763	---	---	---	1,29	up
6435243	7084792	1090329	---	---	---	1,09	up
6435245	7378997	1818653	---	---	---	1,12	up
6435353	7292701	1602955	---	---	---	1,10	down
6435380	7307473	1641285	---	---	---	1,38	down
6435477	7194172	1361148	---	---	---	1,38	up
6435479	7122131	1182668	---	---	---	1,20	up
6435545	7041609	989580	---	---	---	1,25	down
6435735	7069727	1055369	---	---	---	1,59	up
6435779	7140365	1226758	---	---	---	1,57	down
6436009	7132125	1206612	---	---	---	1,30	down
6436416	7374324	1807448	---	---	---	1,02	down
6436472	7293763	1605711	---	---	---	1,01	up

6436478	7258455	1518712	---	---	---	1,09	up
6436606	7030454	961542	---	---	---	1,08	up
6436607	7193959	1360611	---	---	---	1,08	up
6436619	7336837	1711635	---	---	---	1,19	down
6436659	7240224	1474391	---	---	---	1,05	down
6436680	7198210	1370975	---	---	---	1,13	up
6436690	7363674	1778441	---	---	---	1,25	up
6436810	7258455	1518720	---	---	---	1,02	down
6436824	7243894	1482965	---	---	---	1,47	up
6436899	7179785	1324498	---	---	---	1,78	down
6437009	7364948	1781227	---	---	---	1,36	up
6437024	7102113	1132845	---	---	---	1,08	down
6437042	7243628	1482365	---	---	---	1,41	up
6437058	7165954	1288810	---	---	---	1,07	up
6437082	7132125	1206612	---	---	---	1,01	down
6437084	7098867	1124951	---	---	---	1,34	up
6437099	7090581	1104749	---	---	---	1,53	up
6437107	7196029	1365626	---	---	---	1,22	up
6437213	7194540	1362078	---	---	---	1,05	down
6437355	7381090	1822989	---	---	---	1,38	down
6437429	7146245	1241372	---	---	---	1,22	down
6437540	7371677	1800754	---	---	---	1,04	down
6437607	7227474	1441157	---	---	---	1,49	up
6437628	7099573	1126717	---	---	---	1,06	up
6437808	7264745	1534266	---	---	---	1,13	up
6437855	7087965	1098042	---	---	---	1,15	down
6437895	7222236	1428113	---	---	---	1,38	down
6437952	7360486	1770958	---	---	---	1,39	down
6438000	7039532	984435	---	---	---	1,74	down
6438060	7329135	1693495	---	---	---	1,82	down
6438098	7257976	1517713	---	---	---	1,33	down
6438153	7186443	1341313	---	---	---	1,26	down
6438247	7340757	1721909	---	---	---	1,24	down
6438272	7086966	1095260	---	---	---	1,13	up
6438345	7160846	1277345	---	---	---	1,04	down
6438347	7179914	1324710	---	---	---	1,02	up
6438615	7166855	1291260	---	---	---	1,22	down
6438626	7326271	1686471	---	---	---	2,08	up
6438716	7063716	1040147	---	---	---	1,69	up
6438934	7371253	1799564	---	---	---	1,22	down
6438938	7265259	1535439	---	---	---	1,43	up
6438970	7063716	1040206	---	---	---	1,07	down
6438996	7361042	1772280	---	---	---	1,41	down
6439032	7096924	1119602	---	---	---	2,67	down
6439033	7095960	1117070	---	---	---	1,73	down
6439054	7210263	1399760	---	---	---	1,09	up
6439072	7364346	1780015	---	---	---	1,02	up
6439089	7337425	1713147	---	---	---	1,02	up
6439091	7258455	1518704	---	---	---	1,29	down
6439215	7073677	1065166	---	---	---	1,47	down
6439236	7068259	1051638	---	---	---	1,01	down
6439360	7370779	1798156	---	---	---	1,58	down
6439403	7038530	981875	---	---	---	1,27	down
6439414	7240569	1475493	---	---	---	1,05	down
6439539	7360325	1770560	---	---	---	1,06	up
6439541	7254040	1507579	---	---	---	1,30	down
6439598	7280743	1574546	---	---	---	1,34	down

6439661	7122140	1182736	---	---	---	1,21	up
6439819	7243253	1481232	---	---	---	1,02	down
6439852	7274892	1559552	---	---	---	1,32	up
6439865	7240569	1475507	---	---	---	1,05	up
6439893	7376073	1811723	---	---	---	1,07	up
6439909	7260066	1522904	---	---	---	1,40	up
6439915	7114274	1162811	---	---	---	1,05	down
6439917	7232709	1454538	---	---	---	1,13	down
6439948	7033337	969491	---	---	---	1,28	down
6439952	7225543	1435917	---	---	---	1,49	up
6440076	7252728	1504320	---	---	---	1,03	up
6440128	7319151	1670111	---	---	---	1,30	up
6440142	7148741	1247826	---	---	---	1,14	down
6440284	7162959	1282085	---	---	---	1,01	up
6440291	7093936	1112479	---	---	---	1,02	up
6440298	7247954	1492358	---	---	---	1,63	down
6440379	7292869	1603374	---	---	---	1,16	down
6440432	7199536	1374708	---	---	---	2,13	down
6440454	7088544	1099695	---	---	---	1,22	down
6440464	7313841	1656732	---	---	---	1,07	down
6440470	7239752	1473155	---	---	---	1,39	up
6440620	7115963	1167071	---	---	---	1,85	up
6440632	7244288	1484093	---	---	---	1,47	down
6440643	7266544	1538338	---	---	---	1,04	down
6440665	7337425	1713181	---	---	---	1,14	down
6440673	7146872	1242904	---	---	---	1,34	down
6440686	7052813	1015884	---	---	---	1,46	down
6440697	7302860	1629032	---	---	---	1,01	up
6440713	7131119	1204441	---	---	---	1,24	up
6440782	7314620	1658541	---	---	---	1,37	down
6440866	7069142	1053879	---	---	---	1,03	down
6440918	7075790	1069996	---	---	---	1,55	down
6441041	7055793	1022309	---	---	---	1,65	up
6441054	7292701	1602960	---	---	---	1,64	down
6441183	7038659	982167	---	---	---	1,30	up
6441190	7374313	1807371	---	---	---	1,01	up
6441241	7143455	1234731	---	---	---	1,37	down
6441291	7064732	1042909	---	---	---	2,01	down
6441339	7079238	1077805	---	---	---	1,12	down
6441351	7031774	964752	---	---	---	1,18	down
6441354	7252877	1504744	---	---	---	1,07	down
6441378	7309734	1646915	---	---	---	1,46	down
6441424	7238199	1468930	---	---	---	1,58	up
6441549	7240569	1475322	---	---	---	1,15	down
6441561	7063716	1040148	---	---	---	1,50	down
6441744	7261668	1526982	---	---	---	1,08	down
6441772	7341002	1722547	---	---	---	1,25	up
6441777	7356027	1759982	---	---	---	1,10	up
6441815	7301296	1625000	---	---	---	1,31	down
6441949	7120379	1178329	---	---	---	1,13	up
6441986	7170764	1301438	---	---	---	1,00	up
6441988	7252877	1504691	---	---	---	1,14	down
6442124	7208784	1396092	---	---	---	1,30	down
6442187	7330731	1697194	---	---	---	1,19	up
6442206	7330731	1697169	---	---	---	1,12	up
6442278	7175946	1314631	---	---	---	1,04	up
6442296	7302787	1628890	---	---	---	1,01	up

6442379	7361075	1772344	---	---	---	1,34	up
6442549	7079600	1078630	---	---	---	1,01	down
6442675	7243647	1482442	---	---	---	1,17	down
6442747	7148978	1248547	---	---	---	1,57	up
6442846	7208784	1396113	---	---	---	1,18	down
6442852	7096461	1118270	---	---	---	1,13	up
6442856	7267802	1541907	---	---	---	2,03	up
6442921	7293234	1604348	---	---	---	1,93	up
6443076	7240569	1475402	---	---	---	1,03	up
6443138	7244936	1485354	---	---	---	2,01	down
6443156	7321965	1676532	---	---	---	1,07	up
6443166	7115507	1165980	---	---	---	1,03	up
6443187	7280570	1574099	---	---	---	1,19	up
6443210	7300392	1622754	---	---	---	2,27	up
6443524	7102416	1133491	---	---	---	1,07	up
6443545	7350993	1747547	---	---	---	1,02	up
6443644	7141456	1229592	---	---	---	1,20	up
6443792	7313905	1656846	---	---	---	2,66	down
6443884	7258455	1518715	---	---	---	1,10	up
6443912	7210822	1400978	---	---	---	1,35	down
6443930	7071292	1059418	---	---	---	1,18	up
6443976	7353232	1752773	---	---	---	1,15	up
6444019	7130889	1203867	---	---	---	1,16	up
6444054	7146982	1243277	---	---	---	1,14	down
6444109	7248790	1494526	---	---	---	1,07	down
6444246	7370412	1796828	---	---	---	1,46	down
6444302	7079238	1077802	---	---	---	1,33	up
6444343	7112355	1158073	---	---	---	1,04	up
6444481	7113483	1161006	---	---	---	1,49	up
6444541	7376566	1812887	---	---	---	1,90	up
6444669	7295652	1610297	---	---	---	1,28	up
6444748	7201422	1379172	---	---	---	1,43	up
6444862	7290942	1599132	---	---	---	2,33	down
6444888	7249917	1497393	---	---	---	2,22	up
6444975	7070393	1057214	---	---	---	1,39	up
6444984	7259925	1522545	---	---	---	1,07	down
6444997	7065860	1045796	---	---	---	1,00	up
6445024	7170764	1301440	---	---	---	1,09	up
6445025	7193056	1358289	---	---	---	1,13	up
6445042	7337224	1712628	---	---	---	1,36	down
6445092	7167325	1292548	---	---	---	1,01	up
6445110	7031774	964736	---	---	---	1,46	down
6445233	7289382	1595200	---	---	---	1,24	up
6445378	7280743	1574512	---	---	---	1,42	down
6445453	7255755	1511912	---	---	---	1,12	up
6445484	7318714	1669235	---	---	---	1,35	down
6445546	7052813	1015899	---	---	---	1,32	down
6445611	7059962	1031403	---	---	---	2,09	up
6445666	7106776	1144112	---	---	---	2,67	down
6445687	7261668	1526982	---	---	---	1,64	up
6445928	7207069	1392035	---	---	---	1,21	up
6445971	7293402	1604806	---	---	---	1,66	up
6446033	7080563	1080712	---	---	---	1,29	down
6446066	7368567	1791328	---	---	---	1,26	down
6446096	7052331	1014567	---	---	---	1,41	down
6446133	7154655	1262319	---	---	---	1,60	up
6446157	7346687	1736695	---	---	---	1,11	up

6446217	7074911	1068176	---	---	---	1,04	down
6446298	7198087	1370677	---	---	---	1,14	down
6446338	7030037	960707	---	---	---	1,06	down
6446359	7225543	1435933	---	---	---	1,59	down
6446569	7150348	1251434	---	---	---	1,18	up
6446612	7213908	1407698	---	---	---	1,57	up
6446718	7363147	1777030	---	---	---	1,13	down
6446722	7068259	1051646	---	---	---	1,14	down
6446726	7368986	1792860	---	---	---	1,72	up
6446792	7358859	1766990	---	---	---	1,27	down
6446825	7200152	1376049	---	---	---	1,09	up
6446837	7248790	1494517	---	---	---	1,15	up
6446842	7058713	1028667	---	---	---	1,20	up
6446915	7350237	1745482	---	---	---	1,34	up
6446928	7069603	1055049	---	---	---	1,24	down
6446989	7239752	1473191	---	---	---	1,69	down
6447052	7083030	1086256	---	---	---	1,57	down
6447103	7032558	967064	---	---	---	1,47	down
6447114	7263652	1531625	---	---	---	1,01	up
6447252	7086522	1093955	---	---	---	1,73	down
6447285	7333462	1703648	---	---	---	1,71	up
6447352	7344702	1732143	---	---	---	1,10	down
6447407	7329341	1693876	---	---	---	1,03	up
6447479	7384509	1830735	---	---	---	1,02	up
6447525	7327169	1688462	---	---	---	1,18	down
6447526	7297274	1614611	---	---	---	1,23	up
6447536	7340263	1720769	---	---	---	1,05	down
6447573	7235794	1462881	---	---	---	1,24	up
6447587	7034293	971986	---	---	---	1,14	down
6447670	7238115	1468568	---	---	---	1,05	up
6447699	7329135	1693488	---	---	---	1,39	down
6447803	7217650	1417193	---	---	---	1,25	down
6447870	7075445	1069342	---	---	---	1,12	down
6448020	7231557	1451566	---	---	---	1,00	up
6448035	7222741	1429362	---	---	---	1,45	up
6448073	7342430	1726146	---	---	---	1,03	up
6448078	7112355	1158072	---	---	---	1,32	down
6448143	7212587	1404631	---	---	---	1,68	up
6448187	7038971	982983	---	---	---	2,47	down
6448304	7029770	960158	---	---	---	1,69	down
6448307	7125348	1190075	---	---	---	1,17	down
6448489	7062436	1037721	---	---	---	1,29	up
6448510	7031774	964725	---	---	---	1,73	up
6448558	7342430	1726152	---	---	---	1,07	up
6448576	7087282	1096196	---	---	---	1,20	up
6448604	7076236	1071200	---	---	---	1,70	down
6448677	7073677	1065170	---	---	---	1,51	down
6448788	7090581	1104742	---	---	---	1,22	down
6448913	7378997	1818658	---	---	---	1,09	up
6449195	7168521	1295963	---	---	---	1,34	down
6449258	7103782	1136948	---	---	---	1,04	up
6449444	7346066	1735287	---	---	---	1,05	down
6449451	7201422	1379197	---	---	---	3,33	up
6449532	7380497	1821841	---	---	---	1,02	down
6449576	7064468	1042372	---	---	---	1,50	up
6449586	7146542	1242249	---	---	---	1,06	up
6449632	7068413	1051971	---	---	---	1,39	up

6449644	7217650	1417195	---	---	---	1,07	down
6449873	7180804	1327007	---	---	---	1,34	down
6450033	7039265	983658	---	---	---	1,97	up
6450066	7076160	1070963	---	---	---	1,32	up
6450098	7344838	1732419	---	---	---	1,10	down
6450175	7290775	1598601	---	---	---	1,58	up
6450194	7239939	1473784	---	---	---	1,39	down
6450200	7196029	1365611	---	---	---	1,12	down
6450267	7106752	1144014	---	---	---	1,29	down
6450305	7217434	1416445	---	---	---	1,43	up
6450320	7240569	1475365	---	---	---	3,56	down
6450394	7029770	960158	---	---	---	1,35	down
6450491	7041609	989569	---	---	---	1,17	up
6450499	7363576	1778194	---	---	---	1,19	down
6450546	7083965	1088219	---	---	---	1,02	up
6450867	7070836	1058335	---	---	---	1,04	up
6450869	7330731	1697197	---	---	---	1,08	up
6450942	7186688	1341843	---	---	---	1,28	up
6450976	7219304	1421273	---	---	---	1,09	up
6451095	7033673	970373	---	---	---	1,03	down
6451100	7256070	1512594	---	---	---	3,41	up
6451121	7181001	1327602	---	---	---	1,02	down
6451151	7082098	1084112	---	---	---	1,12	down
6451166	7069464	1054663	---	---	---	1,10	down
6451327	7301900	1626743	---	---	---	1,40	up
6451367	7333462	1703639	---	---	---	1,19	down
6451453	7082098	1084114	---	---	---	1,07	up
6451535	7120039	1177548	---	---	---	1,80	up
6451638	7217747	1417494	---	---	---	1,56	down
6451649	7156372	1266713	---	---	---	1,09	up
6451682	7302860	1629027	---	---	---	2,27	up
6451764	7027350	954944	---	---	---	1,16	up
6451816	7142321	1231501	---	---	---	1,08	up
6451860	7240224	1474395	---	---	---	6,21	up
6451863	7292701	1602967	---	---	---	1,13	up
6451991	7255522	1511410	---	---	---	1,59	up
6451999	7236358	1464237	---	---	---	1,99	up
6452015	7358859	1766996	---	---	---	1,23	down
6452030	7344713	1732174	---	---	---	1,21	down
6452033	7337224	1712615	---	---	---	1,86	up
6452149	7364346	1780012	---	---	---	1,40	up
6452215	7280743	1574531	---	---	---	1,08	down
6452249	7350237	1745487	---	---	---	1,02	down
6452259	7039532	984432	---	---	---	1,20	down
6452273	7318084	1667937	---	---	---	1,14	up
6452418	7329135	1693486	---	---	---	1,05	up
6452453	7196029	1365642	---	---	---	1,18	down
6452481	7308262	1643180	---	---	---	2,62	down
6452490	7112566	1158635	---	---	---	2,09	down
6452531	7100210	1128140	---	---	---	1,78	down
6452617	7332059	1700734	---	---	---	1,01	up
6452640	7213908	1407664	---	---	---	1,21	down
6452698	7208784	1396147	---	---	---	1,03	up
6452925	7340757	1721891	---	---	---	1,01	up
6452937	7069721	1055297	---	---	---	1,40	down
6453008	7227775	1441827	---	---	---	1,13	up
6453057	7070511	1057472	---	---	---	2,08	down

6453101	7140834	1227938	---	---	---	1,46	up
6453108	7166867	1291346	---	---	---	1,67	up
6453118	7127257	1194813	---	---	---	1,34	down
6453238	7062233	1037227	---	---	---	1,10	down
6453294	7035525	974752	---	---	---	1,05	down
6453312	7132020	1206317	---	---	---	1,21	down
6453338	7264797	1534422	---	---	---	1,44	down
6453479	7247334	1490820	---	---	---	1,51	down
6453531	7075460	1069393	---	---	---	1,42	up
6453603	7337224	1712601	---	---	---	2,12	down
6453606	7341646	1724211	---	---	---	1,01	down
6453658	7329136	1693551	---	---	---	1,06	up
6453662	7059766	1030972	---	---	---	1,90	down
6453684	7243363	1481603	---	---	---	1,47	up
6453739	7171091	1302452	---	---	---	1,31	up
6453785	7274892	1559560	---	---	---	1,18	down
6454048	7236492	1464544	---	---	---	1,03	down
6454101	7350993	1747525	---	---	---	1,06	up
6454318	7100408	1128642	---	---	---	1,81	down
6454373	7193056	1358256	---	---	---	1,35	down
6454399	7217434	1416439	---	---	---	1,67	down
6454411	7079238	1077821	---	---	---	1,09	down
6454505	7070836	1058338	---	---	---	1,11	up
6454532	7369954	1795674	---	---	---	1,53	down
6454549	7240569	1475446	---	---	---	1,07	up
6454586	7147809	1245465	---	---	---	1,43	down
6454597	7181001	1327590	---	---	---	1,23	up
6454621	7225634	1436217	---	---	---	1,08	down
6454627	7337425	1713191	---	---	---	1,32	up
6454636	7318714	1669235	---	---	---	1,11	down
6454651	7341274	1723400	---	---	---	1,86	down
6454745	7279533	1571917	---	---	---	1,95	down
6454795	7067828	1050788	---	---	---	1,02	down
6454830	7171091	1302460	---	---	---	1,20	down
6454851	7344702	1732145	---	---	---	2,10	up
6455097	7102510	1133875	---	---	---	1,15	down
6455140	7233513	1457175	---	---	---	1,07	up
6455182	7168521	1295972	---	---	---	1,72	down
6455353	7038179	981263	---	---	---	1,80	down
6455395	7217434	1416440	---	---	---	1,61	down
6455436	7378997	1818670	---	---	---	1,17	down
6455464	7058713	1028664	---	---	---	1,01	up
6455536	7237814	1467828	---	---	---	1,05	up
6455618	7243627	1482358	---	---	---	1,05	up
6455626	7088625	1099863	---	---	---	1,18	down
6455746	7065640	1045205	---	---	---	2,02	up
6455891	7086966	1095284	---	---	---	1,28	down
6455907	7230886	1449577	---	---	---	1,04	down
6456046	7370415	1796853	---	---	---	1,43	down
6456200	7120486	1178574	---	---	---	2,21	down
6456279	7062436	1037715	---	---	---	1,70	up
6456282	7261580	1526788	---	---	---	1,11	up
6456393	7038179	981269	---	---	---	1,01	down
6456397	7364346	1780034	---	---	---	1,11	up
6456519	7072269	1061513	---	---	---	1,72	down
6456616	7107926	1146825	---	---	---	1,43	up
6456618	7119845	1176893	---	---	---	1,62	up

6456654	7063716	1040139	---	---	---	1,03	down
6456694	7064134	1041477	---	---	---	1,09	down
6456697	7333462	1703648	---	---	---	1,05	down
6456747	7295652	1610288	---	---	---	1,05	up
6456780	7356027	1759985	---	---	---	1,08	up
6456825	7341038	1722674	---	---	---	1,33	down
6456843	7234040	1458499	---	---	---	1,53	up
6457004	7041584	989456	---	---	---	1,24	up
6457027	7122585	1183682	---	---	---	1,33	down
6457080	7339286	1718108	---	---	---	1,41	up
6457136	7366749	1785477	---	---	---	2,05	down
6457173	7217650	1417202	---	---	---	1,03	up
6457201	7062436	1037658	---	---	---	1,75	up
6457240	7193403	1359181	---	---	---	1,25	down
6457314	7330238	1695955	---	---	---	1,18	up
6457339	7284934	1584915	---	---	---	2,14	up
6457400	7366749	1785502	---	---	---	1,12	down
6457446	7030519	961701	---	---	---	1,04	up
6457470	7279073	1570710	---	---	---	1,40	down
6457521	7336931	1711872	---	---	---	1,35	down
6457587	7110401	1153082	---	---	---	1,09	down
6457813	7267802	1541838	---	---	---	1,73	up
6457820	7038153	981159	---	---	---	1,04	up
6457827	7244288	1484119	---	---	---	1,65	down
6457847	7099573	1126735	---	---	---	1,00	up
6457905	7211389	1402113	---	---	---	1,09	down
6457918	7295612	1610171	---	---	---	1,03	up
6457963	7295410	1609794	---	---	---	1,11	up
6458148	7340990	1722517	---	---	---	1,31	up
6458314	7243901	1483042	---	---	---	1,11	down
6458317	7367943	1788930	---	---	---	1,00	down
6458425	7148741	1247870	---	---	---	1,04	up
6458478	7377457	1815096	---	---	---	1,31	up
6458568	7238202	1468948	---	---	---	1,46	up
6458676	7337224	1712563	---	---	---	1,08	down
6458679	7247512	1491205	---	---	---	1,33	up
6458719	7213908	1407757	---	---	---	1,41	down
6458721	7377583	1815461	---	---	---	1,69	up
6458722	7068259	1051593	---	---	---	1,25	up
6458889	7279806	1572559	---	---	---	1,45	up
6458948	7195680	1364883	---	---	---	1,37	up
6459015	7303777	1631908	---	---	---	1,31	up
6459025	7301198	1624737	---	---	---	1,24	up
6459049	7120195	1177874	---	---	---	3,14	down
6459129	7333462	1703637	---	---	---	1,84	up
6459191	7321029	1674804	---	---	---	1,23	down
6459195	7101258	1130569	---	---	---	1,03	up
6459197	7183190	1333645	---	---	---	1,18	down
6459223	7101258	1130565	---	---	---	1,22	down
6459280	7286807	1588795	---	---	---	1,36	down
6459382	7179785	1324460	---	---	---	1,15	down
6459415	7330731	1697199	---	---	---	1,11	down
6459417	7339732	1719212	---	---	---	1,15	down
6459465	7132125	1206610	---	---	---	1,18	up
6459472	7113483	1161014	---	---	---	1,31	down
6459509	7066035	1046215	---	---	---	1,00	up
6459531	7350993	1747524	---	---	---	1,24	down

6459547	7317708	1666828	---	---	---	1,30	up
6459672	7365147	1781779	---	---	---	1,62	down
6459719	7374324	1807521	---	---	---	1,10	down
6459816	7349643	1744147	---	---	---	1,00	down
6459834	7040442	986502	---	---	---	1,51	up
6459875	7200313	1376452	---	---	---	1,11	down
6459885	7136142	1216422	---	---	---	1,31	up
6459890	7318651	1669085	---	---	---	1,06	up
6459919	7141061	1228677	---	---	---	1,20	down
6460042	7380497	1821824	---	---	---	1,42	down
6460180	7258546	1518930	---	---	---	1,30	up
6460452	7364346	1779987	---	---	---	1,21	down
6460508	7237699	1467392	---	---	---	2,18	up
6460521	7297589	1615660	---	---	---	2,07	down
6460593	7261580	1526798	---	---	---	1,11	down
6460714	7053874	1018307	---	---	---	1,08	up
6460797	7227775	1441839	---	---	---	1,15	down
6460835	7217434	1416425	---	---	---	1,08	down
6461078	7177180	1317765	---	---	---	1,64	down
6461127	7088164	1098475	---	---	---	1,16	up
6461204	7040442	986530	---	---	---	1,71	down
6461234	7330238	1695929	---	---	---	1,04	down
6461260	7108434	1148308	---	---	---	1,35	down
6461321	7196029	1365624	---	---	---	1,20	down
6461364	7109292	1150753	---	---	---	1,81	down
6461424	7147809	1245447	---	---	---	1,54	down
6461457	7102889	1134883	---	---	---	1,14	up
6461539	7347427	1738664	---	---	---	1,13	up
6461554	7175946	1314651	---	---	---	1,72	up
6461768	7270895	1549511	---	---	---	1,19	up
6461777	7263805	1532197	---	---	---	1,18	up
6461860	7181001	1327614	---	---	---	1,31	up
6461905	7378997	1818663	---	---	---	1,05	up
6461946	7252877	1504690	---	---	---	1,17	down
6462002	7282927	1579973	---	---	---	1,30	up
6462027	7072765	1062738	---	---	---	1,02	up
6462158	7296860	1613436	---	---	---	9,33	down
6462162	7378981	1818537	---	---	---	1,31	down
6462189	7040442	986564	---	---	---	1,07	down
6462248	7342356	1725873	---	---	---	1,45	down
6462279	7243647	1482427	---	---	---	1,66	up
6462362	7350489	1746112	---	---	---	1,17	up
6462516	7383102	1827397	---	---	---	1,24	down
6462618	7243363	1481629	---	---	---	1,11	up
6462632	7238115	1468591	---	---	---	1,35	down
6462650	7136142	1216415	---	---	---	1,80	up
6462651	7156611	1267364	---	---	---	1,10	up
6462712	7118598	1173760	---	---	---	1,00	down
6462726	7120827	1179350	---	---	---	1,09	down
6462848	7309734	1646891	---	---	---	1,02	down
6462938	7200996	1378163	---	---	---	1,48	up
6463031	7057462	1025863	---	---	---	1,18	up
6463067	7238202	1468937	---	---	---	1,12	down
6463082	7146542	1242286	---	---	---	1,10	up
6463206	7133484	1209937	---	---	---	1,43	up
6463299	7330396	1696353	---	---	---	1,05	down
6463495	7254040	1507596	---	---	---	1,18	up

6463531	7038153	981160	---	---	---	1,12	down
6463556	7261580	1526773	---	---	---	1,10	down
6463608	7240569	1475495	---	---	---	1,04	up
6463800	7063716	1040146	---	---	---	1,36	up
6463809	7266544	1538341	---	---	---	1,83	down
6463874	7096924	1119603	---	---	---	1,44	up
6463878	7180732	1326734	---	---	---	1,54	up
6463893	7253408	1505953	---	---	---	1,34	up
6464303	7227433	1440970	---	---	---	1,23	up
6464532	7210263	1399754	---	---	---	1,14	up
6464566	7318143	1668094	---	---	---	1,73	down
6464589	7148741	1247833	---	---	---	1,02	up
6464590	7355044	1757422	---	---	---	1,08	down
6464616	7098867	1124947	---	---	---	2,29	down
6464626	7168521	1295942	---	---	---	1,04	up
6464627	7355865	1759601	---	---	---	1,24	up
6464728	7039223	983556	---	---	---	1,24	down
6464781	7096461	1118271	---	---	---	1,30	up
6464782	7041609	989576	---	---	---	1,09	up
6464814	7068259	1051660	---	---	---	1,11	up
6464817	7095041	1115187	---	---	---	1,13	down
6464832	7384509	1830751	---	---	---	1,55	up
6465216	7273744	1557043	---	---	---	1,15	up
6465289	7337845	1714344	---	---	---	1,11	up
6465357	7071969	1060899	---	---	---	1,02	up
6465439	7193056	1358268	---	---	---	1,12	down
6465553	7364346	1780015	---	---	---	1,13	up
6465573	7232709	1454525	---	---	---	1,43	up
6465742	7355044	1757424	---	---	---	1,44	down
6465748	7364346	1779986	---	---	---	1,38	down
6465774	7149817	1250303	---	---	---	1,26	down
6465779	7088489	1099515	---	---	---	1,72	up
6465872	7344702	1732138	---	---	---	1,00	up
6465933	7213908	1407666	---	---	---	1,03	up
6465961	7093255	1110762	---	---	---	1,19	up
6465979	7211690	1402642	---	---	---	1,06	down
6466002	7297589	1615638	---	---	---	1,37	down
6466091	7109292	1150742	---	---	---	1,57	up
6466109	7156978	1268175	---	---	---	1,13	down
6466733	7330314	1696134	---	---	---	1,66	down
6466735	7317318	1665827	---	---	---	1,28	up
6466783	7244290	1484161	---	---	---	1,01	down
6466987	7158419	1271427	---	---	---	1,04	up
6467021	7279593	1572093	---	---	---	1,35	down
6467043	7243894	1482988	---	---	---	1,43	up
6467098	7240569	1475510	---	---	---	1,48	up
6467162	7244288	1484104	---	---	---	2,87	up
6467240	7321029	1674830	---	---	---	1,02	up
6467253	7055793	1022310	---	---	---	1,33	up
6467358	7177834	1319651	---	---	---	1,75	up
6467491	7371753	1800970	---	---	---	1,36	down
6467667	7181001	1327610	---	---	---	1,12	down
6467705	7142081	1230973	---	---	---	1,05	up
6467793	7374313	1807365	---	---	---	1,41	down
6467964	7119845	1176894	---	---	---	1,12	down
6468150	7372840	1803782	---	---	---	1,06	up
6468192	7344406	1731234	---	---	---	1,34	up

6468229	7330238	1695938	---	---	---	1,02	up
6468375	7380452	1821678	---	---	---	2,74	down
6468582	7152007	1255303	---	---	---	2,08	up
6468668	7075460	1069383	---	---	---	1,37	down
6468684	7288284	1592645	---	---	---	1,29	down
6468699	7364948	1781222	---	---	---	1,32	down
6468783	7041140	988283	---	---	---	1,22	up
6468896	7217679	1417306	---	---	---	1,16	down
6468938	7213908	1407754	---	---	---	1,23	down
6468944	7264653	1534024	---	---	---	1,22	down
6468956	7274780	1559238	---	---	---	1,15	down
6468975	7211690	1402643	---	---	---	1,30	down
6469000	7239752	1473149	---	---	---	2,71	up
6469099	7217747	1417491	---	---	---	1,15	down
6469101	7098831	1124860	---	---	---	1,11	down
6469115	7071264	1059285	---	---	---	1,48	up
6469168	7050155	1009763	---	---	---	1,22	up
6469187	7217747	1417480	---	---	---	1,15	down
6469413	7326245	1686398	---	---	---	1,09	up
6469568	7112355	1158069	---	---	---	1,09	up
6469579	7244602	1484776	---	---	---	1,43	down
6469701	7303777	1631908	---	---	---	1,32	down
6469733	7208784	1396155	---	---	---	1,69	up
6469735	7168979	1297200	---	---	---	1,28	down
6469785	7340990	1722510	---	---	---	2,58	down
6469797	7183182	1333579	---	---	---	1,36	up
6469844	7205944	1389485	---	---	---	1,15	up
6469876	7247230	1490567	---	---	---	1,09	down
6469979	7126400	1192528	---	---	---	1,12	up
6470050	7249917	1497391	---	---	---	1,52	up
6470074	7243647	1482478	---	---	---	1,11	up
6470105	7280743	1574510	---	---	---	1,04	up
6470111	7358623	1766262	---	---	---	1,68	up
6470264	7168979	1297175	---	---	---	1,08	up
6470307	7373633	1805699	---	---	---	1,52	down
6470399	7156611	1267369	---	---	---	1,01	down
6470468	7217434	1416418	---	---	---	1,21	down
6470530	7293266	1604451	---	---	---	2,35	down
6470581	7198210	1370996	---	---	---	1,05	down
6470785	7194540	1362111	---	---	---	1,48	up
6470945	7344380	1731134	---	---	---	1,21	up
6471025	7180804	1326998	---	---	---	1,17	down
6471104	7374313	1807389	---	---	---	1,20	down
6471192	7330238	1695920	---	---	---	1,42	up
6471283	7186688	1341848	---	---	---	1,03	down
6471347	7277742	1567199	---	---	---	1,09	down
6471423	7217434	1416374	---	---	---	1,20	up
6471483	7267953	1542237	---	---	---	1,40	down
6471560	7029078	958874	---	---	---	1,04	up
6471681	7226277	1437985	---	---	---	1,20	down
6471686	7361881	1773925	---	---	---	1,28	down
6471944	7176362	1315509	---	---	---	1,10	up
6471975	7356115	1760129	---	---	---	1,51	down
6471998	7330223	1695837	---	---	---	1,21	up
6472009	7132263	1206887	---	---	---	1,16	up
6472059	7238202	1468941	---	---	---	1,27	down
6472152	7152007	1255304	---	---	---	1,59	up

6472214	7279533	1571916	---	---	---	7,16	down
6472222	7162959	1282089	---	---	---	1,55	up
6472325	7069830	1055634	---	---	---	1,01	down
6472366	7243647	1482422	---	---	---	1,20	down
6472430	7176275	1315331	---	---	---	1,03	down
6472478	7227775	1441827	---	---	---	1,41	up
6472503	7070836	1058324	---	---	---	1,04	down
6472513	7332059	1700729	---	---	---	1,06	up
6472684	7337425	1713179	---	---	---	1,04	down
6472691	7295652	1610275	---	---	---	1,35	down
6472786	7246518	1489054	---	---	---	2,07	up
6472979	7326271	1686463	---	---	---	1,11	down
6473016	7162177	1280581	---	---	---	1,73	up
6473083	7349944	1744923	---	---	---	1,12	up
6473100	7286807	1588804	---	---	---	1,07	down
6473167	7092549	1109159	---	---	---	1,00	down
6473241	7243647	1482448	---	---	---	1,44	down
6473330	7142081	1230979	---	---	---	1,48	up
6473373	7281924	1577717	---	---	---	1,70	up
6473386	7038179	981252	---	---	---	1,71	down
6473461	7113483	1161012	---	---	---	1,45	up
6473498	7055876	1022486	---	---	---	2,26	down
6473507	7344838	1732426	---	---	---	1,09	up
6473517	7112566	1158636	---	---	---	1,42	down
6473547	7041609	989562	---	---	---	1,09	down
6473640	7258455	1518706	---	---	---	1,13	up
6473804	7197056	1367844	---	---	---	1,00	up
6473827	7212141	1403604	---	---	---	1,33	up
6473830	7155116	1263432	---	---	---	1,31	up
6473854	7289879	1596439	---	---	---	1,54	down
6473873	7082098	1084112	---	---	---	1,08	down
6473878	7056304	1023626	---	---	---	1,39	up
6473890	7301843	1626484	---	---	---	1,03	down
6474078	7244287	1484051	---	---	---	1,28	up
6474111	7369400	1793984	---	---	---	1,13	up
6474185	7078666	1076536	---	---	---	1,06	down
6474213	7374740	1808618	---	---	---	1,07	up
6474217	7088489	1099525	---	---	---	1,07	up
6474233	7147720	1245237	---	---	---	1,60	up
6474253	7258323	1518471	---	---	---	6,58	down
6474299	7280570	1574101	---	---	---	1,38	down
6474436	7210263	1399751	---	---	---	1,23	up
6474466	7321029	1674832	---	---	---	1,04	down
6474471	7142770	1232734	---	---	---	1,35	down
6474589	7058149	1027280	---	---	---	1,14	up
6474658	7227433	1440979	---	---	---	1,05	down
6474664	7099573	1126719	---	---	---	1,13	up
6474691	7378546	1817601	---	---	---	1,38	down
6474747	7120468	1178510	---	---	---	1,00	down
6474753	7154655	1262343	---	---	---	1,41	up
6474844	7172691	1306434	---	---	---	1,38	up
6475096	7069253	1054171	---	---	---	1,06	up
6475118	7188138	1345027	---	---	---	1,21	up
6475120	7158419	1271379	---	---	---	1,24	down
6475128	7274780	1559210	---	---	---	2,17	down
6475223	7339379	1718337	---	---	---	1,43	down
6475373	7244288	1484128	---	---	---	1,41	down

6475426	7243647	1482468	---	---	---	1,44	down
6475563	7050167	1009823	---	---	---	1,02	down
6475630	7241995	1478324	---	---	---	1,25	up
6475809	7156372	1266705	---	---	---	2,00	up
6475818	7255517	1511372	---	---	---	1,49	down
6475880	7177834	1319627	---	---	---	1,10	up
6476007	7146982	1243287	---	---	---	1,15	up
6476027	7139708	1225053	---	---	---	1,04	up
6476028	7327169	1688457	---	---	---	1,34	down
6476088	7359453	1768460	---	---	---	1,37	up
6476173	7089080	1101142	---	---	---	1,78	down
6476223	7306229	1638245	---	---	---	1,13	down
6476281	7229856	1447074	---	---	---	1,20	up
6476308	7339834	1719557	---	---	---	1,12	up
6476313	7249019	1495080	---	---	---	1,31	down
6476316	7361223	1772614	---	---	---	2,52	down
6476338	7374324	1807474	---	---	---	1,05	down
6476344	7073950	1065920	---	---	---	1,12	down
6476363	7033337	969492	---	---	---	1,09	down
6476391	7253215	1505380	---	---	---	1,56	down
6476392	7243647	1482466	---	---	---	1,05	down
6476423	7115963	1167077	---	---	---	1,10	up
6476450	7267802	1541733	---	---	---	1,32	down
6476559	7072332	1061644	---	---	---	1,20	up
6476565	7301843	1626486	---	---	---	1,11	up
6476688	7277783	1567457	---	---	---	1,47	up
6476726	7360486	1770966	---	---	---	1,13	up
6476755	7212735	1405002	---	---	---	1,24	down
6476783	7238252	1469221	---	---	---	1,15	up
6476785	7061550	1035289	---	---	---	1,84	down
6476793	7067828	1050787	---	---	---	1,06	down
6476898	7243894	1482955	---	---	---	1,23	up
6476927	7078982	1077323	---	---	---	1,00	down
6477074	7168521	1295956	---	---	---	1,03	up
6477109	7249019	1495082	---	---	---	1,13	up
6477114	7167872	1294022	---	---	---	1,78	down
6477158	7364582	1780555	---	---	---	1,93	down
6477187	7350237	1745488	---	---	---	1,20	up
6477251	7243647	1482419	---	---	---	2,65	down
6477285	7292869	1603426	---	---	---	1,74	up
6477302	7288077	1591988	---	---	---	2,27	up
6477343	7267344	1540261	---	---	---	1,05	down
6477357	7119845	1176898	---	---	---	1,16	up
6477390	7217679	1417320	---	---	---	1,09	down
6477426	7381330	1823629	---	---	---	1,83	up
6477455	7115963	1167060	---	---	---	1,02	down
6477569	7350237	1745480	---	---	---	1,02	down
6477575	7204831	1386812	---	---	---	1,00	down
6477638	7340304	1720841	---	---	---	1,20	up
6477743	7231484	1451370	---	---	---	1,18	down
6477784	7034293	971993	---	---	---	1,15	up
6477837	7330238	1695950	---	---	---	1,28	down
6477861	7318139	1668070	---	---	---	1,09	down
6477975	7056333	1023669	---	---	---	1,08	down
6477998	7068259	1051649	---	---	---	1,14	down
6478062	7110999	1154768	---	---	---	1,10	down
6478139	7075460	1069409	---	---	---	1,63	down

6478151	7210713	1400753	---	---	---	1,61	down
6478224	7217747	1417494	---	---	---	1,02	up
6478272	7277742	1567211	---	---	---	1,07	up
6478283	7279103	1570838	---	---	---	1,52	down
6478304	7052176	1014223	---	---	---	1,02	up
6478322	7079238	1077806	---	---	---	1,35	down
6478377	7264797	1534422	---	---	---	1,03	up
6478483	7197056	1367837	---	---	---	1,02	up
6478520	7037495	979334	---	---	---	1,02	up
6478578	7314270	1657751	---	---	---	1,09	up
6478613	7027386	955085	---	---	---	1,15	up
6478650	7060896	1033549	---	---	---	1,14	up
6478757	7172691	1306453	---	---	---	1,18	up
6478803	7121849	1181760	---	---	---	1,03	down
6478842	7261580	1526767	---	---	---	1,02	up
6478895	7147204	1243775	---	---	---	1,62	up
6478931	7286613	1588476	---	---	---	4,56	up
6479045	7363568	1778139	---	---	---	2,28	up
6479074	7118356	1173203	---	---	---	1,74	up
6479132	7148978	1248501	---	---	---	1,03	down
6479156	7308679	1644252	---	---	---	1,55	up
6479227	7063716	1040125	---	---	---	1,60	down
6479261	7076099	1070648	---	---	---	1,10	up
6479392	7281577	1576871	---	---	---	1,06	up
6479399	7132125	1206640	---	---	---	1,03	up
6479488	7173706	1309260	---	---	---	1,58	up
6479509	7189404	1348198	---	---	---	1,53	up
6479518	7227474	1441158	---	---	---	1,16	up
6479521	7384509	1830733	---	---	---	1,05	up
6479561	7180732	1326727	---	---	---	1,09	up
6479665	7344836	1732409	---	---	---	1,10	up
6479700	7092549	1109187	---	---	---	1,09	up
6479710	7330731	1697196	---	---	---	1,04	up
6479777	7069727	1055347	---	---	---	2,13	up
6479847	7371682	1800776	---	---	---	1,22	down
6479857	7092549	1109165	---	---	---	1,26	down
6479917	7084193	1089048	---	---	---	1,07	up
6479993	7212587	1404639	---	---	---	1,19	up
6480172	7180151	1325199	---	---	---	1,09	down
6480179	7341274	1723394	---	---	---	1,01	up
6480257	7034356	972151	---	---	---	2,13	down
6480261	7070668	1057934	---	---	---	1,28	down
6480269	7336931	1711872	---	---	---	1,33	down
6480363	7381330	1823632	---	---	---	1,79	up
6480389	7069253	1054168	---	---	---	2,42	up
6480458	7181105	1327967	---	---	---	1,27	up
6480590	7244287	1484067	---	---	---	1,06	up
6480607	7217650	1417171	---	---	---	1,04	up
6480610	7058507	1028322	---	---	---	1,24	up
6480666	7259221	1520618	---	---	---	1,27	up
6480773	7353232	1752773	---	---	---	1,25	up
6480806	7189669	1348963	---	---	---	1,08	up
6480989	7142081	1230987	---	---	---	1,25	up
6481079	7172373	1305575	---	---	---	1,09	up
6481150	7038530	981883	---	---	---	1,43	up
6481290	7337224	1712603	---	---	---	1,13	down
6481309	7216994	1415185	---	---	---	1,71	down

6481388	7247230	1490570	---	---	---	1,08	down
6481408	7160846	1277345	---	---	---	2,68	up
6481655	7289382	1595200	---	---	---	1,31	down
6481688	7340757	1721895	---	---	---	1,19	down
6481757	7341274	1723395	---	---	---	1,40	down
6481797	7315206	1660035	---	---	---	2,18	down
6481810	7101258	1130570	---	---	---	1,02	down
6481933	7068413	1051970	---	---	---	1,04	up
6481958	7217434	1416379	---	---	---	1,31	down
6481976	7252728	1504324	---	---	---	1,02	up
6481977	7140113	1226055	---	---	---	1,44	down
6481996	7227775	1441803	---	---	---	1,20	up
6482017	7088621	1099850	---	---	---	2,26	down
6482066	7156611	1267316	---	---	---	1,87	down
6482088	7203041	1382729	---	---	---	1,58	up
6482174	7033337	969501	---	---	---	1,08	up
6482237	7059020	1029357	---	---	---	1,49	down
6482255	7376073	1811708	---	---	---	1,31	down
6482257	7108434	1148306	---	---	---	1,10	down
6482447	7320735	1674183	---	---	---	1,06	down
6482497	7039223	983562	---	---	---	2,44	down
6482560	7333462	1703642	---	---	---	1,18	down
6482571	7061550	1035281	---	---	---	2,16	down
6482637	7337425	1713203	---	---	---	1,09	up
6482660	7194400	1361762	---	---	---	1,64	up
6482793	7030037	960707	---	---	---	1,37	up
6482893	7330396	1696352	---	---	---	1,31	up
6483035	7252877	1504746	---	---	---	1,09	down
6483041	7086966	1095239	---	---	---	1,05	up
6483188	7256191	1512883	---	---	---	1,19	down
6483204	7318139	1668071	---	---	---	1,02	up
6483276	7040674	987029	---	---	---	2,11	up
6483277	7039532	984437	---	---	---	1,13	up
6483378	7356115	1760123	---	---	---	1,13	up
6483450	7326271	1686458	---	---	---	1,19	down
6483468	7245921	1487678	---	---	---	1,18	up
6483525	7127691	1195635	---	---	---	1,25	down
6483526	7112355	1158068	---	---	---	1,15	down
6483528	7267204	1539861	---	---	---	1,09	down
6483642	7087965	1098025	---	---	---	1,82	up
6483656	7074164	1066384	---	---	---	1,47	up
6483664	7274780	1559216	---	---	---	1,10	down
6483752	7255517	1511370	---	---	---	1,14	up
6483756	7186443	1341312	---	---	---	1,07	up
6483758	7125348	1190074	---	---	---	1,06	up
6483955	7245874	1487592	---	---	---	1,11	up
6483971	7060896	1033577	---	---	---	1,09	up
6484086	7280743	1574552	---	---	---	1,12	up
6484108	7352046	1750031	---	---	---	1,01	up
6484193	7255510	1511325	---	---	---	1,10	down
6484276	7371001	1798862	---	---	---	1,40	up
6484373	7227474	1441161	---	---	---	1,28	down
6484504	7052813	1015884	---	---	---	1,26	down
6484774	7253088	1505121	---	---	---	1,44	up
6484813	7255911	1512225	---	---	---	1,81	up
6484950	7264085	1532719	---	---	---	1,53	down
6484996	7137646	1220437	---	---	---	1,66	down

6484998	7194400	1361700	---	---	---	1,04	up
6485013	7235069	1460969	---	---	---	1,33	up
6485061	7238115	1468570	---	---	---	1,29	down
6485096	7266532	1538302	---	---	---	2,68	up
6485217	7237672	1467305	---	---	---	1,33	down
6485237	7127540	1195276	---	---	---	1,12	down
6485314	7183182	1333562	---	---	---	1,71	down
6485321	7171091	1302459	---	---	---	1,04	down
6485399	7264653	1534048	---	---	---	1,45	up
6485476	7107503	1145801	---	---	---	2,12	down
6485510	7274780	1559201	---	---	---	1,06	up
6485526	7339387	1718374	---	---	---	2,04	up
6485600	7094008	1112617	---	---	---	1,25	down
6485664	7035525	974785	---	---	---	1,05	down
6485686	7081487	1082702	---	---	---	1,16	up
6485767	7113483	1160997	---	---	---	1,36	up
6485846	7107926	1146847	---	---	---	1,05	up
6485850	7373633	1805709	---	---	---	1,07	up
6485855	7312250	1652651	---	---	---	1,16	down
6485860	7236358	1464254	---	---	---	1,50	down
6485874	7372840	1803782	---	---	---	1,20	down
6485887	7306229	1638252	---	---	---	1,46	up
6486071	7098810	1124656	---	---	---	1,25	down
6486125	7059584	1030541	---	---	---	1,05	down
6486249	7231834	1452273	---	---	---	1,20	up
6486261	7243628	1482390	---	---	---	1,04	down
6486271	7355044	1757436	---	---	---	1,17	up
6486338	7361881	1773958	---	---	---	1,54	up
6486367	7341274	1723384	---	---	---	1,36	up
6486478	7321029	1674826	---	---	---	1,32	up
6486524	7099573	1126726	---	---	---	1,06	up
6486716	7341546	1723976	---	---	---	1,53	down
6486781	7244288	1484112	---	---	---	2,38	up
6486834	7126400	1192531	---	---	---	1,40	up
6486917	7264274	1533170	---	---	---	2,46	up
6486923	7095041	1115192	---	---	---	1,47	down
6487033	7366749	1785517	---	---	---	1,03	up
6487036	7177520	1318631	---	---	---	1,16	down
6487131	7374317	1807395	---	---	---	1,20	up
6487172	7068259	1051650	---	---	---	2,80	down
6487202	7277783	1567442	---	---	---	1,74	up
6487320	7307473	1641303	---	---	---	1,15	down
6487322	7196029	1365619	---	---	---	1,36	down
6487430	7032558	967059	---	---	---	1,07	down
6487500	7264274	1533169	---	---	---	1,98	up
6487555	7034356	972173	---	---	---	1,25	down
6487732	7079600	1078634	---	---	---	1,08	up
6487843	7350993	1747554	---	---	---	1,20	down
6487898	7341038	1722639	---	---	---	1,15	down
6488004	7196029	1365605	---	---	---	1,38	down
6488060	7059766	1030972	---	---	---	1,29	up
6488070	7295652	1610295	---	---	---	1,09	down
6488094	7073677	1065168	---	---	---	1,10	down
6488141	7198087	1370713	---	---	---	1,43	up
6488164	7359789	1769164	---	---	---	1,14	down
6488520	7272110	1553077	---	---	---	1,08	up
6488539	7034293	971968	---	---	---	1,12	up

6488632	7121849	1181784	---	---	---	1,28	up
6488658	7199341	1374129	---	---	---	1,31	down
6488687	7069721	1055306	---	---	---	1,11	up
6488753	7118234	1172841	---	---	---	1,23	down
6488791	7069142	1053872	---	---	---	1,18	up
6488956	7162102	1280370	---	---	---	1,10	up
6489013	7196029	1365607	---	---	---	1,41	up
6489027	7240569	1475518	---	---	---	1,07	up
6489087	7374324	1807512	---	---	---	1,26	down
6489090	7288170	1592288	---	---	---	1,26	down
6489098	7064134	1041427	---	---	---	1,14	up
6489113	7236358	1464222	---	---	---	1,00	up
6489198	7059309	1029925	---	---	---	1,01	down
6489275	7213908	1407690	---	---	---	1,15	up
6489314	7050716	1011222	---	---	---	1,03	down
6489547	7212141	1403602	---	---	---	1,26	up
6489559	7326271	1686466	---	---	---	1,23	up
6489564	7307473	1641265	---	---	---	1,25	down
6489584	7260553	1524113	---	---	---	1,58	up
6489644	7276650	1564148	---	---	---	1,03	up
6489661	7239303	1471967	---	---	---	2,19	down
6489748	7272110	1553077	---	---	---	1,11	down
6489785	7208847	1396341	---	---	---	1,13	up
6489962	7308679	1644241	---	---	---	2,00	up
6489998	7281877	1577532	---	---	---	1,19	up
6490086	7041486	989219	---	---	---	1,31	up
6490221	7259221	1520629	---	---	---	1,64	down
6490297	7279793	1572538	---	---	---	1,16	up
6490399	7162177	1280575	---	---	---	1,09	down
6490409	7133749	1210808	---	---	---	1,22	down
6490474	7240852	1476252	---	---	---	1,12	up
6490586	7346066	1735309	---	---	---	1,21	up
6490675	7326245	1686403	---	---	---	1,38	up
6490708	7033337	969519	---	---	---	1,21	up
6490848	7310851	1649634	---	---	---	1,02	down
6490898	7337425	1713200	---	---	---	1,28	up
6490907	7067828	1050794	---	---	---	1,06	up
6490940	7078666	1076506	---	---	---	1,07	down
6490943	7038179	981265	---	---	---	1,29	down
6490979	7034747	973193	---	---	---	1,02	up
6490996	7293234	1604333	---	---	---	2,09	down
6491090	7371228	1799472	---	---	---	1,00	down
6491134	7377583	1815456	---	---	---	1,32	down
6491153	7279568	1572014	---	---	---	1,11	down
6491198	7042382	991287	---	---	---	1,20	up
6491209	7041584	989459	---	---	---	1,47	down
6491237	7147791	1245416	---	---	---	1,39	down
6491302	7264274	1533166	---	---	---	1,08	up
6491367	7098810	1124657	---	---	---	1,08	up
6491409	7358859	1767001	---	---	---	1,16	up
6491431	7168521	1295888	---	---	---	1,13	up
6491482	7295652	1610290	---	---	---	1,54	down
6491490	7370412	1796832	---	---	---	1,42	up
6491640	7329846	1694999	---	---	---	1,19	up
6491660	7276650	1564150	---	---	---	1,03	down
6491742	7080563	1080721	---	---	---	1,20	down
6491778	7236358	1464222	---	---	---	1,01	down

6491877	7238826	1470532	---	---	---	1,78	down
6491879	7140834	1227967	---	---	---	1,46	up
6491929	7087965	1098060	---	---	---	1,21	down
6491948	7031774	964761	---	---	---	1,62	down
6491962	7353284	1752982	---	---	---	1,55	down
6492070	7198002	1370413	---	---	---	2,15	up
6492090	7043379	993631	---	---	---	1,19	down
6492149	7037235	978573	---	---	---	1,11	down
6492201	7084193	1089061	---	---	---	1,62	up
6492276	7369141	1793318	---	---	---	1,21	down
6492319	7193056	1358264	---	---	---	1,19	up
6492328	7109730	1151719	---	---	---	1,07	up
6492342	7248790	1494516	---	---	---	1,13	up
6492344	7056736	1024422	---	---	---	1,39	down
6492348	7144389	1236780	---	---	---	1,71	down
6492449	7244027	1483294	---	---	---	1,07	up
6492453	7239752	1473156	---	---	---	1,13	up
6492490	7041609	989565	---	---	---	1,07	down
6492640	7380878	1822551	---	---	---	1,06	down
6492698	7205750	1388930	---	---	---	1,14	down
6492838	7081487	1082713	---	---	---	1,23	up
6492839	7209927	1398922	---	---	---	1,04	down
6492859	7079475	1078293	---	---	---	1,07	up
6492896	7083030	1086245	---	---	---	1,04	down
6492946	7121849	1181783	---	---	---	1,11	up
6492953	7326245	1686401	---	---	---	1,21	down
6492979	7377304	1814599	---	---	---	1,14	down
6493008	7146245	1241349	---	---	---	1,64	up
6493025	7252877	1504703	---	---	---	1,11	down
6493256	7364346	1779984	---	---	---	1,29	up
6493378	7267802	1541742	---	---	---	1,07	up
6493414	7295652	1610279	---	---	---	1,00	down
6493466	7088538	1099635	---	---	---	1,88	down
6493473	7252877	1504689	---	---	---	1,35	down
6493508	7385253	1832225	---	---	---	1,12	up
6493543	7301843	1626487	---	---	---	1,04	up
6493546	7112566	1158626	---	---	---	1,23	down
6493560	7305275	1635829	---	---	---	1,23	down
6493594	7050167	1009819	---	---	---	1,02	down
6493633	7045955	1000757	---	---	---	4,36	down
6493781	7363147	1776999	---	---	---	1,05	down
6493843	7040442	986537	---	---	---	1,33	down
6493973	7028624	958001	---	---	---	1,11	up
6494089	7076099	1070661	---	---	---	2,42	up
6494118	7078666	1076515	---	---	---	1,25	up
6494154	7064732	1042918	---	---	---	1,06	down
6494225	7208436	1395346	---	---	---	1,00	down
6494291	7212718	1404949	---	---	---	1,64	up
6494349	7252728	1504338	---	---	---	1,19	down
6494460	7109730	1151713	---	---	---	1,25	up
6494504	7144782	1237783	---	---	---	2,13	down
6494510	7378637	1817829	---	---	---	1,62	down
6494519	7198730	1372640	---	---	---	1,11	down
6494532	7264797	1534422	---	---	---	1,01	up
6494541	7240569	1475472	---	---	---	1,06	down
6494664	7309738	1646957	---	---	---	1,31	up
6494686	7278597	1569641	---	---	---	2,01	up

6494697	7350922	1747316	---	---	---	1,01	up
6494816	7333462	1703648	---	---	---	1,27	down
6494888	7121849	1181791	---	---	---	1,13	down
6494908	7252339	1503334	---	---	---	1,23	up
6494956	7376073	1811721	---	---	---	1,02	up
6495008	7078666	1076521	---	---	---	1,10	up
6495026	7174281	1310843	---	---	---	1,23	up
6495061	7172691	1306448	---	---	---	1,33	down
6495158	7052813	1015936	---	---	---	1,43	down
6495166	7228520	1443766	---	---	---	1,45	down
6495217	7079475	1078294	---	---	---	1,14	up
6495263	7341546	1723952	---	---	---	1,05	down
6495304	7120827	1179300	---	---	---	1,13	down
6495436	7059971	1031470	---	---	---	2,08	up
6495520	7280743	1574485	---	---	---	1,02	up
6495613	7258455	1518721	---	---	---	1,07	down
6495783	7330731	1697208	---	---	---	1,51	down
6495895	7238414	1469570	---	---	---	1,10	up
6495947	7167700	1293611	---	---	---	1,73	down
6495960	7087965	1098045	---	---	---	1,09	up
6495971	7320998	1674711	---	---	---	1,79	down
6496063	7069253	1054158	---	---	---	1,57	down
6496265	7243363	1481627	---	---	---	1,30	down
6496305	7079326	1077973	---	---	---	1,23	down
6496320	7127801	1195863	---	---	---	1,50	up
6496446	7100408	1128642	---	---	---	2,09	down
6496451	7186464	1341356	---	---	---	1,32	up
6496540	7369521	1794256	---	---	---	1,49	down
6496562	7257976	1517705	---	---	---	1,07	down
6496758	7295410	1609698	---	---	---	1,34	up
6496812	7243363	1481603	---	---	---	1,02	down
6496834	7330731	1697163	---	---	---	1,48	down
6496835	7319151	1670111	---	---	---	1,79	down
6497126	7191594	1354223	---	---	---	2,06	up
6497147	7200152	1376053	---	---	---	2,14	up
6497229	7028278	957313	---	---	---	1,32	down
6497255	7122140	1182713	---	---	---	1,03	up
6497347	7240569	1475501	---	---	---	1,16	down
6497375	7369712	1794832	---	---	---	1,49	up
6497376	7130889	1203864	---	---	---	2,02	down
6497378	7114274	1162813	---	---	---	1,01	up
6497538	7193056	1358289	---	---	---	1,34	up
6497796	7096924	1119612	---	---	---	1,77	down
6497879	7340757	1721904	---	---	---	1,09	down
6497921	7029770	960156	---	---	---	1,07	up
6498098	7146982	1243281	---	---	---	1,32	down
6498102	7168979	1297189	---	---	---	1,23	up
6498243	7235840	1463001	---	---	---	1,04	down
6498292	7120550	1178699	---	---	---	1,43	down
6498361	7193916	1360447	---	---	---	2,04	down
6498363	7086672	1094340	---	---	---	1,06	down
6498476	7235069	1460992	---	---	---	1,23	up
6498513	7355138	1757854	---	---	---	1,02	down
6498516	7364346	1780000	---	---	---	1,26	up
6498520	7063716	1040126	---	---	---	1,05	up
6498630	7244027	1483282	---	---	---	1,01	down
6498639	7280743	1574570	---	---	---	1,02	up

6498716	7142416	1231799	---	---	---	1,28	up
6498744	7156052	1265764	---	---	---	1,16	up
6498776	7260553	1524109	---	---	---	1,16	down
6498813	7177428	1318395	---	---	---	1,06	up
6498826	7274780	1559235	---	---	---	1,06	down
6498831	7148978	1248486	---	---	---	1,23	down
6498911	7069253	1054157	---	---	---	1,22	up
6498948	7302018	1626995	---	---	---	1,38	up
6499105	7212698	1404863	---	---	---	1,11	up
6499109	7376073	1811695	---	---	---	1,11	down
6499186	7239303	1471937	---	---	---	1,02	up
6499218	7286807	1588824	---	---	---	1,32	down
6499315	7222236	1428113	---	---	---	1,09	up
6499325	7068942	1053377	---	---	---	1,04	down
6499338	7298692	1618409	---	---	---	1,39	up
6499572	7093752	1111997	---	---	---	1,09	down
6499685	7065860	1045804	---	---	---	1,54	down
6499730	7062233	1037224	---	---	---	1,53	up
6499819	7089080	1101151	---	---	---	1,01	up
6499958	7329846	1694995	---	---	---	1,96	down
6500000	7235393	1461717	---	---	---	4,83	down
6500148	7247334	1490820	---	---	---	1,29	up
6500175	7297274	1614658	---	---	---	1,27	up
6500261	7075460	1069397	---	---	---	1,20	up
6500528	7064468	1042367	---	---	---	1,23	down
6500556	7277719	1567090	---	---	---	1,08	up
6500564	7330314	1696145	---	---	---	1,02	down
6500582	7207069	1392035	---	---	---	1,03	down
6500630	7374324	1807494	---	---	---	1,06	up
6500690	7078666	1076517	---	---	---	1,37	up
6500763	7367994	1789235	---	---	---	1,05	down
6500808	7328695	1692304	---	---	---	1,78	up
6500853	7195680	1364896	---	---	---	1,02	up
6500869	7059020	1029344	---	---	---	1,42	up
6500892	7268694	1544245	---	---	---	1,15	up
6500897	7149008	1248598	---	---	---	1,76	up
6500905	7032204	966146	---	---	---	1,73	up
6501015	7363529	1777934	---	---	---	1,01	down
6501122	7256070	1512596	---	---	---	1,70	up
6501186	7071659	1060221	---	---	---	1,05	up
6501188	7093806	1112150	---	---	---	2,72	down
6501238	7031774	964784	---	---	---	1,45	down
6501278	7318651	1669091	---	---	---	1,28	up
6501329	7344702	1732140	---	---	---	1,55	down
6501349	7068259	1051658	---	---	---	1,16	down
6501409	7363529	1777933	---	---	---	1,00	down
6501465	7262570	1528988	---	---	---	1,01	up
6501605	7237672	1467303	---	---	---	1,40	down
6501607	7309734	1646874	---	---	---	1,79	down
6501773	7277783	1567477	---	---	---	1,47	down
6501951	7308679	1644250	---	---	---	1,01	up
6501971	7189184	1347597	---	---	---	1,32	down
6501984	7344702	1732141	---	---	---	1,40	down
6502055	7142917	1233173	---	---	---	1,46	up
6502104	7339387	1718394	---	---	---	1,42	up
6502205	7142917	1233173	---	---	---	1,55	down
6502266	7361881	1773940	---	---	---	1,03	down

6502269	7219304	1421272	---	---	---	1,08	down
6502297	7148978	1248462	---	---	---	1,30	up
6502375	7219885	1422779	---	---	---	1,54	down
6502474	7033616	970207	---	---	---	1,01	down
6502514	7318286	1668328	---	---	---	1,11	up
6502516	7132024	1206337	---	---	---	1,15	down
6502630	7352635	1751444	---	---	---	1,03	down
6502671	7030454	961549	---	---	---	1,44	down
6502770	7337224	1712607	---	---	---	1,50	up
6502817	7275927	1562337	---	---	---	1,26	up
6502822	7235794	1462889	---	---	---	1,07	up
6502931	7343250	1728037	---	---	---	1,26	down
6502958	7031774	964735	---	---	---	1,85	up
6502971	7058507	1028303	---	---	---	1,21	down
6502986	7356115	1760124	---	---	---	1,05	up
6503153	7123421	1185828	---	---	---	1,53	down
6503275	7374317	1807405	---	---	---	1,05	up
6503321	7039728	984845	---	---	---	2,57	down
6503503	7211363	1402041	---	---	---	1,44	up
6503613	7073854	1065629	---	---	---	1,13	down
6503688	7117813	1171722	---	---	---	1,18	up
6503691	7377116	1814067	---	---	---	1,40	up
6503734	7176275	1315349	---	---	---	1,09	down
6503794	7255687	1511771	---	---	---	1,28	down
6503839	7038530	981884	---	---	---	1,68	down
6503882	7355044	1757442	---	---	---	1,15	up
6503915	7214605	1409365	---	---	---	1,44	down
6503919	7165644	1288028	---	---	---	1,31	up
6503943	7158419	1271380	---	---	---	1,21	up
6503970	7383102	1827379	---	---	---	1,06	down
6504047	7308679	1644238	---	---	---	1,49	up
6504056	7186688	1341840	---	---	---	1,39	down
6504100	7217434	1416414	---	---	---	1,19	up
6504137	7330731	1697172	---	---	---	1,22	up
6504221	7289075	1594476	---	---	---	1,31	down
6504306	7261580	1526807	---	---	---	2,20	up
6504310	7281577	1576877	---	---	---	1,01	down
6504315	7052813	1015929	---	---	---	1,43	up
6504343	7235069	1460994	---	---	---	1,08	up
6504361	7079600	1078632	---	---	---	1,18	down
6504384	7069464	1054656	---	---	---	1,66	down
6504398	7040442	986543	---	---	---	1,69	down
6504440	7320998	1674733	---	---	---	1,04	down
6504598	7273744	1557006	---	---	---	1,09	down
6504607	7095021	1115129	---	---	---	1,39	up
6504713	7377116	1814070	---	---	---	1,22	up
6504715	7168979	1297181	---	---	---	1,36	down
6504743	7041061	988079	---	---	---	1,34	up
6504752	7286807	1588797	---	---	---	1,11	down
6504966	7127257	1194806	---	---	---	1,49	up
6504987	7277719	1567081	---	---	---	2,27	up
6505004	7076099	1070649	---	---	---	1,18	up
6505010	7198210	1370969	---	---	---	1,06	down
6505032	7294911	1608531	---	---	---	1,50	up
6505034	7341002	1722547	---	---	---	1,51	up
6505135	7339379	1718338	---	---	---	1,13	down
6505250	7091900	1107629	---	---	---	1,61	up

6505314	7128704	1198029	---	---	---	1,05	up
6505557	7097240	1120368	---	---	---	2,72	down
6505622	7339834	1719557	---	---	---	1,17	up
6505651	7058507	1028300	---	---	---	1,14	up
6505706	7076236	1071194	---	---	---	1,39	up
6505815	7059020	1029330	---	---	---	1,49	down
6505823	7102113	1132787	---	---	---	1,15	up
6505889	7363674	1778429	---	---	---	1,18	up
6505908	7196029	1365608	---	---	---	1,12	down
6505911	7365183	1781940	---	---	---	1,55	up
6505999	7029078	958879	---	---	---	1,46	up
6506031	7028278	957315	---	---	---	1,72	up
6506168	7258455	1518731	---	---	---	1,29	up
6506174	7180151	1325202	---	---	---	1,06	down
6506259	7302327	1627674	---	---	---	1,04	down
6506443	7123853	1186753	---	---	---	3,00	down
6506446	7295410	1609772	---	---	---	1,07	up
6506499	7281577	1576886	---	---	---	1,19	down
6506542	7281577	1576868	---	---	---	1,11	down
6506598	7095041	1115189	---	---	---	1,16	down
6506608	7032558	967066	---	---	---	1,21	down
6506666	7325643	1685178	---	---	---	1,54	up
6506672	7381352	1823742	---	---	---	1,13	down
6506673	7320735	1674186	---	---	---	1,29	down
6506919	7098810	1124658	---	---	---	1,29	down
6506979	7186240	1340837	---	---	---	2,39	down
6507076	7146093	1240975	---	---	---	1,33	down
6507248	7092549	1109164	---	---	---	1,10	up
6507418	7031774	964706	---	---	---	1,21	up
6507423	7328985	1693166	---	---	---	1,53	down
6507477	7367959	1789075	---	---	---	1,20	down
6507508	7133484	1209947	---	---	---	1,02	up
6507591	7078666	1076505	---	---	---	1,25	up
6507644	7087500	1096729	---	---	---	1,23	down
6507754	7108556	1148717	---	---	---	1,02	down
6507774	7340990	1722501	---	---	---	1,72	down
6507778	7383823	1828943	---	---	---	1,34	down
6507873	7333333	1703387	---	---	---	1,02	down
6507913	7028624	957997	---	---	---	1,08	down
6507946	7320735	1674174	---	---	---	1,24	up
6507977	7097485	1120935	---	---	---	1,43	down
6508097	7220292	1423773	---	---	---	1,53	up
6508121	7031774	964771	---	---	---	1,01	down
6508214	7237711	1467423	---	---	---	1,31	down
6508225	7292869	1603423	---	---	---	1,12	down
6508278	7233106	1455668	---	---	---	1,72	up
6508393	7355044	1757421	---	---	---	1,88	down
6508498	7041609	989581	---	---	---	1,26	up
6508527	7200996	1378167	---	---	---	3,75	up
6508586	7130917	1203929	---	---	---	1,28	up
6508594	7335637	1708473	---	---	---	1,10	up
6508601	7274780	1559222	---	---	---	1,80	up
6508630	7070668	1057974	---	---	---	1,39	up
6508756	7176409	1315676	---	---	---	1,31	down
6508765	7252877	1504743	---	---	---	1,15	down
6508915	7062233	1037207	---	---	---	1,05	up
6508940	7064468	1042377	---	---	---	1,25	down

6508946	7040442	986507	---	---	---	1,48	up
6509077	7146872	1242910	---	---	---	1,86	up
6509239	7295652	1610287	---	---	---	1,01	down
6509241	7115362	1165598	---	---	---	1,20	up
6509275	7072225	1061400	---	---	---	1,16	up
6509290	7031618	964198	---	---	---	1,16	up
6509298	7258455	1518719	---	---	---	1,03	down
6509332	7227474	1441165	---	---	---	1,40	down
6509343	7350993	1747538	---	---	---	1,16	up
6509370	7376073	1811699	---	---	---	1,19	up
6509593	7132125	1206621	---	---	---	1,44	down
6509634	7180943	1327442	---	---	---	1,02	down
6509706	7148741	1247846	---	---	---	1,19	down
6509717	7176368	1315596	---	---	---	1,14	up
6509859	7355138	1757854	---	---	---	1,13	down
6510014	7102708	1134317	---	---	---	1,05	down
6510060	7305275	1635822	---	---	---	1,27	down
6510098	7121849	1181792	---	---	---	1,06	down
6510135	7358788	1766853	---	---	---	1,99	down
6510297	7033337	969501	---	---	---	1,63	up
6510486	7282831	1579771	---	---	---	1,36	up
6510634	7342356	1725894	---	---	---	2,04	up
6510722	7151063	1253066	---	---	---	1,12	up
6510773	7225543	1435931	---	---	---	1,60	up
6510884	7221019	1425327	---	---	---	7,42	up
6510918	7353232	1752803	---	---	---	1,71	up
6510974	7248790	1494505	---	---	---	1,32	down
6511006	7042382	991289	---	---	---	1,18	down
6511163	7378997	1818652	---	---	---	1,13	down
6511247	7065860	1045801	---	---	---	1,90	down
6511256	7029770	960155	---	---	---	2,83	up
6511308	7030087	960787	---	---	---	1,21	up
6511313	7253215	1505383	---	---	---	1,06	down
6511347	7059766	1030973	---	---	---	1,40	up
6511377	7100523	1128846	---	---	---	1,05	up
6511386	7239752	1473192	---	---	---	1,21	down
6511410	7310851	1649631	---	---	---	1,51	down
6511424	7302327	1627671	---	---	---	1,14	down
6511451	7356115	1760131	---	---	---	1,10	down
6511513	7101206	1130459	---	---	---	1,09	up
6511532	7098810	1124655	---	---	---	1,17	up
6511588	7198210	1370962	---	---	---	1,04	up
6511649	7344406	1731201	---	---	---	1,00	down
6511675	7277719	1567080	---	---	---	1,08	down
6511772	7279568	1572002	---	---	---	1,13	up
6511781	7340757	1721884	---	---	---	1,36	down
6511814	7073569	1064738	---	---	---	3,06	up
6511969	7093936	1112481	---	---	---	1,17	up
6512033	7127540	1195287	---	---	---	1,16	up
6512080	7068942	1053390	---	---	---	1,36	down
6512371	7106752	1144028	---	---	---	1,50	down
6512447	7050167	1009828	---	---	---	1,10	up
6512518	7312575	1653354	---	---	---	1,06	down
6512635	7328833	1692804	---	---	---	1,39	down
6512682	7376820	1813429	---	---	---	1,52	up
6512751	7155286	1263891	---	---	---	1,27	up
6512756	7289075	1594467	---	---	---	1,13	down

6512776	7366749	1785479	---	---	---	1,64	up
6512780	7237814	1467842	---	---	---	1,19	up
6512920	7359453	1768448	---	---	---	2,00	down
6512930	7075445	1069349	---	---	---	1,04	up
6512988	7374313	1807370	---	---	---	1,11	down
6513106	7363576	1778169	---	---	---	2,09	up
6513196	7056333	1023678	---	---	---	1,20	up
6513198	7279303	1571201	---	---	---	1,60	down
6513246	7330731	1697180	---	---	---	1,03	down
6513335	7261580	1526808	---	---	---	1,19	down
6513377	7165954	1288770	---	---	---	1,36	down
6513398	7295410	1609794	---	---	---	1,12	down
6513402	7177520	1318622	---	---	---	1,00	up
6513407	7112606	1158780	---	---	---	1,12	down
6513791	7062436	1037660	---	---	---	1,03	down
6513819	7238153	1468830	---	---	---	1,00	up
6513858	7243628	1482385	---	---	---	1,34	up
6514037	7268357	1543400	---	---	---	1,17	up
6514079	7200545	1376898	---	---	---	1,41	down
6514105	7303191	1629957	---	---	---	1,43	down
6514163	7042382	991289	---	---	---	1,35	up
6514172	7093296	1110951	---	---	---	1,05	up
6514177	7121849	1181818	---	---	---	1,11	down
6514184	7058507	1028298	---	---	---	1,23	up
6514210	7259221	1520618	---	---	---	1,31	up
6514212	7239774	1473319	---	---	---	1,30	up
6514280	7213908	1407711	---	---	---	1,16	down
6514391	7346687	1736695	---	---	---	1,00	down
6514458	7258784	1519671	---	---	---	1,21	down
6514572	7059766	1030980	---	---	---	1,42	up
6514642	7086522	1093956	---	---	---	3,18	down
6514667	7247976	1492430	---	---	---	1,20	down
6514695	7180804	1327005	---	---	---	1,19	down
6514892	7376566	1812869	---	---	---	1,60	up
6514917	7217747	1417481	---	---	---	1,28	up
6514961	7278010	1568048	---	---	---	1,17	down
6514996	7243901	1483051	---	---	---	1,42	down
6515005	7358859	1766960	---	---	---	1,50	up
6515030	7217434	1416437	---	---	---	1,04	up
6515073	7320998	1674711	---	---	---	1,39	down
6515199	7061003	1033923	---	---	---	1,07	down
6515205	7326271	1686526	---	---	---	1,17	down
6515222	7264808	1534465	---	---	---	1,03	down
6515250	7148978	1248467	---	---	---	1,02	up
6515284	7068413	1051951	---	---	---	1,03	up
6515291	7288077	1591983	---	---	---	1,14	up
6515345	7049184	1007926	---	---	---	2,01	up
6515390	7359426	1768370	---	---	---	2,25	down
6515646	7110401	1153078	---	---	---	1,04	up
6515678	7319055	1669946	---	---	---	2,62	down
6515822	7176275	1315353	---	---	---	1,06	up
6515930	7171091	1302453	---	---	---	1,11	down
6516055	7371539	1800302	---	---	---	1,27	down
6516078	7259221	1520614	---	---	---	1,25	up
6516113	7031618	964199	---	---	---	1,09	up
6516151	7162144	1280519	---	---	---	1,77	up
6516210	7378546	1817602	---	---	---	1,21	down

6516235	7116103	1167606	---	---	---	1,11	up
6516257	7319486	1670927	---	---	---	1,20	down
6516298	7377791	1815994	---	---	---	1,34	up
6516455	7120010	1177382	---	---	---	1,12	up
6516472	7267802	1541832	---	---	---	1,08	up
6516570	7372840	1803754	---	---	---	1,05	up
6516589	7243647	1482436	---	---	---	1,26	up
6516645	7140365	1226768	---	---	---	1,48	up
6516688	7237672	1467296	---	---	---	1,16	down
6516719	7256789	1514642	---	---	---	1,49	down
6516730	7365147	1781781	---	---	---	1,34	up
6516821	7299650	1620957	---	---	---	1,28	down
6516863	7365183	1781908	---	---	---	1,06	up
6516894	7364346	1779970	---	---	---	1,16	down
6516912	7198087	1370690	---	---	---	1,30	down
6516968	7374493	1807958	---	---	---	1,16	up
6517071	7066035	1046220	---	---	---	1,20	up
6517111	7112355	1158063	---	---	---	1,11	down
6517127	7327169	1688466	---	---	---	1,07	down
6517129	7292517	1602550	---	---	---	1,06	up
6517196	7252877	1504745	---	---	---	1,35	down
6517203	7086966	1095243	---	---	---	1,08	up
6517244	7228520	1443760	---	---	---	1,36	up
6517264	7356619	1761348	---	---	---	2,28	up
6517320	7050716	1011221	---	---	---	1,60	down
6517351	7198644	1372351	---	---	---	1,26	down
6517394	7363529	1777927	---	---	---	1,02	down
6517405	7239939	1473783	---	---	---	1,32	down
6517473	7321414	1675638	---	---	---	1,40	down
6517495	7075445	1069355	---	---	---	1,21	down
6517523	7360486	1771025	---	---	---	1,03	down
6517761	7033504	969863	---	---	---	2,11	up
6517859	7295410	1609780	---	---	---	1,95	down
6517994	7200313	1376454	---	---	---	1,04	down
6518039	7207292	1392633	---	---	---	1,14	up
6518053	7101258	1130564	---	---	---	2,20	down
6518094	7285239	1585482	---	---	---	1,35	down
6518169	7363768	1778603	---	---	---	2,36	down
6518310	7029119	958983	---	---	---	1,64	up
6518331	7233012	1455424	---	---	---	1,10	up
6518351	7069253	1054161	---	---	---	1,25	down
6518375	7261668	1526981	---	---	---	2,14	up
6518451	7099294	1126105	---	---	---	1,06	up
6518456	7170764	1301434	---	---	---	1,10	up
6518538	7288095	1592077	---	---	---	2,41	down
6518663	7303191	1629961	---	---	---	1,15	down
6518683	7127257	1194812	---	---	---	1,30	down
6518779	7186688	1341842	---	---	---	1,11	up
6518972	7295652	1610284	---	---	---	1,24	down
6518976	7213908	1407692	---	---	---	2,16	up
6518978	7190524	1351184	---	---	---	1,02	down
6519030	7305275	1635838	---	---	---	1,01	down
6519126	7181286	1328498	---	---	---	1,25	down
6519140	7281577	1576884	---	---	---	1,24	up
6519282	7149934	1250518	---	---	---	1,29	up
6519418	7073609	1064861	---	---	---	1,07	down
6519476	7302787	1628886	---	---	---	1,05	down

6519486	7353287	1753005	---	---	---	1,54	up
6519494	7264274	1533174	---	---	---	1,86	down
6519495	7355138	1757744	---	---	---	1,05	up
6519518	7166439	1290093	---	---	---	1,22	down
6519563	7139708	1225057	---	---	---	1,11	up
6519666	7070511	1057479	---	---	---	1,04	down
6519669	7258323	1518474	---	---	---	5,63	down
6519796	7276650	1564133	---	---	---	1,22	up
6519809	7374324	1807522	---	---	---	1,07	down
6519965	7033337	969482	---	---	---	1,25	down
6520058	7031774	964650	---	---	---	1,27	down
6520062	7213228	1405990	---	---	---	1,02	down
6520139	7181193	1328294	---	---	---	1,17	up
6520150	7303777	1631915	---	---	---	1,21	up
6520220	7125160	1189586	---	---	---	1,25	down
6520312	7169573	1298391	---	---	---	1,33	down
6520329	7139026	1223503	---	---	---	1,01	down
6520471	7132024	1206341	---	---	---	1,73	down
6520477	7374493	1807970	---	---	---	1,46	up
6520512	7225543	1435924	---	---	---	1,03	down
6520596	7339834	1719550	---	---	---	1,64	up
6520606	7297589	1615687	---	---	---	1,17	down
6520679	7198087	1370638	---	---	---	1,51	up
6520842	7368005	1789343	---	---	---	1,17	down
6520850	7079635	1078694	---	---	---	1,03	down
6520862	7258455	1518740	---	---	---	1,04	down
6520941	7142081	1230961	---	---	---	5,53	up
6520974	7156372	1266707	---	---	---	1,15	up
6520995	7312161	1652461	---	---	---	1,63	up
6521015	7088544	1099704	---	---	---	1,11	down
6521036	7096924	1119604	---	---	---	1,87	down
6521054	7231653	1451877	---	---	---	1,56	down
6521085	7264797	1534423	---	---	---	1,00	up
6521091	7365183	1781913	---	---	---	2,60	up
6521126	7384073	1829473	---	---	---	1,33	down
6521135	7059766	1030982	---	---	---	1,03	up
6521154	7376073	1811705	---	---	---	1,37	up
6521198	7336931	1711872	---	---	---	1,08	down
6521308	7377583	1815453	---	---	---	1,59	up
6521508	7303777	1631916	---	---	---	1,00	up
6521520	7353287	1753021	---	---	---	1,25	down
6521542	7326271	1686524	---	---	---	1,10	down
6521558	7193513	1359449	---	---	---	2,21	down
6521585	7085063	1090804	---	---	---	1,12	up
6521592	7138335	1221895	---	---	---	1,08	down
6521705	7280743	1574498	---	---	---	1,19	up
6521749	7076160	1070908	---	---	---	1,08	up
6521757	7096461	1118277	---	---	---	1,11	up
6521883	7317204	1665376	---	---	---	1,49	down
6521950	7276650	1564110	---	---	---	1,37	down
6522031	7140365	1226799	---	---	---	1,49	down
6522053	7088544	1099701	---	---	---	1,44	down
6522144	7244027	1483287	---	---	---	1,06	up
6522193	7091954	1107703	---	---	---	1,20	up
6522255	7095021	1115131	---	---	---	1,11	up
6522300	7121849	1181772	---	---	---	1,04	down
6522342	7185355	1338695	---	---	---	1,26	up

6522442	7318714	1669240	---	---	---	1,14	down
6522470	7176456	1315834	---	---	---	1,03	down
6522585	7136062	1216294	---	---	---	1,03	up
6522602	7092549	1109121	---	---	---	2,52	up
6522610	7295652	1610314	---	---	---	1,03	down
6522614	7097454	1120875	---	---	---	1,25	down
6522659	7152781	1257155	---	---	---	1,47	up
6522803	7363529	1777952	---	---	---	1,00	up
6522857	7298692	1618407	---	---	---	1,12	down
6522917	7175946	1314633	---	---	---	1,01	up
6522965	7088538	1099632	---	---	---	1,28	down
6523002	7314270	1657722	---	---	---	1,45	down
6523051	7376566	1812868	---	---	---	2,02	down
6523200	7174114	1310421	---	---	---	1,56	up
6523215	7034293	971994	---	---	---	1,90	up
6523261	7087282	1096171	---	---	---	1,13	down
6523284	7111427	1155764	---	---	---	1,61	down
6523373	7268357	1543392	---	---	---	1,01	down
6523506	7368004	1789333	---	---	---	1,03	down
6523509	7068259	1051613	---	---	---	1,28	down
6523633	7027350	954944	---	---	---	1,02	down
6523642	7031774	964735	---	---	---	1,29	down
6523730	7069253	1054152	---	---	---	1,22	up
6523739	7193056	1358275	---	---	---	1,29	up
6523780	7136062	1216295	---	---	---	1,08	up
6523871	7188829	1346655	---	---	---	1,28	up
6523935	7340990	1722507	---	---	---	1,40	down
6523998	7264274	1533172	---	---	---	1,09	down
6524153	7049689	1008873	---	---	---	1,23	down
6524183	7113483	1161009	---	---	---	1,96	up
6524231	7317708	1666829	---	---	---	1,38	down
6524391	7095960	1117065	---	---	---	2,35	up
6524432	7363529	1777906	---	---	---	1,26	down
6524452	7281924	1577727	---	---	---	1,10	down
6524465	7153136	1258009	---	---	---	1,16	up
6524486	7082098	1084112	---	---	---	1,01	up
6524549	7236358	1464221	---	---	---	1,34	up
6524561	7254040	1507613	---	---	---	1,18	up
6524589	7350922	1747316	---	---	---	1,77	down
6524615	7207093	1392161	---	---	---	1,00	up
6524693	7177428	1318393	---	---	---	1,38	up
6524746	7057277	1025525	---	---	---	1,18	down
6524791	7068259	1051643	---	---	---	1,37	down
6524875	7282831	1579771	---	---	---	1,14	up
6524932	7367990	1789220	---	---	---	1,57	down
6524948	7105066	1140342	---	---	---	1,33	up
6524952	7072608	1062297	---	---	---	1,01	up
6524965	7337224	1712621	---	---	---	1,38	down
6525098	7094139	1112921	---	---	---	1,09	up
6525171	7346687	1736695	---	---	---	1,29	up
6525202	7041140	988269	---	---	---	1,92	down
6525217	7080476	1080403	---	---	---	1,01	down
6525415	7146093	1240914	---	---	---	1,11	up
6525439	7337425	1713184	---	---	---	1,20	up
6525445	7267953	1542265	---	---	---	1,87	up
6525457	7369521	1794256	---	---	---	1,38	up
6525511	7072765	1062750	---	---	---	1,43	down

6525522	7281924	1577707	---	---	---	1,06	up
6525598	7231834	1452268	---	---	---	1,08	down
6525609	7068259	1051593	---	---	---	1,50	up
6525661	7151519	1254299	---	---	---	1,04	up
6525879	7031774	964769	---	---	---	1,92	down
6525890	7339379	1718315	---	---	---	1,05	up
6525972	7041609	989571	---	---	---	1,00	up
6525981	7344406	1731221	---	---	---	1,02	up
6525996	7374493	1807963	---	---	---	1,09	up
6526007	7363529	1777939	---	---	---	1,01	up
6526071	7170764	1301470	---	---	---	1,40	down
6526096	7340304	1720863	---	---	---	1,64	down
6526167	7340990	1722505	---	---	---	1,10	up
6526173	7077170	1073573	---	---	---	2,39	down
6526222	7232069	1452938	---	---	---	1,18	up
6526265	7148741	1247877	---	---	---	1,04	down
6526310	7277759	1567293	---	---	---	1,04	up
6526317	7339379	1718361	---	---	---	1,58	down
6526353	7039532	984430	---	---	---	1,07	up
6526430	7340057	1720326	---	---	---	1,22	up
6526478	7377304	1814578	---	---	---	1,02	down
6526525	7308679	1644238	---	---	---	5,26	down
6526725	7384904	1831602	---	---	---	1,29	down
6526788	7252877	1504784	---	---	---	1,15	up
6526802	7217650	1417188	---	---	---	1,48	up
6526892	7363922	1778870	---	---	---	1,01	up
6526908	7168979	1297190	---	---	---	1,34	up
6526943	7226277	1437982	---	---	---	1,15	down
6527026	7073854	1065635	---	---	---	1,08	up
6527065	7084716	1090118	---	---	---	2,81	down
6527123	7238202	1468950	---	---	---	1,01	down
6527124	7193056	1358254	---	---	---	1,03	up
6527145	7071659	1060232	---	---	---	1,06	down
6527190	7146872	1242900	---	---	---	1,06	up
6527379	7087965	1098033	---	---	---	1,03	up
6527410	7243647	1482462	---	---	---	1,19	down
6527449	7373633	1805703	---	---	---	1,16	down
6527454	7154655	1262319	---	---	---	2,68	up
6527474	7075460	1069384	---	---	---	1,03	up
6527552	7243901	1483048	---	---	---	1,00	up
6527740	7031774	964782	---	---	---	1,17	down
6527755	7247848	1492049	---	---	---	1,71	down
6527843	7115963	1167068	---	---	---	1,04	down
6527907	7367060	1786192	---	---	---	2,09	down
6527976	7068259	1051663	---	---	---	1,27	up
6527982	7286613	1588467	---	---	---	1,26	up
6528008	7217434	1416367	---	---	---	1,20	up
6528029	7184981	1337839	---	---	---	1,39	down
6528136	7138349	1221924	---	---	---	1,08	down
6528209	7344406	1731191	---	---	---	1,17	down
6528229	7374740	1808636	---	---	---	1,05	up
6528231	7322260	1677076	---	---	---	1,42	up
6528329	7168439	1295688	---	---	---	1,04	down
6528333	7094139	1112894	---	---	---	1,15	down
6528391	7198087	1370684	---	---	---	1,36	down
6528398	7106752	1144006	---	---	---	1,71	up
6528400	7374324	1807499	---	---	---	1,13	down

6528507	7180687	1326630	---	---	---	2,08	up
6528512	7247512	1491191	---	---	---	1,24	up
6528614	7337845	1714341	---	---	---	1,15	up
6528690	7033673	970380	---	---	---	1,11	up
6528899	7236358	1464221	---	---	---	1,26	down
6529038	7311391	1650863	---	---	---	1,68	up
6529058	7095021	1115131	---	---	---	1,03	down
6529095	7167700	1293602	---	---	---	1,17	down
6529166	7225543	1435923	---	---	---	1,15	down
6529201	7337224	1712608	---	---	---	1,58	down
6529263	7321414	1675639	---	---	---	1,06	up
6529277	7352044	1750011	---	---	---	1,10	down
6529280	7079475	1078286	---	---	---	1,14	up
6529343	7115362	1165594	---	---	---	1,02	down
6529670	7191866	1354903	---	---	---	2,01	up
6529744	7123421	1185843	---	---	---	1,20	up
6529834	7240224	1474396	---	---	---	1,27	down
6529920	7039725	984818	---	---	---	1,41	down
6529947	7096873	1119374	---	---	---	1,90	down
6529948	7035525	974789	---	---	---	1,13	down
6529969	7179176	1322918	---	---	---	1,01	down
6530104	7070393	1057215	---	---	---	1,15	down
6530206	7132125	1206598	---	---	---	1,10	up
6530277	7049673	1008836	---	---	---	1,38	up
6530355	7065570	1045086	---	---	---	2,24	down
6530391	7331757	1700021	---	---	---	1,65	down
6530466	7292517	1602560	---	---	---	1,08	up
6530493	7260553	1524111	---	---	---	1,17	down
6530520	7381090	1822988	---	---	---	1,54	down
6530533	7378809	1818116	---	---	---	1,52	down
6530682	7069830	1055649	---	---	---	1,08	down
6530711	7253408	1505943	---	---	---	1,07	down
6530712	7062233	1037221	---	---	---	1,13	up
6530722	7374324	1807511	---	---	---	1,21	down
6530822	7320735	1674162	---	---	---	1,08	down
6530868	7167160	1292197	---	---	---	1,67	down
6530957	7139026	1223502	---	---	---	1,05	down
6530990	7210387	1400036	---	---	---	1,23	down
6531027	7039725	984811	---	---	---	1,90	up
6531064	7302327	1627668	---	---	---	1,03	down
6531066	7123129	1185073	---	---	---	1,15	down
6531111	7355044	1757425	---	---	---	1,24	down
6531116	7172691	1306448	---	---	---	1,00	up
6531132	7170764	1301474	---	---	---	1,10	up
6531213	7176275	1315352	---	---	---	1,65	down
6531416	7366749	1785492	---	---	---	1,05	down
6531516	7039108	983340	---	---	---	1,22	down
6531789	7060896	1033548	---	---	---	1,20	up
6531827	7043379	993637	---	---	---	1,68	up
6531861	7058149	1027267	---	---	---	1,03	up
6531893	7320998	1674722	---	---	---	1,13	down
6532004	7339379	1718342	---	---	---	1,32	down
6532117	7058713	1028660	---	---	---	1,02	up
6532271	7147809	1245457	---	---	---	1,02	up
6532306	7300027	1621891	---	---	---	1,07	down
6532346	7052385	1014777	---	---	---	1,04	up
6532361	7041609	989593	---	---	---	1,08	up

6532396	7380497	1821854	---	---	---	1,01	up
6532398	7364346	1780016	---	---	---	1,06	up
6532466	7231775	1452122	---	---	---	1,54	down
6532604	7068259	1051603	---	---	---	1,23	up
6532651	7067828	1050785	---	---	---	1,02	up
6532757	7293922	1605959	---	---	---	1,20	up
6532950	7128704	1198018	---	---	---	1,31	up
6533128	7341038	1722658	---	---	---	1,25	up
6533246	7303777	1631913	---	---	---	1,06	up
6533271	7377791	1816005	---	---	---	1,14	up
6533313	7330238	1695964	---	---	---	1,40	down
6533322	7160846	1277345	---	---	---	1,08	up
6533402	7148741	1247876	---	---	---	1,68	up
6533421	7286807	1588788	---	---	---	1,78	down
6533431	7252283	1503114	---	---	---	1,17	down
6533492	7231484	1451391	---	---	---	1,04	down
6533570	7372840	1803759	---	---	---	1,75	up
6533598	7383102	1827403	---	---	---	1,76	up
6533676	7239939	1473787	---	---	---	1,02	down
6533697	7212698	1404855	---	---	---	2,18	up
6533704	7069464	1054667	---	---	---	1,30	up
6533786	7237814	1467817	---	---	---	1,15	up
6533924	7113085	1159996	---	---	---	1,17	down
6533998	7293922	1605959	---	---	---	1,39	down
6534060	7168521	1295974	---	---	---	1,61	down
6534099	7383823	1828933	---	---	---	1,02	down
6534240	7088489	1099514	---	---	---	1,03	down
6534241	7373038	1804278	---	---	---	1,79	up
6534358	7059020	1029353	---	---	---	1,51	up
6534385	7373678	1805868	---	---	---	1,66	up
6534479	7148741	1247832	---	---	---	1,12	down
6534493	7355044	1757446	---	---	---	1,05	up
6534509	7301843	1626479	---	---	---	1,26	down
6534527	7055793	1022294	---	---	---	1,00	up
6534532	7274892	1559544	---	---	---	1,20	up
6534638	7374324	1807500	---	---	---	1,07	up
6534674	7337425	1713198	---	---	---	1,19	up
6534717	7280982	1575207	---	---	---	1,14	down
6534727	7141456	1229587	---	---	---	1,08	down
6534731	7211363	1402056	---	---	---	1,55	down
6534822	7183182	1333553	---	---	---	2,27	down
6534910	7301904	1626758	---	---	---	1,21	down
6535054	7267802	1541743	---	---	---	1,58	up
6535156	7259221	1520630	---	---	---	1,11	up
6535195	7217798	1417605	---	---	---	1,40	up
6535210	7227433	1440974	---	---	---	1,01	down
6535254	7072332	1061647	---	---	---	2,24	up
6535279	7119845	1176900	---	---	---	1,35	up
6535314	7146872	1242911	---	---	---	1,17	down
6535380	7069603	1055047	---	---	---	1,05	down
6535584	7081487	1082714	---	---	---	1,13	up
6535588	7374324	1807481	---	---	---	1,03	down
6535589	7148741	1247872	---	---	---	1,09	down
6535626	7352252	1750567	---	---	---	1,63	down
6535707	7257893	1517472	---	---	---	1,36	down
6535719	7115259	1165351	---	---	---	2,19	up
6535821	7093835	1112220	---	---	---	1,07	down

6535870	7282927	1579976	---	---	---	1,04	down
6536035	7309738	1646950	---	---	---	1,09	up
6536074	7136062	1216292	---	---	---	1,04	up
6536077	7138580	1222479	---	---	---	1,26	down
6536133	7329846	1694987	---	---	---	1,43	up
6536235	7372840	1803770	---	---	---	1,07	up
6536296	7061948	1036373	---	---	---	1,83	down
6536383	7190242	1350324	---	---	---	1,68	down
6536412	7049689	1008871	---	---	---	1,12	up
6536489	7162144	1280504	---	---	---	1,19	up
6536533	7092549	1109187	---	---	---	1,30	down
6536575	7027797	956286	---	---	---	1,67	up
6536658	7375937	1811362	---	---	---	1,35	down
6536688	7330582	1696864	---	---	---	1,16	up
6536696	7146425	1241887	---	---	---	1,38	up
6536720	7374324	1807463	---	---	---	1,30	down
6536722	7340990	1722514	---	---	---	1,03	down
6536777	7168439	1295694	---	---	---	1,52	down
6536792	7353287	1753020	---	---	---	1,02	down
6536984	7079238	1077813	---	---	---	1,14	down
6537024	7198210	1370950	---	---	---	1,10	up
6537030	7326378	1686711	---	---	---	2,19	up
6537220	7056106	1022970	---	---	---	1,39	up
6537251	7380497	1821821	---	---	---	1,07	down
6537456	7056736	1024421	---	---	---	1,11	up
6537700	7339379	1718361	---	---	---	1,41	down
6537870	7184231	1336146	---	---	---	2,07	down
6537938	7198087	1370695	---	---	---	1,29	down
6538060	7253088	1505111	---	---	---	1,93	up
6538085	7376073	1811719	---	---	---	1,06	up
6538155	7102723	1134386	---	---	---	1,46	up
6538182	7100523	1128869	---	---	---	1,66	down
6538205	7033616	970211	---	---	---	1,18	up
6538211	7234040	1458505	---	---	---	1,59	up
6538216	7341646	1724194	---	---	---	1,07	down
6538297	7170764	1301427	---	---	---	1,07	up
6538317	7252728	1504323	---	---	---	2,03	down
6538373	7214605	1409365	---	---	---	1,16	down
6538479	7100307	1128385	---	---	---	1,25	down
6538567	7156611	1267336	---	---	---	1,33	down
6538621	7186240	1340821	---	---	---	1,09	down
6538627	7349313	1743119	---	---	---	1,06	up
6538642	7200129	1375994	---	---	---	2,13	up
6538695	7374324	1807516	---	---	---	1,18	down
6538737	7282927	1580025	---	---	---	1,26	up
6538849	7280982	1575166	---	---	---	2,19	up
6538856	7028326	957440	---	---	---	1,73	up
6538895	7217679	1417301	---	---	---	1,08	down
6538906	7223833	1431984	---	---	---	3,07	down
6539036	7098077	1122785	---	---	---	1,15	down
6539057	7056106	1022968	---	---	---	1,29	down
6539060	7148978	1248497	---	---	---	1,03	down
6539077	7231137	1450198	---	---	---	1,14	down
6539097	7070869	1058491	---	---	---	1,53	down
6539111	7055793	1022314	---	---	---	1,22	down
6539122	7279593	1572094	---	---	---	1,15	up
6539186	7376820	1813443	---	---	---	1,04	up

6539314	7034407	972309	---	---	---	1,50	down
6539489	7091900	1107628	---	---	---	1,32	down
6539502	7181001	1327630	---	---	---	1,75	up
6539612	7374324	1807522	---	---	---	1,06	up
6539767	7365147	1781771	---	---	---	1,29	down
6539859	7219624	1422140	---	---	---	1,39	up
6540093	7143381	1234481	---	---	---	1,34	up
6540095	7125160	1189564	---	---	---	1,01	down
6540110	7341002	1722556	---	---	---	1,40	up
6540147	7084193	1089088	---	---	---	1,47	up
6540162	7247954	1492402	---	---	---	1,16	up
6540219	7167883	1294108	---	---	---	2,49	down
6540337	7146093	1240913	---	---	---	1,01	down
6540350	7326612	1687198	---	---	---	2,17	down
6540396	7067670	1050314	---	---	---	2,92	up
6540410	7280982	1575247	---	---	---	1,12	down
6540480	7350530	1746237	---	---	---	1,05	down
6540485	7330314	1696138	---	---	---	1,03	up
6540565	7108434	1148303	---	---	---	1,58	down
6540709	7106776	1144104	---	---	---	1,20	down
6540734	7364346	1779991	---	---	---	1,32	up
6540868	7176275	1315357	---	---	---	1,31	down
6540989	7073609	1064844	---	---	---	1,50	up
6540991	7089080	1101148	---	---	---	1,46	down
6541018	7301807	1626311	---	---	---	1,22	down
6541074	7098867	1124952	---	---	---	1,42	up
6541128	7048014	1005627	---	---	---	1,03	up
6541149	7169599	1298453	---	---	---	1,82	up
6541352	7339834	1719546	---	---	---	1,22	up
6541436	7317204	1665390	---	---	---	1,00	down
6541555	7138580	1222518	---	---	---	1,04	down
6541573	7288077	1591995	---	---	---	1,21	up
6541588	7302327	1627672	---	---	---	1,21	up
6541597	7031774	964736	---	---	---	1,19	down
6541653	7031774	964759	---	---	---	1,02	up
6541660	7361881	1773943	---	---	---	1,04	down
6541703	7127540	1195282	---	---	---	1,53	up
6541709	7198087	1370685	---	---	---	1,15	down
6541712	7139708	1225054	---	---	---	1,13	up
6541783	7100523	1128857	---	---	---	1,23	up
6541816	7052385	1014774	---	---	---	1,01	up
6541828	7156372	1266712	---	---	---	1,12	up
6541833	7188138	1345048	---	---	---	1,42	down
6541854	7193916	1360448	---	---	---	1,31	down
6541889	7297589	1615663	---	---	---	1,28	up
6542005	7162144	1280499	---	---	---	1,44	up
6542058	7225543	1435922	---	---	---	1,04	down
6542132	7089080	1101151	---	---	---	1,19	down
6542148	7380497	1821868	---	---	---	1,79	down
6542286	7052813	1015928	---	---	---	1,11	down
6542301	7373038	1804288	---	---	---	1,66	up
6542321	7067828	1050799	---	---	---	1,33	up
6542328	7314270	1657743	---	---	---	2,24	down
6542380	7170764	1301486	---	---	---	1,02	down
6542406	7196187	1365960	---	---	---	1,24	up
6542505	7058713	1028657	---	---	---	1,27	down
6542529	7067670	1050362	---	---	---	1,06	up

6542541	7346066	1735293	---	---	---	1,37	down
6542566	7066035	1046198	---	---	---	1,04	up
6542622	7158419	1271378	---	---	---	1,27	up
6542684	7266544	1538346	---	---	---	1,70	down
6542759	7276650	1564148	---	---	---	1,04	down
6542760	7033337	969485	---	---	---	1,26	down
6542919	7033504	969853	---	---	---	1,97	down
6543155	7289075	1594462	---	---	---	1,08	up
6543172	7148741	1247872	---	---	---	1,30	up
6543299	7341646	1724194	---	---	---	1,54	up
6543358	7248790	1494530	---	---	---	1,21	up
6543385	7317708	1666829	---	---	---	1,36	up
6543464	7083031	1086283	---	---	---	1,20	up
6543560	7189669	1348984	---	---	---	1,47	up
6543837	7148741	1247848	---	---	---	1,12	down
6543935	7028326	957438	---	---	---	1,24	down
6543953	7339379	1718349	---	---	---	1,32	up
6544003	7332059	1700726	---	---	---	1,07	down
6544012	7286807	1588801	---	---	---	1,35	down
6544075	7337845	1714332	---	---	---	1,38	up
6544103	7069603	1055040	---	---	---	1,12	down
6544110	7281924	1577742	---	---	---	1,04	up
6544281	7226278	1438001	---	---	---	1,86	down
6544330	7027386	955091	---	---	---	1,15	down
6544334	7181105	1327962	---	---	---	1,56	up
6544385	7373678	1805860	---	---	---	1,15	down
6544475	7252728	1504322	---	---	---	1,13	up
6544792	7186464	1341384	---	---	---	1,28	down
6544799	7380878	1822558	---	---	---	1,43	down
6544905	7339379	1718357	---	---	---	1,66	up
6544962	7070836	1058341	---	---	---	2,25	down
6544974	7265259	1535443	---	---	---	2,51	up
6545055	7269911	1546909	---	---	---	2,09	down
6545183	7189404	1348197	---	---	---	1,03	down
6545257	7301900	1626743	---	---	---	1,10	up
6545281	7102369	1133413	---	---	---	1,07	down
6545287	7075460	1069413	---	---	---	5,72	up
6545307	7176368	1315577	---	---	---	1,54	up
6545332	7209927	1398924	---	---	---	1,08	up
6545371	7113985	1162232	---	---	---	1,40	up
6545447	7279103	1570820	---	---	---	1,11	up
6545463	7186443	1341313	---	---	---	1,04	up
6545597	7307473	1641260	---	---	---	1,58	down
6545609	7197056	1367833	---	---	---	1,28	down
6545650	7188829	1346663	---	---	---	1,21	down
6545699	7312686	1653619	---	---	---	1,02	up
6545810	7219304	1421274	---	---	---	1,03	down
6545870	7052385	1014781	---	---	---	1,04	up
6545874	7287337	1589971	---	---	---	1,92	down
6545939	7347427	1738662	---	---	---	1,19	up
6546232	7342356	1725906	---	---	---	2,26	up
6546421	7359361	1768267	---	---	---	1,26	down
6546492	7340304	1720853	---	---	---	2,86	up
6546502	7062233	1037226	---	---	---	1,36	up
6546519	7281924	1577737	---	---	---	1,66	up
6546525	7259925	1522545	---	---	---	1,28	up
6546570	7101643	1131566	---	---	---	1,25	down

6546583	7218728	1419926	---	---	---	1,00	up
6546623	7336854	1711683	---	---	---	1,30	up
6546637	7297756	1616088	---	---	---	1,11	down
6546707	7330181	1695696	---	---	---	1,55	down
6546722	7198087	1370655	---	---	---	1,05	up
6546723	7326245	1686391	---	---	---	1,39	up
6546737	7247512	1491204	---	---	---	1,68	up
6546815	7109292	1150744	---	---	---	1,63	down
6546842	7121849	1181754	---	---	---	1,28	down
6546861	7101643	1131595	---	---	---	1,10	down
6546969	7197048	1367806	---	---	---	1,43	up
6546985	7088723	1100135	---	---	---	1,08	down
6547029	7373678	1805865	---	---	---	1,67	up
6547502	7176456	1315799	---	---	---	1,01	down
6547586	7039303	983869	---	---	---	1,20	down
6547808	7294911	1608530	---	---	---	2,09	up
6547929	7373633	1805704	---	---	---	2,34	up
6548025	7207093	1392152	---	---	---	1,34	down
6548075	7232958	1455301	---	---	---	1,43	up
6548243	7288077	1591941	---	---	---	1,37	down
6548419	7173640	1308945	---	---	---	1,27	up
6548604	7231775	1452121	---	---	---	2,67	down
6548639	7255911	1512227	---	---	---	1,22	up
6548656	7071264	1059362	---	---	---	1,44	down
6548711	7131876	1206047	---	---	---	1,26	up
6548714	7177834	1319645	---	---	---	1,49	up
6548905	7217650	1417192	---	---	---	1,75	up
6548913	7372840	1803756	---	---	---	1,90	up
6548927	7307424	1641137	---	---	---	1,05	down
6548935	7168439	1295684	---	---	---	1,18	down
6549047	7208784	1396128	---	---	---	1,13	down
6549151	7368005	1789342	---	---	---	1,24	up
6549174	7128112	1196540	---	---	---	1,16	down
6549300	7371753	1800971	---	---	---	1,31	up
6549329	7069727	1055347	---	---	---	1,36	up
6549478	7030224	961132	---	---	---	1,80	down
6549487	7156114	1266053	---	---	---	1,01	down
6549511	7355138	1757812	---	---	---	1,11	up
6549595	7143455	1234722	---	---	---	1,14	up
6549679	7205944	1389497	---	---	---	1,12	up
6549698	7061948	1036377	---	---	---	1,54	down
6549713	7288077	1591966	---	---	---	1,04	up
6549830	7337425	1713186	---	---	---	1,10	up
6549832	7365183	1781912	---	---	---	1,03	up
6549843	7093835	1112248	---	---	---	1,26	down
6549852	7132024	1206344	---	---	---	1,01	down
6549864	7289075	1594470	---	---	---	1,36	up
6549886	7088489	1099521	---	---	---	1,19	up
6550027	7034356	972156	---	---	---	1,12	up
6550198	7279881	1572736	---	---	---	1,72	up
6550424	7380497	1821833	---	---	---	1,08	down
6550539	7367990	1789224	---	---	---	1,72	up
6550587	7088544	1099701	---	---	---	1,44	up
6550669	7264085	1532719	---	---	---	1,04	up
6550671	7300392	1622757	---	---	---	1,13	up
6550701	7089080	1101139	---	---	---	1,13	up
6550797	7153895	1259919	---	---	---	1,52	down

6550803	7350237	1745489	---	---	---	2,26	up
6550817	7255911	1512216	---	---	---	1,20	up
6550833	7236358	1464256	---	---	---	1,59	up
6550851	7185483	1338927	---	---	---	2,02	down
6550896	7201540	1379434	---	---	---	1,37	down
6551047	7217192	1415689	---	---	---	1,49	down
6551143	7135736	1215360	---	---	---	1,23	down
6551166	7080131	1079793	---	---	---	1,40	down
6551190	7027386	955057	---	---	---	1,38	down
6551235	7225543	1435925	---	---	---	1,33	down
6551366	7217434	1416444	---	---	---	1,08	up
6551380	7111361	1155580	---	---	---	1,28	down
6551428	7075460	1069404	---	---	---	2,00	down
6551490	7155116	1263424	---	---	---	3,74	up
6551497	7142321	1231476	---	---	---	1,80	up
6551545	7183182	1333556	---	---	---	1,35	down
6551667	7185355	1338695	---	---	---	1,52	up
6551716	7373634	1805724	---	---	---	1,30	up
6551720	7252877	1504680	---	---	---	1,30	up
6551817	7277783	1567450	---	---	---	1,24	down
6551923	7132020	1206307	---	---	---	1,35	down
6551931	7154655	1262344	---	---	---	1,08	up
6551964	7121849	1181779	---	---	---	1,08	up
6552027	7340757	1721889	---	---	---	1,48	down
6552037	7072332	1061645	---	---	---	1,55	up
6552039	7186688	1341839	---	---	---	1,00	down
6552071	7301843	1626453	---	---	---	2,05	down
6552190	7170764	1301471	---	---	---	1,21	down
6552196	7247512	1491218	---	---	---	1,01	down
6552336	7318286	1668335	---	---	---	1,38	down
6552358	7042382	991294	---	---	---	1,28	down
6552359	7291853	1600977	---	---	---	2,41	down
6552369	7339379	1718321	---	---	---	1,15	down
6552379	7155116	1263438	---	---	---	1,15	up
6552579	7263805	1532195	---	---	---	1,10	down
6552586	7225543	1435930	---	---	---	1,02	up
6552618	7312121	1652374	---	---	---	1,30	down
6552693	7339379	1718344	---	---	---	1,52	down
6552803	7365183	1781905	---	---	---	1,39	down
6552824	7166867	1291346	---	---	---	1,10	down
6552828	7052813	1015912	---	---	---	1,21	down
6552865	7079238	1077807	---	---	---	1,13	up
6552908	7273744	1556982	---	---	---	1,83	down
6553087	7217434	1416362	---	---	---	1,16	up
6553114	7141061	1228644	---	---	---	1,04	down
6553164	7341115	1722914	---	---	---	1,21	up
6553254	7313841	1656733	---	---	---	1,13	down
6553346	7230628	1448868	---	---	---	1,40	up
6553357	7052813	1015921	---	---	---	1,47	up
6553571	7173706	1309298	---	---	---	1,43	down
6553602	7073609	1064851	---	---	---	1,23	up
6553614	7112355	1158069	---	---	---	1,38	down
6553636	7213945	1407831	---	---	---	1,11	down
6553706	7337425	1713167	---	---	---	1,06	down
6553720	7103782	1136947	---	---	---	1,00	down
6553849	7069830	1055612	---	---	---	1,03	down
6554118	7279806	1572566	---	---	---	1,17	up

6554187	7074519	1067174	---	---	---	1,10	down
6554259	7376073	1811718	---	---	---	1,10	down
6554288	7240569	1475480	---	---	---	1,13	down
6554345	7217747	1417487	---	---	---	1,33	down
6554376	7336931	1711872	---	---	---	1,06	up
6554460	7058507	1028310	---	---	---	1,03	down
6554476	7118503	1173541	---	---	---	1,49	down
6554482	7034293	971914	---	---	---	1,03	down
6554493	7359453	1768448	---	---	---	1,28	down
6554559	7069830	1055621	---	---	---	1,08	down
6554755	7047524	1004657	---	---	---	1,04	down
6554759	7180687	1326625	---	---	---	1,05	up
6554832	7034293	971810	---	---	---	3,35	up
6554858	7200996	1378167	---	---	---	1,03	down
6554861	7084193	1089047	---	---	---	1,19	down
6554882	7106752	1144024	---	---	---	1,33	up
6554933	7127691	1195633	---	---	---	1,02	down
6554970	7345465	1733842	---	---	---	2,13	up
6554975	7312566	1653306	---	---	---	1,07	down
6555247	7240224	1474389	---	---	---	1,41	up
6555337	7176409	1315668	---	---	---	1,61	down
6555398	7367990	1789226	---	---	---	1,23	up
6555454	7252339	1503272	---	---	---	1,03	up
6555476	7236131	1463784	---	---	---	1,07	down
6555559	7350922	1747318	---	---	---	2,18	down
6555580	7277719	1567086	---	---	---	1,95	down
6555609	7105780	1141703	---	---	---	1,25	up
6555826	7264797	1534436	---	---	---	1,31	up
6555869	7122140	1182723	---	---	---	1,03	down
6555946	7031774	964766	---	---	---	1,03	down
6555967	7233970	1458269	---	---	---	1,09	down
6556149	7270397	1548131	---	---	---	2,24	down
6556308	7383102	1827398	---	---	---	1,05	down
6556387	7245921	1487689	---	---	---	1,80	down
6556398	7078666	1076520	---	---	---	1,15	down
6556460	7292869	1603408	---	---	---	1,33	up
6556593	7358859	1766985	---	---	---	2,36	down
6556704	7263248	1530602	---	---	---	1,15	down
6556783	7148741	1247882	---	---	---	2,22	down
6556867	7210822	1400980	---	---	---	1,13	up
6556872	7309734	1646881	---	---	---	1,29	up
6556936	7290463	1597945	---	---	---	1,26	up
6556985	7337845	1714347	---	---	---	1,54	down
6557020	7028326	957439	---	---	---	1,00	up
6557106	7302327	1627673	---	---	---	2,04	up
6557157	7384073	1829475	---	---	---	1,28	up
6557188	7148741	1247825	---	---	---	1,06	up
6557195	7312566	1653328	---	---	---	1,34	down
6557215	7076236	1071177	---	---	---	1,53	up
6557298	7142917	1233158	---	---	---	1,26	up
6557328	7364346	1779984	---	---	---	1,06	down
6557394	7331757	1700017	---	---	---	1,33	down
6557397	7078815	1076996	---	---	---	1,91	down
6557436	7294851	1608361	---	---	---	2,87	up
6557511	7093936	1112477	---	---	---	1,32	up
6557562	7335637	1708474	---	---	---	1,26	up
6557616	7243647	1482444	---	---	---	1,01	up

6557629	7136062	1216294	---	---	---	1,02	up
6557744	7317318	1665827	---	---	---	1,06	down
6557760	7346687	1736696	---	---	---	1,42	up
6557773	7353284	1752984	---	---	---	1,20	down
6557832	7374324	1807491	---	---	---	1,21	up
6557863	7223395	1431084	---	---	---	1,21	up
6557895	7039223	983564	---	---	---	1,16	up
6557939	7240569	1475328	---	---	---	1,01	down
6557977	7143455	1234737	---	---	---	2,41	down
6558069	7228656	1444240	---	---	---	1,01	up
6558120	7287337	1589970	---	---	---	2,94	down
6558204	7110401	1153066	---	---	---	1,06	down
6558218	7184931	1337717	---	---	---	1,03	down
6558339	7360325	1770532	---	---	---	1,20	down
6558385	7120039	1177523	---	---	---	2,02	up
6558412	7272110	1553031	---	---	---	1,63	down
6558429	7303722	1631718	---	---	---	1,52	down
6558454	7155866	1265339	---	---	---	1,29	up
6558520	7056025	1022800	---	---	---	1,06	up
6558692	7155624	1264727	---	---	---	3,82	down
6558837	7204929	1387148	---	---	---	1,01	up
6558957	7367946	1788965	---	---	---	1,16	up
6559211	7127691	1195630	---	---	---	1,05	up
6559294	7236492	1464541	---	---	---	1,23	up
6559349	7217650	1417205	---	---	---	1,05	down
6559370	7146245	1241377	---	---	---	1,07	up
6559434	7227474	1441140	---	---	---	1,02	down
6559483	7353284	1752981	---	---	---	1,05	up
6559505	7376820	1813421	---	---	---	1,28	down
6559557	7058507	1028308	---	---	---	1,24	down
6559594	7281924	1577709	---	---	---	1,27	down
6559635	7121849	1181804	---	---	---	1,05	down
6559700	7377116	1814069	---	---	---	1,06	up
6559790	7282927	1579985	---	---	---	1,20	up
6559825	7359361	1768267	---	---	---	1,07	down
6559880	7259925	1522557	---	---	---	1,04	up
6559898	7322020	1676634	---	---	---	1,30	up
6559919	7156052	1265757	---	---	---	1,58	down
6560030	7027386	955090	---	---	---	1,00	up
6560031	7336050	1709754	---	---	---	1,01	down
6560032	7295652	1610285	---	---	---	1,75	down
6560056	7344406	1731203	---	---	---	1,08	down
6560076	7297589	1615656	---	---	---	1,01	up
6560180	7232709	1454534	---	---	---	1,59	up
6560309	7318714	1669224	---	---	---	1,12	down
6560315	7363674	1778424	---	---	---	1,17	up
6560350	7167872	1294017	---	---	---	1,08	down
6560351	7120827	1179351	---	---	---	1,44	down
6560355	7377791	1815991	---	---	---	1,56	down
6560396	7264653	1534030	---	---	---	1,04	up
6560398	7184850	1337597	---	---	---	1,07	up
6560409	7137646	1220437	---	---	---	1,32	down
6560450	7385253	1832224	---	---	---	1,03	down
6560463	7125348	1190100	---	---	---	1,78	up
6560474	7100523	1128889	---	---	---	1,67	up
6560521	7069239	1054091	---	---	---	2,85	down
6560524	7337425	1713142	---	---	---	1,04	up

6560534	7176368	1315561	---	---	---	1,28	up
6560558	7143381	1234470	---	---	---	1,15	down
6560582	7089080	1101159	---	---	---	1,35	up
6560627	7193056	1358270	---	---	---	1,01	up
6560647	7069464	1054662	---	---	---	1,33	up
6560653	7065640	1045199	---	---	---	1,10	up
6560748	7127540	1195278	---	---	---	1,19	up
6560766	7217650	1417190	---	---	---	1,21	down
6560806	7072765	1062737	---	---	---	1,35	up
6560852	7131372	1205017	---	---	---	1,16	down
6560872	7344530	1731577	---	---	---	1,08	up
6560909	7146982	1243284	---	---	---	1,17	up
6560954	7312686	1653621	---	---	---	1,13	down
6560997	7329185	1693647	---	---	---	2,03	up
6561003	7075460	1069396	---	---	---	1,47	down
6561083	7069603	1055044	---	---	---	1,05	down
6561233	7361881	1773930	---	---	---	1,08	down
6561271	7264274	1533174	---	---	---	2,35	down
6561294	7030454	961554	---	---	---	1,35	down
6561382	7058713	1028667	---	---	---	1,29	up
6561401	7315571	1661011	---	---	---	1,13	up
6561430	7131718	1205745	---	---	---	1,19	up
6561513	7153136	1258009	---	---	---	1,50	up
6561539	7069464	1054672	---	---	---	1,03	down
6561617	7244602	1484780	---	---	---	1,28	down
6561624	7356027	1759985	---	---	---	1,20	up
6561787	7093296	11110953	---	---	---	1,28	up
6561884	7060896	1033617	---	---	---	1,19	up
6561897	7065570	1045092	---	---	---	1,42	down
6562215	7253272	1505578	---	---	---	1,14	up
6562245	7086966	1095241	---	---	---	1,02	down
6562278	7142915	1233092	---	---	---	1,05	down
6562283	7329846	1694994	---	---	---	1,02	up
6562304	7211389	1402112	---	---	---	1,40	up
6562388	7327169	1688457	---	---	---	1,33	down
6562389	7180804	1327008	---	---	---	1,23	down
6562391	7156611	1267336	---	---	---	1,13	up
6562405	7069721	1055313	---	---	---	1,05	down
6562429	7231533	1451506	---	---	---	1,14	up
6562576	7088164	1098469	---	---	---	2,12	up
6562617	7329846	1694989	---	---	---	1,12	up
6562661	7264653	1534038	---	---	---	1,12	down
6562679	7132024	1206337	---	---	---	1,03	up
6562761	7042382	991295	---	---	---	1,09	up
6562790	7172691	1306453	---	---	---	1,55	up
6562881	7183182	1333557	---	---	---	1,26	up
6562959	7131550	1205554	---	---	---	1,74	down
6563029	7105780	1141695	---	---	---	1,09	up
6563085	7076160	1070872	---	---	---	1,15	up
6563141	7191983	1355173	---	---	---	1,22	down
6563200	7072748	1062585	---	---	---	1,23	up
6563210	7062233	1037259	---	---	---	1,01	up
6563237	7380497	1821828	---	---	---	1,05	down
6563267	7267000	1539302	---	---	---	1,00	up
6563349	7051029	1011854	---	---	---	1,75	down
6563365	7228530	1443904	---	---	---	1,16	down
6563419	7305275	1635833	---	---	---	1,44	down

6563578	7349817	1744642	---	---	---	1,25	up
6563639	7267802	1541836	---	---	---	1,14	down
6563649	7140365	1226764	---	---	---	1,03	up
6563849	7282831	1579771	---	---	---	1,41	up
6563946	7280743	1574520	---	---	---	1,47	up
6563966	7095066	1115288	---	---	---	1,00	down
6564030	7289382	1595211	---	---	---	1,04	down
6564033	7339379	1718364	---	---	---	1,60	down
6564037	7131718	1205748	---	---	---	1,26	up
6564050	7339834	1719554	---	---	---	1,04	down
6564056	7301843	1626486	---	---	---	1,38	up
6564224	7197138	1368003	---	---	---	1,00	down
6564478	7312338	1652775	---	---	---	3,52	down
6564522	7240569	1475321	---	---	---	1,46	down
6564582	7096924	1119618	---	---	---	1,55	up
6564600	7374740	1808626	---	---	---	1,13	down
6564619	7127540	1195280	---	---	---	1,75	down
6564646	7179176	1322915	---	---	---	1,04	up
6564762	7260066	1522903	---	---	---	1,26	down
6564767	7276650	1564133	---	---	---	1,06	up
6564774	7121849	1181816	---	---	---	1,07	up
6564821	7034293	971849	---	---	---	1,02	up
6564918	7101258	1130564	---	---	---	2,78	down
6564933	7150348	1251381	---	---	---	1,13	up
6564997	7095960	1117070	---	---	---	1,12	up
6565055	7075460	1069398	---	---	---	1,62	down
6565070	7377583	1815459	---	---	---	1,11	up
6565074	7234040	1458493	---	---	---	1,58	up
6565105	7049916	1009199	---	---	---	2,09	up
6565155	7095041	1115168	---	---	---	1,55	up
6565202	7244027	1483274	---	---	---	1,04	up
6565232	7156052	1265772	---	---	---	1,20	up
6565285	7377304	1814593	---	---	---	1,04	up
6565295	7383501	1828201	---	---	---	1,60	up
6565335	7066035	1046217	---	---	---	1,14	up
6565383	7236131	1463759	---	---	---	1,15	up
6565479	7340673	1721686	---	---	---	1,16	down
6565494	7180243	1325507	---	---	---	2,49	down
6565506	7040442	986554	---	---	---	1,13	down
6565550	7360486	1770948	---	---	---	1,02	up
6565574	7110401	1153063	---	---	---	1,17	down
6565617	7368004	1789329	---	---	---	1,01	down
6565674	7297589	1615665	---	---	---	1,10	up
6565692	7235069	1460983	---	---	---	1,23	down
6565777	7028624	958000	---	---	---	1,01	up
6565782	7317708	1666830	---	---	---	1,07	down
6565841	7265259	1535437	---	---	---	1,46	up
6565859	7363529	1777932	---	---	---	1,22	down
6565869	7261592	1526846	---	---	---	1,07	down
6565946	7306229	1638245	---	---	---	1,16	down
6565948	7199341	1374162	---	---	---	1,11	down
6565951	7252383	1503516	---	---	---	1,08	up
6566060	7068259	1051644	---	---	---	1,03	down
6566075	7371539	1800303	---	---	---	1,12	up
6566187	7198210	1371006	---	---	---	1,02	up
6566200	7231137	1450203	---	---	---	1,17	up
6566206	7125160	1189600	---	---	---	1,07	up

6566306	7330396	1696337	---	---	---	1,36	down
6566335	7280743	1574545	---	---	---	1,62	up
6566457	7218728	1419926	---	---	---	1,02	down
6566460	7309734	1646895	---	---	---	1,16	up
6566503	7095021	1115131	---	---	---	1,16	down
6566657	7337425	1713146	---	---	---	1,40	down
6566747	7329846	1695001	---	---	---	1,73	down
6566749	7153136	1258037	---	---	---	1,47	down
6566788	7160687	1277020	---	---	---	1,60	up
6566803	7378637	1817829	---	---	---	1,84	down
6566804	7217434	1416415	---	---	---	1,24	down
6566818	7361881	1773963	---	---	---	1,05	down
6566871	7039532	984440	---	---	---	1,01	up
6566962	7071969	1060899	---	---	---	1,30	up
6567003	7253408	1505950	---	---	---	1,07	down
6567071	7369954	1795666	---	---	---	1,68	up
6567092	7363674	1778410	---	---	---	1,14	down
6567237	7088723	1100102	---	---	---	1,20	down
6567324	7257893	1517480	---	---	---	2,84	up
6567330	7353224	1752674	---	---	---	1,07	up
6567584	7132024	1206340	---	---	---	1,10	up
6567598	7378997	1818671	---	---	---	1,15	down
6567627	7254040	1507597	---	---	---	1,22	up
6567651	7281924	1577713	---	---	---	2,14	up
6567695	7227474	1441137	---	---	---	1,59	up
6567722	7368954	1792774	---	---	---	2,88	down
6568096	7293763	1605718	---	---	---	2,65	down
6568097	7070869	1058470	---	---	---	1,99	down
6568242	7361223	1772615	---	---	---	1,03	down
6568251	7375937	1811355	---	---	---	1,09	up
6568456	7240569	1475463	---	---	---	1,02	down
6568462	7340990	1722514	---	---	---	1,59	down
6568793	7056736	1024423	---	---	---	1,19	down
6568923	7256191	1512867	---	---	---	1,01	down
6568930	7062233	1037217	---	---	---	1,08	up
6568964	7122140	1182732	---	---	---	1,27	up
6569040	7217650	1417199	---	---	---	1,68	down
6569059	7363529	1777947	---	---	---	1,29	up
6569111	7257893	1517465	---	---	---	1,01	down
6569158	7373633	1805713	---	---	---	1,13	up
6569160	7319259	1670398	---	---	---	1,85	down
6569259	7108434	1148308	---	---	---	1,13	down
6569372	7038530	981863	---	---	---	1,07	up
6569379	7342356	1725873	---	---	---	1,65	down
6569382	7173640	1308965	---	---	---	1,70	down
6569439	7180151	1325199	---	---	---	1,53	down
6569453	7313538	1655713	---	---	---	1,21	up
6569508	7087965	1098031	---	---	---	1,74	up
6569510	7236492	1464545	---	---	---	1,16	up
6569611	7132715	1207973	---	---	---	1,57	up
6569616	7358859	1767008	---	---	---	1,03	up
6569619	7363529	1777924	---	---	---	1,20	down
6569693	7245921	1487690	---	---	---	2,24	down
6569698	7028326	957442	---	---	---	1,13	down
6569700	7213908	1407760	---	---	---	1,36	down
6569725	7168521	1295980	---	---	---	1,10	down
6569794	7076236	1071195	---	---	---	1,17	up

6569802	7256191	1512884	---	---	---	1,55	up
6569939	7384073	1829466	---	---	---	1,03	down
6570022	7364346	1779993	---	---	---	1,17	up
6570081	7209927	1398924	---	---	---	1,17	up
6570111	7267802	1541743	---	---	---	1,34	down
6570138	7312465	1653048	---	---	---	1,11	up
6570161	7317318	1665798	---	---	---	1,64	down
6570256	7137751	1220585	---	---	---	1,78	up
6570412	7240569	1475481	---	---	---	1,95	down
6570551	7110959	1154684	---	---	---	1,05	down
6570563	7091439	1106642	---	---	---	2,24	down
6570591	7378878	1818318	---	---	---	1,46	down
6570625	7193056	1358284	---	---	---	1,23	up
6570674	7301616	1625902	---	---	---	1,07	down
6570692	7346687	1736689	---	---	---	1,24	up
6570874	7360486	1770942	---	---	---	1,06	down
6570880	7243647	1482450	---	---	---	1,18	up
6571108	7212141	1403604	---	---	---	1,47	up
6571118	7068942	1053366	---	---	---	1,03	down
6571197	7092406	1108786	---	---	---	1,01	down
6571209	7181105	1327948	---	---	---	1,11	up
6571218	7034356	972158	---	---	---	1,24	up
6571277	7092549	1109189	---	---	---	1,01	up
6571296	7277719	1567080	---	---	---	1,03	down
6571446	7058713	1028660	---	---	---	1,41	down
6571518	7072429	1061868	---	---	---	1,13	down
6571625	7076099	1070640	---	---	---	1,21	up
6571666	7162177	1280579	---	---	---	1,09	up
6571690	7345465	1733837	---	---	---	1,00	down
6571725	7303777	1631924	---	---	---	2,03	down
6571734	7208784	1396160	---	---	---	1,14	down
6571746	7209927	1398932	---	---	---	1,04	up
6571749	7130889	1203882	---	---	---	1,01	down
6571876	7226109	1437367	---	---	---	1,57	up
6571914	7041140	988269	---	---	---	1,44	down
6571944	7197056	1367837	---	---	---	1,01	up
6571961	7267802	1541799	---	---	---	1,01	down
6572051	7366749	1785531	---	---	---	1,32	up
6572099	7181105	1327948	---	---	---	1,43	up
6572459	7097454	1120884	---	---	---	1,21	down
6572481	7030037	960710	---	---	---	1,04	down
6572516	7364346	1779966	---	---	---	1,16	down
6572616	7248790	1494548	---	---	---	1,34	down
6572708	7121849	1181812	---	---	---	1,05	up
6572732	7166867	1291330	---	---	---	1,31	up
6572840	7343250	1728035	---	---	---	1,02	up
6572863	7210387	1400036	---	---	---	1,13	down
6572884	7340263	1720748	---	---	---	1,25	down
6572888	7297589	1615647	---	---	---	1,25	down
6572910	7237814	1467815	---	---	---	1,08	up
6572964	7220650	1424529	---	---	---	1,56	down
6572996	7167883	1294108	---	---	---	1,53	down
6573016	7086672	1094396	---	---	---	1,50	down
6573053	7170845	1301899	---	---	---	1,18	up
6573076	7258455	1518725	---	---	---	1,19	up
6573125	7371228	1799460	---	---	---	1,11	up
6573363	7068942	1053385	---	---	---	2,02	up

6573396	7146082	1240802	---	---	---	2,05	down
6573402	7327169	1688466	---	---	---	1,66	down
6573405	7211389	1402114	---	---	---	1,00	up
6573459	7247954	1492358	---	---	---	1,33	up
6573503	7225291	1435295	---	---	---	1,28	down
6573557	7186240	1340826	---	---	---	1,30	down
6573576	7237438	1466784	---	---	---	1,32	up
6573950	7146093	1240980	---	---	---	1,44	down
6573966	7052385	1014799	---	---	---	1,38	down
6574074	7115362	1165599	---	---	---	1,16	down
6574125	7277783	1567447	---	---	---	1,32	up
6574133	7371001	1798870	---	---	---	1,27	down
6574171	7301843	1626453	---	---	---	1,21	up
6574240	7231484	1451381	---	---	---	1,83	down
6574283	7118864	1174352	---	---	---	1,56	down
6574290	7337425	1713207	---	---	---	1,12	down
6574346	7176456	1315832	---	---	---	1,26	up
6574600	7360486	1770964	---	---	---	1,12	up
6574610	7315206	1660027	---	---	---	1,22	up
6574671	7319398	1670688	---	---	---	1,10	up
6574701	7217434	1416390	---	---	---	1,04	up
6574729	7110959	1154684	---	---	---	1,02	down
6574808	7122140	1182724	---	---	---	1,01	up
6574854	7148741	1247835	---	---	---	1,06	down
6574874	7039223	983575	---	---	---	2,30	down
6574883	7353997	1754702	---	---	---	1,02	up
6574942	7236131	1463774	---	---	---	1,15	down
6575020	7279593	1572095	---	---	---	1,01	down
6575037	7240569	1475510	---	---	---	1,00	up
6575156	7040442	986524	---	---	---	1,90	up
6575212	7264653	1534038	---	---	---	1,54	up
6575261	7268357	1543405	---	---	---	1,35	up
6575262	7039532	984431	---	---	---	1,03	up
6575270	7340673	1721691	---	---	---	1,04	up
6575350	7336050	1709730	---	---	---	1,24	down
6575386	7266532	1538305	---	---	---	1,40	down
6575656	7374324	1807456	---	---	---	1,38	up
6575667	7176275	1315354	---	---	---	1,38	down
6575673	7041609	989568	---	---	---	1,18	up
6575684	7233513	1457171	---	---	---	1,75	up
6575745	7258455	1518716	---	---	---	1,00	up
6575765	7344530	1731565	---	---	---	1,20	up
6575983	7289075	1594475	---	---	---	1,02	up
6575999	7070668	1057922	---	---	---	1,03	down
6576051	7363529	1777902	---	---	---	1,21	up
6576093	7068259	1051636	---	---	---	2,16	up
6576097	7219624	1422101	---	---	---	1,05	up
6576103	7075460	1069402	---	---	---	1,26	down
6576166	7030037	960707	---	---	---	1,58	up
6576178	7025310	949236	---	---	---	1,15	up
6576234	7167160	1292196	---	---	---	1,63	down
6576272	7281924	1577738	---	---	---	1,90	up
6576489	7072332	1061647	---	---	---	1,69	up
6576565	7188138	1345017	---	---	---	1,38	up
6576644	7058507	1028313	---	---	---	1,35	down
6576661	7313841	1656701	---	---	---	1,55	down
6576729	7139708	1225052	---	---	---	1,02	up

6576914	7349643	1744174	---	---	---	1,13	up
6576979	7199341	1374140	---	---	---	1,13	up
6577006	7039725	984811	---	---	---	1,66	up
6577043	7113261	1160479	---	---	---	1,07	up
6577127	7194400	1361781	---	---	---	1,20	up
6577169	7052176	1014223	---	---	---	1,52	up
6577174	7222741	1429360	---	---	---	1,38	up
6577241	7141151	1228924	---	---	---	1,40	down
6577313	7297589	1615687	---	---	---	1,29	up
6577434	7246518	1489044	---	---	---	1,02	up
6577441	7342430	1726127	---	---	---	1,32	down
6577455	7148978	1248548	---	---	---	1,05	up
6577518	7076099	1070641	---	---	---	1,10	up
6577557	7067518	1049944	---	---	---	1,02	down
6577575	7158419	1271397	---	---	---	1,05	down
6577634	7240569	1475360	---	---	---	1,00	up
6577650	7031618	964202	---	---	---	1,02	up
6577673	7374790	1808784	---	---	---	1,05	up
6577694	7041140	988293	---	---	---	3,39	down
6577707	7198210	1370981	---	---	---	1,07	down
6577799	7070511	1057476	---	---	---	1,27	up
6577811	7261766	1527159	---	---	---	1,04	up
6578077	7033337	969490	---	---	---	1,05	up
6578184	7194202	1361297	---	---	---	2,40	up
6578218	7122140	1182735	---	---	---	1,44	up
6578308	7353232	1752771	---	---	---	1,17	down
6578330	7255755	1511912	---	---	---	2,25	up
6578339	7301616	1625898	---	---	---	1,11	up
6578379	7342430	1726149	---	---	---	1,23	up
6578401	7360486	1770963	---	---	---	2,75	down
6578423	7373678	1805860	---	---	---	1,48	down
6578426	7092549	1109198	---	---	---	1,34	down
6578435	7247907	1492242	---	---	---	1,30	down
6578604	7384073	1829471	---	---	---	1,17	up
6578807	7341243	1723213	---	---	---	1,02	down
6578826	7138580	1222507	---	---	---	1,12	down
6578883	7062233	1037234	---	---	---	1,01	up
6578887	7101643	1131595	---	---	---	1,02	up
6578983	7062233	1037196	---	---	---	1,01	down
6579114	7142081	1230976	---	---	---	1,10	up
6579123	7106752	1144010	---	---	---	1,02	up
6579133	7171091	1302466	---	---	---	1,30	down
6579152	7105449	1141135	---	---	---	1,29	down
6579191	7326612	1687203	---	---	---	1,10	up
6579225	7339379	1718358	---	---	---	2,92	down
6579339	7329846	1694997	---	---	---	1,42	down
6579351	7208784	1396113	---	---	---	1,25	down
6579405	7237346	1466595	---	---	---	1,39	down
6579429	7056333	1023672	---	---	---	1,18	up
6579490	7315571	1661004	---	---	---	1,17	down
6579498	7059412	1030187	---	---	---	1,11	up
6579549	7248790	1494496	---	---	---	1,34	up
6579597	7040442	986526	---	---	---	1,04	up
6579752	7223395	1431091	---	---	---	1,07	up
6579905	7059449	1030304	---	---	---	2,01	up
6579914	7088544	1099658	---	---	---	1,97	down
6579923	7240569	1475366	---	---	---	1,00	up

6579988	7259807	1522244	---	---	---	1,08	down
6580024	7264653	1534023	---	---	---	1,02	up
6580070	7166855	1291255	---	---	---	1,06	down
6580095	7212285	1403962	---	---	---	1,03	down
6580134	7355804	1759433	---	---	---	2,11	down
6580161	7288077	1592010	---	---	---	1,06	up
6580260	7075445	1069351	---	---	---	1,02	up
6580292	7253408	1505950	---	---	---	1,52	down
6580511	7380497	1821825	---	---	---	1,00	down
6580589	7356115	1760113	---	---	---	1,02	down
6580666	7095066	1115270	---	---	---	1,95	up
6580805	7128539	1197688	---	---	---	1,07	up
6580824	7128112	1196540	---	---	---	1,42	down
6580940	7318286	1668329	---	---	---	1,08	down
6580958	7037235	978585	---	---	---	1,10	up
6580961	7086966	1095268	---	---	---	1,11	down
6580999	7300392	1622751	---	---	---	1,31	up
6581005	7088544	1099664	---	---	---	2,35	down
6581007	7355044	1757432	---	---	---	1,08	down
6581254	7217747	1417509	---	---	---	1,78	up
6581257	7067518	1049955	---	---	---	1,04	down
6581290	7366749	1785490	---	---	---	1,32	up
6581346	7082098	1084110	---	---	---	1,07	up
6581389	7127257	1194805	---	---	---	2,04	up
6581398	7217747	1417485	---	---	---	1,48	down
6581403	7267802	1541872	---	---	---	1,33	up
6581416	7148741	1247839	---	---	---	1,54	down
6581444	7059971	1031469	---	---	---	1,06	up
6581569	7231484	1451375	---	---	---	1,00	down
6581628	7209811	1398684	---	---	---	1,14	up
6581701	7069830	1055645	---	---	---	1,01	up
6581729	7209927	1398930	---	---	---	1,75	down
6581801	7175946	1314634	---	---	---	1,79	down
6581818	7070393	1057217	---	---	---	1,06	up
6581836	7081487	1082707	---	---	---	1,50	up
6581838	7307424	1641140	---	---	---	2,02	down
6581862	7081487	1082700	---	---	---	1,10	up
6581873	7247334	1490820	---	---	---	1,57	up
6581960	7373634	1805725	---	---	---	1,01	down
6581976	7061703	1035735	---	---	---	1,16	down
6582078	7058149	1027277	---	---	---	1,47	down
6582134	7193403	1359182	---	---	---	1,18	down
6582155	7029770	960158	---	---	---	1,30	down
6582258	7059506	1030393	---	---	---	2,52	up
6582322	7189404	1348190	---	---	---	2,05	down
6582382	7062436	1037682	---	---	---	1,12	up
6582395	7115146	1164937	---	---	---	1,56	down
6582506	7369939	1795606	---	---	---	2,19	up
6582579	7109292	1150726	---	---	---	1,09	up
6582610	7243647	1482477	---	---	---	1,08	down
6582634	7050716	1011223	---	---	---	1,46	up
6582659	7068942	1053391	---	---	---	1,03	down
6582664	7052813	1015941	---	---	---	1,08	up
6582666	7231484	1451359	---	---	---	1,43	up
6582899	7168979	1297196	---	---	---	1,03	down
6582951	7098867	1124958	---	---	---	1,29	down
6582965	7176275	1315346	---	---	---	1,09	down

6583036	7248790	1494567	---	---	---	1,20	down
6583126	7141061	1228643	---	---	---	1,26	down
6583204	7194400	1361759	---	---	---	1,07	up
6583209	7256070	1512580	---	---	---	3,45	down
6583216	7069603	1055049	---	---	---	1,14	up
6583383	7130889	1203865	---	---	---	1,08	up
6583466	7238115	1468627	---	---	---	1,21	up
6583504	7277759	1567293	---	---	---	1,68	down
6583525	7087282	1096170	---	---	---	1,16	down
6583533	7280743	1574517	---	---	---	1,36	down
6583704	7280743	1574497	---	---	---	1,06	up
6583740	7147809	1245449	---	---	---	1,31	down
6583745	7217434	1416405	---	---	---	1,06	up
6583812	7274892	1559581	---	---	---	1,29	down
6583838	7376566	1812861	---	---	---	1,62	down
6583939	7042382	991295	---	---	---	1,40	down
6584000	7176368	1315574	---	---	---	1,12	up
6584060	7299785	1621353	---	---	---	1,32	up
6584084	7331757	1700018	---	---	---	1,06	up
6584126	7263348	1530809	---	---	---	1,06	up
6584170	7367980	1789171	---	---	---	1,54	up
6584235	7148741	1247832	---	---	---	1,47	down
6584307	7337522	1713595	---	---	---	1,74	down
6584315	7071292	1059445	---	---	---	1,02	down
6584354	7084792	1090341	---	---	---	1,27	down
6584486	7341264	1723334	---	---	---	1,19	up
6584497	7034293	971929	---	---	---	1,04	up
6584503	7374324	1807496	---	---	---	1,07	up
6584521	7227433	1440987	---	---	---	1,03	up
6584595	7068259	1051659	---	---	---	1,25	down
6584641	7366749	1785532	---	---	---	1,60	down
6584669	7248790	1494533	---	---	---	1,99	down
6584677	7151519	1254296	---	---	---	2,08	up
6584759	7261580	1526807	---	---	---	1,23	down
6584807	7288077	1591966	---	---	---	1,30	down
6584809	7127691	1195630	---	---	---	1,62	down
6584944	7042382	991292	---	---	---	1,09	up
6585004	7385253	1832225	---	---	---	1,15	down
6585053	7121849	1181789	---	---	---	1,04	up
6585054	7217679	1417294	---	---	---	1,12	down
6585059	7052933	1016219	---	---	---	1,35	down
6585073	7188829	1346669	---	---	---	1,05	down
6585076	7364582	1780526	---	---	---	1,08	up
6585095	7302787	1628894	---	---	---	1,01	up
6585288	7120195	1177874	---	---	---	1,23	up
6585293	7207093	1392078	---	---	---	1,02	up
6585321	7351953	1749881	---	---	---	1,00	up
6585360	7068259	1051635	---	---	---	1,49	up
6585401	7142081	1230973	---	---	---	1,71	down
6585451	7380497	1821869	---	---	---	1,06	down
6585536	7128112	1196524	---	---	---	1,06	down
6585675	7378546	1817594	---	---	---	1,09	down
6585684	7121849	1181796	---	---	---	1,09	down
6585765	7253408	1505953	---	---	---	1,96	down
6585798	7337845	1714345	---	---	---	1,38	up
6585826	7196029	1365624	---	---	---	1,02	down
6585890	7354896	1756994	---	---	---	1,10	up

6585903	7052813	1015887	---	---	---	1,20	down
6585970	7116540	1168645	---	---	---	1,05	up
6586049	7032094	965719	---	---	---	1,06	down
6586262	7337425	1713201	---	---	---	1,03	down
6586263	7087965	1098018	---	---	---	1,39	down
6586312	7344380	1731122	---	---	---	1,09	down
6586386	7267204	1539856	---	---	---	1,06	down
6586395	7050716	1011224	---	---	---	1,12	down
6586472	7198210	1370990	---	---	---	1,06	down
6586550	7177180	1317778	---	---	---	1,18	down
6586634	7261592	1526843	---	---	---	1,42	down
6586657	7069142	1053873	---	---	---	1,05	down
6586675	7380878	1822578	---	---	---	1,14	down
6586718	7336837	1711610	---	---	---	2,13	down
6586920	7034356	972176	---	---	---	1,12	down
6587032	7217679	1417296	---	---	---	1,66	down
6587071	7247005	1490116	---	---	---	1,31	down
6587150	7050878	1011547	---	---	---	1,01	down
6587231	7181193	1328289	---	---	---	1,16	up
6587250	7289382	1595205	---	---	---	1,10	down
6587286	7244027	1483283	---	---	---	1,25	down
6587297	7373633	1805702	---	---	---	1,33	down
6587328	7247230	1490579	---	---	---	2,08	up
6587358	7073677	1065151	---	---	---	1,75	up
6587382	7247672	1491756	---	---	---	1,11	up
6587388	7292517	1602556	---	---	---	1,40	down
6587451	7276650	1564140	---	---	---	1,03	down
6587478	7166867	1291348	---	---	---	1,46	down
6587505	7295652	1610252	---	---	---	1,02	up
6587696	7358859	1766980	---	---	---	1,03	up
6587717	7189669	1348977	---	---	---	1,14	up
6587719	7078605	1076351	---	---	---	1,82	down
6587922	7247230	1490578	---	---	---	1,05	down
6587930	7213908	1407671	---	---	---	1,09	down
6587978	7039223	983567	---	---	---	1,56	up
6588060	7365183	1781905	---	---	---	1,22	up
6588062	7261019	1525281	---	---	---	1,05	up
6588134	7280743	1574481	---	---	---	1,24	up
6588312	7238115	1468641	---	---	---	1,06	down
6588321	7050878	1011550	---	---	---	1,15	down
6588326	7131718	1205744	---	---	---	1,14	up
6588345	7114274	1162819	---	---	---	1,47	down
6588357	7056333	1023682	---	---	---	1,15	down
6588359	7279303	1571203	---	---	---	1,94	down
6588361	7070869	1058499	---	---	---	1,32	up
6588511	7059020	1029354	---	---	---	1,27	down
6588696	7282343	1578678	---	---	---	1,34	down
6588723	7281577	1576885	---	---	---	1,23	down
6588742	7052933	1016211	---	---	---	1,01	up
6588859	7280743	1574475	---	---	---	1,02	up
6588907	7070393	1057214	---	---	---	1,26	up
6589040	7041609	989557	---	---	---	1,23	down
6589078	7272110	1553078	---	---	---	1,25	down
6589135	7181001	1327620	---	---	---	1,58	up
6589142	7259221	1520620	---	---	---	1,11	up
6589186	7115507	1165980	---	---	---	1,50	up
6589280	7069253	1054157	---	---	---	1,15	up

6589331	7312569	1653342	---	---	---	1,08	up
6589378	7257976	1517712	---	---	---	1,00	down
6589427	7384073	1829470	---	---	---	1,06	up
6589462	7295410	1609779	---	---	---	2,08	up
6589550	7212698	1404870	---	---	---	1,14	up
6589862	7280743	1574553	---	---	---	1,25	down
6589900	7107503	1145773	---	---	---	1,17	up
6589954	7355044	1757444	---	---	---	1,35	up
6589965	7146542	1242211	---	---	---	1,27	up
6589990	7326245	1686401	---	---	---	1,06	up
6590074	7212587	1404657	---	---	---	1,22	down
6590117	7353284	1752983	---	---	---	1,02	down
6590126	7371753	1800971	---	---	---	2,17	down
6590300	7357026	1762223	---	---	---	1,13	down
6590373	7376828	1813467	---	---	---	1,37	up
6590382	7280570	1574100	---	---	---	1,25	down
6590420	7285563	1586043	---	---	---	1,10	down
6590431	7336837	1711618	---	---	---	1,38	up
6590465	7041486	989217	---	---	---	1,05	down
6590482	7367969	1789105	---	---	---	2,40	down
6590711	7154535	1261901	---	---	---	2,41	up
6590924	7337224	1712599	---	---	---	1,16	down
6590941	7101258	1130562	---	---	---	1,00	down
6591002	7351568	1748855	---	---	---	1,18	up
6591003	7358859	1766974	---	---	---	1,25	up
6591064	7040674	987022	---	---	---	2,29	up
6591076	7043379	993641	---	---	---	1,42	down
6591100	7056736	1024418	---	---	---	1,99	down
6591128	7176275	1315338	---	---	---	1,02	up
6591156	7181193	1328288	---	---	---	1,11	down
6591190	7084193	1089055	---	---	---	1,36	up
6591211	7366749	1785481	---	---	---	1,29	up
6591306	7027350	954942	---	---	---	1,89	down
6591384	7103017	1135156	---	---	---	1,17	up
6591517	7056025	1022800	---	---	---	1,08	down
6591684	7274780	1559244	---	---	---	1,21	down
6591792	7363147	1777004	---	---	---	1,02	up
6591823	7156978	1268178	---	---	---	2,08	down
6591877	7086522	1093943	---	---	---	1,07	up
6591948	7097305	1120448	---	---	---	2,13	down
6592026	7198325	1371352	---	---	---	1,19	down
6592151	7371677	1800755	---	---	---	1,52	down
6592306	7295410	1609733	---	---	---	1,06	down
6592376	7128539	1197698	---	---	---	1,42	up
6592393	7171091	1302460	---	---	---	2,04	down
6592452	7339286	1718104	---	---	---	1,05	up
6592474	7131876	1206056	---	---	---	1,03	up
6592505	7113483	1160995	---	---	---	1,04	down
6592680	7194540	1362112	---	---	---	2,47	up
6592685	7384073	1829471	---	---	---	1,08	up
6592855	7240569	1475458	---	---	---	1,74	down
6593102	7321746	1676234	---	---	---	1,11	up
6593263	7069721	1055287	---	---	---	1,01	down
6593279	7289879	1596429	---	---	---	1,54	down
6593343	7267953	1542235	---	---	---	1,88	down
6593633	7093296	1110968	---	---	---	1,23	down
6593782	7067828	1050798	---	---	---	1,30	down

6593814	7075445	1069357	---	---	---	1,38	down
6593858	7330238	1695948	---	---	---	1,22	down
6593934	7319486	1670926	---	---	---	2,13	down
6593935	7297274	1614657	---	---	---	1,56	down
6593952	7113483	1161023	---	---	---	1,23	down
6593992	7172691	1306443	---	---	---	1,43	up
6594002	7247672	1491753	---	---	---	1,39	down
6594014	7378997	1818678	---	---	---	1,26	up
6594077	7312532	1653222	---	---	---	1,20	down
6594189	7059584	1030557	---	---	---	1,53	down
6594224	7306330	1638506	---	---	---	1,45	down
6594256	7326612	1687186	---	---	---	1,21	up
6594319	7363529	1777935	---	---	---	1,02	up
6594384	7043379	993638	---	---	---	1,48	up
6594469	7200129	1375997	---	---	---	1,02	up
6594506	7075445	1069358	---	---	---	1,01	up
6594542	7336039	1709684	---	---	---	1,12	down
6594550	7059020	1029352	---	---	---	1,33	up
6594574	7320735	1674167	---	---	---	1,19	up
6594686	7279303	1571205	---	---	---	1,56	down
6594752	7303947	1632388	---	---	---	1,62	down
6594799	7030454	961546	---	---	---	1,06	up
6594831	7092549	1109169	---	---	---	1,26	down
6594953	7233513	1457174	---	---	---	1,34	up
6595092	7122140	1182710	---	---	---	1,15	up
6595107	7127691	1195630	---	---	---	1,40	up
6595154	7288170	1592321	---	---	---	1,13	down
6595342	7298920	1618822	---	---	---	1,01	up
6595562	7295410	1609765	---	---	---	1,11	up
6595700	7225339	1435430	---	---	---	1,32	up
6595756	7269911	1546905	---	---	---	1,08	down
6596054	7146807	1242809	---	---	---	1,26	up
6596055	7326612	1687187	---	---	---	1,05	down
6596072	7142416	1231814	---	---	---	1,95	up
6596097	7087965	1098038	---	---	---	1,10	up
6596106	7031618	964206	---	---	---	1,01	up
6596259	7148741	1247841	---	---	---	1,22	down
6596365	7252728	1504321	---	---	---	1,01	up
6596385	7380497	1821847	---	---	---	1,26	down
6596392	7096924	1119615	---	---	---	1,36	up
6596527	7039463	984254	---	---	---	1,60	down
6596624	7071714	1060364	---	---	---	1,08	down
6596628	7027797	956281	---	---	---	1,55	up
6596678	7177520	1318612	---	---	---	1,04	down
6596805	7188829	1346667	---	---	---	1,00	up
6596808	7295652	1610300	---	---	---	1,08	up
6596825	7184151	1335956	---	---	---	1,47	up
6596839	7235069	1460990	---	---	---	1,19	down
6596858	7267802	1541743	---	---	---	1,12	up
6597001	7050167	1009827	---	---	---	1,07	up
6597007	7378546	1817609	---	---	---	1,03	up
6597122	7039223	983552	---	---	---	1,09	down
6597173	7038530	981858	---	---	---	1,25	down
6597260	7339834	1719545	---	---	---	1,31	up
6597346	7266532	1538309	---	---	---	1,25	down
6597371	7228530	1443826	---	---	---	1,08	down
6597400	7282927	1580011	---	---	---	1,14	down

6597488	7109292	1150745	---	---	---	1,16	down
6597516	7146542	1242279	---	---	---	1,40	down
6597645	7148978	1248480	---	---	---	1,01	down
6597832	7225543	1435919	---	---	---	1,27	down
6597920	7340263	1720760	---	---	---	1,07	up
6597934	7254040	1507607	---	---	---	1,39	up
6598076	7069830	1055615	---	---	---	1,06	up
6598103	7078143	1075452	---	---	---	1,63	up
6598187	7108434	1148312	---	---	---	1,04	down
6598473	7383823	1828945	---	---	---	1,66	down
6598522	7267204	1539864	---	---	---	1,25	up
6598608	7049793	1009016	---	---	---	1,01	up
6598674	7071648	1060194	---	---	---	1,42	down
6598718	7256191	1512862	---	---	---	1,32	up
6598907	7288077	1591962	---	---	---	1,45	up
6598983	7210822	1400970	---	---	---	1,08	up
6599043	7030127	960858	---	---	---	1,04	up
6599067	7209927	1398922	---	---	---	1,51	down
6599155	7089080	1101134	---	---	---	1,27	up
6599194	7149817	1250312	---	---	---	1,26	down
6599217	7380497	1821872	---	---	---	1,24	up
6599344	7363529	1777894	---	---	---	1,04	up
6599356	7380878	1822563	---	---	---	1,00	down
6599364	7291853	1600977	---	---	---	2,43	down
6599439	7196769	1367271	---	---	---	1,05	down
6599735	7060896	1033545	---	---	---	1,18	up
6599869	7071264	1059362	---	---	---	1,18	down
6599886	7289075	1594471	---	---	---	1,25	down
6599949	7172988	1307294	---	---	---	1,06	up
6600009	7227474	1441149	---	---	---	1,19	down
6600021	7227474	1441160	---	---	---	1,08	down
6600036	7363147	1776998	---	---	---	1,44	up
6600073	7213908	1407768	---	---	---	1,07	down
6600111	7280982	1575183	---	---	---	1,27	up
6600168	7166855	1291249	---	---	---	1,16	up
6600195	7083030	1086262	---	---	---	1,05	down
6600255	7294911	1608528	---	---	---	1,07	down
6600409	7039725	984814	---	---	---	2,23	up
6600431	7182679	1332419	---	---	---	1,49	down
6600467	7093255	1110760	---	---	---	1,01	up
6600751	7131766	1205864	---	---	---	1,28	down
6600770	7194400	1361710	---	---	---	1,08	down
6600822	7303777	1631918	---	---	---	1,00	down
6600831	7031774	964727	---	---	---	1,17	up
6601006	7350237	1745485	---	---	---	1,18	down
6601141	7068259	1051655	---	---	---	1,08	down
6601162	7267204	1539850	---	---	---	1,12	down
6601266	7073950	1065907	---	---	---	2,20	up
6601360	7078143	1075433	---	---	---	1,33	down
6601378	7279881	1572709	---	---	---	1,04	up
6601389	7293234	1604352	---	---	---	1,01	up
6601437	7363674	1778434	---	---	---	1,18	down
6601445	7120427	1178427	---	---	---	1,22	up
6601465	7223395	1431074	---	---	---	1,32	down
6601469	7198210	1370966	---	---	---	1,22	down
6601919	7032204	966152	---	---	---	1,35	up
6601984	7058507	1028315	---	---	---	1,05	up

6601985	7056333	1023685	---	---	---	1,21	down
6601993	7282927	1580011	---	---	---	1,18	up
6602020	7067670	1050311	---	---	---	2,01	up
6602249	7112672	1158995	---	---	---	1,91	down
6602333	7319259	1670389	---	---	---	2,11	down
6602440	7383586	1828439	---	---	---	1,21	down
6602442	7337845	1714336	---	---	---	1,30	up
6602445	7274780	1559251	---	---	---	1,11	down
6602581	7059766	1030974	---	---	---	1,37	down
6602609	7263348	1530810	---	---	---	1,24	up
6602635	7329136	1693554	---	---	---	1,02	up
6602643	7266778	1538857	---	---	---	1,58	up
6602673	7123421	1185828	---	---	---	1,68	down
6602675	7123714	1186421	---	---	---	1,00	down
6602893	7088164	1098492	---	---	---	1,09	down
6602912	7027350	954943	---	---	---	2,26	up
6602968	7260488	1523931	---	---	---	1,11	down
6603010	7156047	1265733	---	---	---	1,10	up
6603057	7340757	1721890	---	---	---	1,24	up
6603205	7065357	1044741	---	---	---	1,25	down
6603225	7243363	1481627	---	---	---	1,10	down
6603333	7326612	1687188	---	---	---	1,30	up
6603437	7048444	1006488	---	---	---	1,56	up
6603587	7288284	1592650	---	---	---	1,34	down
6603610	7062233	1037238	---	---	---	1,42	up
6603635	7365183	1781900	---	---	---	1,05	up
6603702	7350530	1746237	---	---	---	1,02	down
6603705	7263805	1532196	---	---	---	1,41	up
6603713	7097454	1120881	---	---	---	1,01	up
6603763	7278010	1568047	---	---	---	1,20	up
6603784	7094139	1112912	---	---	---	1,31	down
6603934	7315206	1660018	---	---	---	2,72	up
6603935	7353232	1752698	---	---	---	1,27	down
6603952	7245874	1487596	---	---	---	1,74	down
6604059	7207292	1392627	---	---	---	1,58	down
6604113	7377116	1814072	---	---	---	1,03	up
6604200	7041609	989559	---	---	---	1,01	up
6604201	7360486	1771012	---	---	---	1,17	down
6604273	7196331	1366390	---	---	---	1,23	down
6604583	7146093	1240939	---	---	---	1,91	up
6604736	7079238	1077807	---	---	---	1,44	down
6604846	7222236	1428113	---	---	---	1,05	up
6604849	7059449	1030306	---	---	---	1,45	down
6604858	7252339	1503336	---	---	---	1,13	up
6604891	7243253	1481223	---	---	---	1,33	up
6604958	7148741	1247825	---	---	---	1,08	up
6604995	7211830	1402916	---	---	---	1,02	up
6605020	7360213	1770193	---	---	---	1,07	up
6605072	7341546	1723961	---	---	---	1,03	down
6605090	7298692	1618403	---	---	---	1,14	up
6605136	7243894	1482953	---	---	---	2,41	down
6605200	7148741	1247857	---	---	---	1,52	down
6605476	7218728	1419915	---	---	---	1,32	down
6605484	7317318	1665817	---	---	---	1,92	up
6605578	7366749	1785495	---	---	---	1,17	down
6605762	7177520	1318612	---	---	---	1,08	down
6605771	7313538	1655731	---	---	---	1,07	down

6605791	7158920	1272523	---	---	---	1,25	down
6605810	7264808	1534466	---	---	---	1,10	up
6605900	7059449	1030307	---	---	---	1,39	up
6605951	7240569	1475453	---	---	---	1,69	down
6606023	7350237	1745494	---	---	---	1,12	up
6606073	7156052	1265763	---	---	---	1,07	up
6606076	7350237	1745487	---	---	---	2,18	up
6606246	7205944	1389491	---	---	---	1,22	down
6606273	7043515	994004	---	---	---	1,74	up
6606302	7350886	1747149	---	---	---	1,14	down
6606424	7144389	1236777	---	---	---	1,06	down
6606519	7235323	1461557	---	---	---	1,19	down
6606561	7039223	983557	---	---	---	1,47	down
6606711	7280743	1574533	---	---	---	1,07	down
6606728	7042382	991286	---	---	---	1,11	down
6606757	7040442	986556	---	---	---	1,80	down
6606759	7314270	1657745	---	---	---	1,52	down
6606786	7078982	1077349	---	---	---	1,01	up
6606791	7092406	1108782	---	---	---	1,13	up
6606819	7240569	1475385	---	---	---	1,08	up
6606888	7232958	1455287	---	---	---	1,33	up
6606934	7384073	1829474	---	---	---	1,03	down
6607059	7166867	1291318	---	---	---	1,01	down
6607119	7383655	1828573	---	---	---	1,12	up
6607131	7111361	1155580	---	---	---	1,00	up
6607148	7339379	1718312	---	---	---	1,15	up
6607225	7076160	1070910	---	---	---	1,31	up
6607269	7326271	1686472	---	---	---	1,02	down
6607325	7142321	1231541	---	---	---	1,09	down
6607332	7196803	1367333	---	---	---	2,44	up
6607419	7239752	1473160	---	---	---	1,10	up
6607453	7155286	1263908	---	---	---	1,34	down
6607461	7238115	1468590	---	---	---	1,04	down
6607571	7132125	1206601	---	---	---	1,03	down
6607659	7108434	1148318	---	---	---	1,39	up
6607763	7225543	1435935	---	---	---	1,00	down
6607825	7253215	1505369	---	---	---	1,93	down
6607877	7102510	1133874	---	---	---	1,12	up
6608023	7277742	1567167	---	---	---	1,35	up
6608155	7059766	1030970	---	---	---	1,40	up
6608180	7038179	981264	---	---	---	1,01	up
6608206	7354935	1757098	---	---	---	1,03	up
6608249	7149817	1250307	---	---	---	1,27	up
6608323	7035525	974791	---	---	---	1,01	up
6608438	7113483	1161000	---	---	---	1,47	up
6608465	7095021	1115132	---	---	---	1,03	down
6608529	7194400	1361773	---	---	---	1,64	up
6608614	7069830	1055596	---	---	---	1,08	up
6608625	7071648	1060195	---	---	---	1,09	up
6608632	7364346	1779983	---	---	---	1,06	down
6608660	7323869	1680887	---	---	---	2,21	up
6608754	7207069	1392027	---	---	---	1,46	down
6608777	7182056	1330579	---	---	---	1,15	down
6608855	7030519	961702	---	---	---	1,03	down
6608940	7196331	1366390	---	---	---	1,22	up
6608985	7033673	970376	---	---	---	1,02	down
6609034	7247512	1491204	---	---	---	1,08	up

6609065	7033006	968480	---	---	---	1,16	down
6609078	7229061	1445325	---	---	---	1,02	down
6609107	7080563	1080717	---	---	---	1,27	down
6609169	7351949	1749804	---	---	---	2,02	down
6609193	7028624	957995	---	---	---	1,37	up
6609233	7322260	1677077	---	---	---	1,01	down
6609348	7381090	1822989	---	---	---	1,03	up
6609397	7197056	1367848	---	---	---	1,29	down
6609447	7294911	1608529	---	---	---	1,59	up
6609448	7329135	1693489	---	---	---	2,36	down
6609473	7083355	1086920	---	---	---	1,16	down
6609562	7150047	1250776	---	---	---	1,04	down
6609598	7102708	1134318	---	---	---	2,56	up
6609618	7252382	1503510	---	---	---	1,40	down
6609692	7260488	1523933	---	---	---	2,24	down
6609860	7059766	1030972	---	---	---	1,97	up
6610115	7213908	1407732	---	---	---	1,00	down
6610200	7088544	1099687	---	---	---	1,36	up
6610239	7340304	1720865	---	---	---	1,58	down
6610261	7279533	1571917	---	---	---	1,17	down
6610270	7069253	1054164	---	---	---	1,06	down
6610324	7095041	1115179	---	---	---	1,11	up
6610497	7136062	1216276	---	---	---	1,93	up
6610576	7152915	1257443	---	---	---	1,45	down
6610577	7339379	1718361	---	---	---	1,30	down
6610595	7181001	1327617	---	---	---	1,16	up
6610861	7105780	1141705	---	---	---	1,06	down
6610892	7176368	1315584	---	---	---	1,49	down
6611039	7361042	1772279	---	---	---	1,70	up
6611097	7381330	1823620	---	---	---	2,23	up
6611127	7274780	1559234	---	---	---	1,29	down
6611164	7096461	1118264	---	---	---	1,21	up
6611373	7341002	1722533	---	---	---	2,13	up
6611434	7236460	1464464	---	---	---	1,58	down
6611482	7302327	1627670	---	---	---	1,51	down
6611523	7039725	984824	---	---	---	1,26	up
6611671	7281577	1576888	---	---	---	1,12	down
6611706	7207093	1392112	---	---	---	1,51	down
6611723	7293402	1604805	---	---	---	1,02	up
6611772	7368555	1791241	---	---	---	1,21	up
6611786	7274780	1559256	---	---	---	1,60	down
6611890	7070836	1058340	---	---	---	1,30	up
6611965	7339732	1719210	---	---	---	2,07	up
6612040	7041319	988752	---	---	---	2,11	up
6612042	7327169	1688457	---	---	---	1,38	up
6612080	7139708	1225051	---	---	---	1,91	down
6612089	7180943	1327442	---	---	---	1,01	up
6612105	7059020	1029338	---	---	---	2,10	up
6612116	7268357	1543390	---	---	---	1,21	down
6612396	7196187	1365952	---	---	---	1,12	up
6612471	7069721	1055304	---	---	---	1,22	down
6612549	7369712	1794833	---	---	---	1,27	up
6612588	7101258	1130571	---	---	---	1,16	up
6612610	7120235	1177959	---	---	---	1,50	up
6612626	7252339	1503334	---	---	---	1,28	up
6612877	7031774	964662	---	---	---	1,49	up
6612942	7099294	1126098	---	---	---	1,20	up

6612944	7039532	984429	---	---	---	1,07	down
6612986	7113085	1159997	---	---	---	1,04	down
6613051	7052385	1014778	---	---	---	1,17	down
6613078	7133484	1209943	---	---	---	1,86	up
6613366	7181193	1328305	---	---	---	1,12	down
6613417	7059506	1030392	---	---	---	1,02	up
6613420	7194540	1362112	---	---	---	1,15	down
6613587	7052331	1014567	---	---	---	1,18	down
6613633	7099973	1127535	---	---	---	1,61	down
6613658	7330396	1696369	---	---	---	1,14	up
6613749	7056736	1024420	---	---	---	1,18	down
6613764	7060896	1033618	---	---	---	1,08	up
6613804	7155866	1265333	---	---	---	1,09	up
6613845	7279593	1572103	---	---	---	1,63	down
6613850	7355044	1757431	---	---	---	1,03	up
6613899	7040442	986512	---	---	---	1,43	down
6613915	7069253	1054154	---	---	---	1,07	down
6613973	7210822	1400975	---	---	---	1,10	down
6614057	7067828	1050782	---	---	---	1,11	up
6614203	7115362	1165613	---	---	---	1,23	up
6614221	7259923	1522525	---	---	---	2,77	up
6614251	7247230	1490594	---	---	---	1,37	up
6614399	7210702	1400724	---	---	---	1,17	up
6614431	7088164	1098479	---	---	---	1,56	up
6614459	7318596	1668925	---	---	---	1,00	down
6614470	7088164	1098481	---	---	---	3,00	down
6614490	7285239	1585483	---	---	---	1,08	up
6614506	7356619	1761349	---	---	---	1,89	up
6614531	7250671	1499026	---	---	---	2,84	up
6614535	7341038	1722683	---	---	---	1,05	down
6614720	7318286	1668328	---	---	---	1,11	up
6614745	7193403	1359195	---	---	---	1,04	down
6614780	7228530	1443902	---	---	---	1,01	up
6614792	7155866	1265336	---	---	---	1,17	up
6614814	7361881	1773942	---	---	---	2,07	up
6614817	7113483	1161022	---	---	---	1,12	up
6614897	7210822	1400969	---	---	---	1,11	up
6614935	7059020	1029341	---	---	---	1,44	up
6615217	7108434	1148316	---	---	---	1,29	down
6615317	7041584	989465	---	---	---	1,66	up
6615337	7233178	1455899	---	---	---	1,16	down
6615393	7344406	1731204	---	---	---	1,21	up
6615507	7231484	1451390	---	---	---	1,27	down
6615571	7302787	1628903	---	---	---	1,65	down
6615589	7190534	1351229	---	---	---	1,41	down
6615659	7100210	1128144	---	---	---	1,60	down
6615706	7376820	1813423	---	---	---	1,69	up
6615721	7282831	1579769	---	---	---	1,02	up
6615732	7181105	1327967	---	---	---	1,34	down
6615809	7130917	1203941	---	---	---	2,47	up
6615920	7086044	1092951	---	---	---	2,16	down
6616057	7177428	1318396	---	---	---	1,36	down
6616075	7067828	1050783	---	---	---	1,05	down
6616227	7344380	1731136	---	---	---	1,22	down
6616430	7055876	1022521	---	---	---	1,65	down
6616525	7339379	1718329	---	---	---	1,25	up
6616608	7269637	1546236	---	---	---	2,08	down

6616731	7096589	1118529	---	---	---	1,32	down
6616841	7244027	1483282	---	---	---	1,08	down
6616856	7377457	1815072	---	---	---	2,06	down
6616992	7038153	981156	---	---	---	1,20	up
6617036	7084500	1089703	---	---	---	1,21	down
6617069	7368815	1792312	---	---	---	1,20	up
6617072	7172691	1306453	---	---	---	1,25	down
6617111	7037495	979314	---	---	---	1,27	down
6617141	7364346	1779965	---	---	---	1,24	down
6617266	7035525	974767	---	---	---	1,49	down
6617269	7069603	1055050	---	---	---	1,04	down
6617270	7349817	1744644	---	---	---	1,02	down
6617277	7168979	1297187	---	---	---	1,13	down
6617278	7248790	1494485	---	---	---	1,21	up
6617416	7133484	1209946	---	---	---	1,31	up
6617431	7318084	1667937	---	---	---	1,10	down
6617553	7384509	1830755	---	---	---	1,13	up
6617572	7353382	1753219	---	---	---	1,73	up
6617725	7302018	1626962	---	---	---	1,17	down
6617788	7339732	1719238	---	---	---	2,17	down
6617828	7146542	1242295	---	---	---	1,41	down
6617855	7280570	1574099	---	---	---	1,01	down
6617909	7093835	1112254	---	---	---	1,32	down
6617917	7128112	1196568	---	---	---	1,07	down
6617932	7193987	1360669	---	---	---	1,15	up
6618012	7267362	1540337	---	---	---	2,69	up
6618052	7355138	1757853	---	---	---	1,05	up
6618177	7207069	1392009	---	---	---	1,10	up
6618189	7078666	1076513	---	---	---	1,11	down
6618199	7274892	1559554	---	---	---	1,01	down
6618204	7031774	964690	---	---	---	1,41	up
6618273	7142770	1232669	---	---	---	1,49	down
6618282	7147809	1245467	---	---	---	1,77	down
6618314	7240569	1475513	---	---	---	1,17	up
6618322	7340757	1721892	---	---	---	1,06	down
6618328	7170764	1301490	---	---	---	1,24	down
6618469	7160687	1277016	---	---	---	1,03	down
6618490	7194540	1362092	---	---	---	1,06	down
6618546	7132125	1206636	---	---	---	1,07	up
6618601	7066035	1046198	---	---	---	1,19	down
6618611	7099294	1126103	---	---	---	1,17	up
6618886	7310851	1649638	---	---	---	1,31	down
6618915	7358859	1766965	---	---	---	1,01	down
6619026	7337425	1713175	---	---	---	1,31	down
6619138	7336050	1709731	---	---	---	1,01	up
6619298	7222236	1428116	---	---	---	1,07	down
6619304	7082098	1084123	---	---	---	2,13	down
6619384	7073677	1065158	---	---	---	1,37	down
6619389	7280743	1574514	---	---	---	1,04	up
6619542	7248790	1494525	---	---	---	1,04	up
6619627	7146245	1241378	---	---	---	1,00	up
6619631	7286807	1588822	---	---	---	1,04	down
6619686	7351844	1749491	---	---	---	1,04	down
6619694	7205944	1389465	---	---	---	1,04	up
6619713	7341274	1723393	---	---	---	1,38	up
6619753	7276650	1564135	---	---	---	1,09	up
6619815	7093936	1112472	---	---	---	1,03	up

6619857	7365183	1781919	---	---	---	1,00	down
6619863	7339379	1718351	---	---	---	1,38	down
6619906	7115507	1165970	---	---	---	1,15	down
6619914	7363768	1778604	---	---	---	1,34	down
6620105	7156372	1266705	---	---	---	1,04	up
6620198	7337425	1713218	---	---	---	1,52	down
6620269	7373678	1805859	---	---	---	1,09	down
6620303	7155866	1265337	---	---	---	1,09	down
6620311	7217434	1416428	---	---	---	1,64	up
6620333	7032094	965812	---	---	---	1,18	up
6620463	7280425	1573807	---	---	---	1,03	up
6620541	7309738	1646946	---	---	---	1,11	up
6620581	7247230	1490566	---	---	---	1,17	down
6620669	7248790	1494486	---	---	---	1,06	up
6620934	7313841	1656733	---	---	---	1,12	down
6620939	7142917	1233174	---	---	---	1,51	up
6620941	7082098	1084122	---	---	---	1,28	down
6620976	7030037	960717	---	---	---	1,09	down
6621103	7293922	1605958	---	---	---	1,15	up
6621173	7265259	1535437	---	---	---	1,43	up
6621253	7191866	1354898	---	---	---	1,08	up
6621286	7341264	1723351	---	---	---	1,03	up
6621396	7193914	1360444	---	---	---	1,09	down
6621466	7142917	1233179	---	---	---	1,70	up
6621485	7374740	1808633	---	---	---	1,41	down
6621573	7320068	1672643	---	---	---	1,04	down
6621734	7309646	1646489	---	---	---	1,42	down
6621829	7132263	1206897	---	---	---	1,19	up
6621936	7309734	1646911	---	---	---	1,67	down
6621967	7211389	1402112	---	---	---	1,03	up
6622047	7350993	1747515	---	---	---	1,02	down
6622056	7143455	1234733	---	---	---	1,44	down
6622130	7343052	1727503	---	---	---	1,08	down
6622209	7240569	1475327	---	---	---	1,54	down
6622219	7197820	1370087	---	---	---	1,64	down
6622252	7179785	1324498	---	---	---	1,77	down
6622330	7053786	1018131	---	---	---	1,08	up
6622408	7337425	1713143	---	---	---	1,02	up
6622546	7231137	1450200	---	---	---	2,59	up
6622569	7058713	1028667	---	---	---	1,17	down
6622581	7040442	986564	---	---	---	1,05	up
6622735	7238153	1468823	---	---	---	1,06	up
6622756	7266778	1538854	---	---	---	1,41	up
6622847	7146542	1242295	---	---	---	1,09	up
6622882	7320998	1674717	---	---	---	1,05	down
6622884	7344530	1731567	---	---	---	1,30	up
6622927	7148741	1247872	---	---	---	1,60	down
6622988	7222236	1428113	---	---	---	2,17	up
6623064	7208784	1396143	---	---	---	1,04	down
6623066	7116540	1168636	---	---	---	1,93	down
6623107	7094158	1112974	---	---	---	2,01	down
6623140	7253408	1505934	---	---	---	1,14	up
6623149	7205944	1389475	---	---	---	1,06	down
6623183	7193056	1358269	---	---	---	1,60	down
6623266	7324760	1683097	---	---	---	1,05	up
6623272	7373633	1805697	---	---	---	1,61	down
6623346	7280743	1574540	---	---	---	1,62	down

6623432	7092549	1109143	---	---	---	1,48	down
6623515	7305174	1635451	---	---	---	6,61	down
6623664	7184931	1337724	---	---	---	1,37	up
6623793	7106752	1144048	---	---	---	1,28	down
6623853	7177520	1318614	---	---	---	1,33	up
6624109	7142416	1231792	---	---	---	2,14	up
6624123	7174114	1310420	---	---	---	1,74	up
6624202	7039821	985071	---	---	---	1,68	down
6624248	7186688	1341845	---	---	---	1,03	up
6624281	7083355	1086912	---	---	---	1,12	up
6624313	7286807	1588816	---	---	---	1,08	down
6624338	7127540	1195277	---	---	---	1,24	up
6624361	7366728	1785432	---	---	---	1,38	down
6624365	7044349	996704	---	---	---	1,80	up
6624444	7071969	1060895	---	---	---	1,49	up
6624537	7289597	1595868	---	---	---	1,04	down
6624541	7337845	1714352	---	---	---	1,45	down
6624549	7069603	1055057	---	---	---	1,51	down
6624665	7128539	1197667	---	---	---	1,17	up
6624669	7171091	1302459	---	---	---	1,03	up
6624701	7097454	1120875	---	---	---	1,67	up
6624774	7224182	1432763	---	---	---	1,35	down
6624965	7230886	1449579	---	---	---	1,46	up
6625148	7208330	1395089	---	---	---	1,87	down
6625202	7280743	1574513	---	---	---	1,14	down
6625210	7106752	1143984	---	---	---	2,32	up
6625263	7120827	1179353	---	---	---	1,09	up
6625312	7340304	1720852	---	---	---	1,44	down
6625384	7260579	1524190	---	---	---	1,56	up
6625404	7147809	1245448	---	---	---	1,13	down
6625497	7282831	1579762	---	---	---	1,38	up
6625546	7298101	1617095	---	---	---	1,03	down
6625551	7336039	1709684	---	---	---	1,08	up
6625569	7190242	1350301	---	---	---	1,56	up
6625598	7333333	1703389	---	---	---	1,07	up
6625628	7027797	956280	---	---	---	1,78	up
6625652	7186240	1340828	---	---	---	1,03	up
6625720	7127257	1194809	---	---	---	1,26	up
6625788	7177834	1319636	---	---	---	1,34	down
6625896	7363674	1778435	---	---	---	1,25	down
6625903	7230886	1449522	---	---	---	1,00	down
6625948	7083030	1086272	---	---	---	1,04	up
6625966	7277783	1567470	---	---	---	1,34	down
6625968	7059449	1030305	---	---	---	1,08	up
6625991	7189669	1348993	---	---	---	1,07	down
6626006	7249015	1495050	---	---	---	1,57	up
6626067	7292517	1602547	---	---	---	1,03	up
6626102	7081487	1082698	---	---	---	1,06	down
6626130	7043515	994017	---	---	---	1,05	up
6626202	7072429	1061866	---	---	---	1,19	up
6626396	7267802	1541835	---	---	---	1,25	down
6626403	7033504	969851	---	---	---	1,21	down
6626418	7182739	1332588	---	---	---	1,09	down
6626539	7269763	1546532	---	---	---	1,09	up
6626569	7248790	1494501	---	---	---	1,93	up
6626608	7313538	1655730	---	---	---	1,11	up
6626725	7373038	1804293	---	---	---	1,29	down

6626749	7236358	1464245	---	---	---	1,35	down
6626778	7088164	1098492	---	---	---	1,88	up
6626825	7118234	1172841	---	---	---	1,12	down
6627116	7059648	1030674	---	---	---	1,01	down
6627144	7309738	1646946	---	---	---	1,03	up
6627239	7380878	1822554	---	---	---	1,21	up
6627327	7312566	1653300	---	---	---	1,49	down
6627367	7267802	1541739	---	---	---	1,02	up
6627368	7198087	1370724	---	---	---	1,81	down
6627413	7381330	1823642	---	---	---	1,40	down
6627444	7128704	1198029	---	---	---	2,11	down
6627499	7240569	1475444	---	---	---	1,02	down
6627587	7363674	1778431	---	---	---	1,07	down
6627634	7276650	1564132	---	---	---	1,24	down
6627639	7050167	1009822	---	---	---	1,01	down
6627802	7088625	1099863	---	---	---	1,14	down
6627826	7116023	1167299	---	---	---	1,10	down
6627827	7062233	1037200	---	---	---	1,05	up
6627830	7289075	1594454	---	---	---	1,06	down
6627999	7236131	1463785	---	---	---	1,79	down
6628005	7226521	1438723	---	---	---	1,45	up
6628119	7337425	1713197	---	---	---	1,21	up
6628147	7033337	969486	---	---	---	1,07	down
6628267	7156052	1265768	---	---	---	1,21	down
6628270	7257893	1517466	---	---	---	1,05	up
6628288	7106752	1143999	---	---	---	1,20	up
6628300	7118234	1172845	---	---	---	1,20	down
6628316	7217747	1417464	---	---	---	1,17	up
6628321	7109730	1151719	---	---	---	1,29	down
6628378	7231484	1451378	---	---	---	1,04	up
6628478	7302860	1629009	---	---	---	1,74	up
6628494	7038153	981152	---	---	---	1,04	up
6628544	7373678	1805853	---	---	---	1,02	up
6628567	7337845	1714331	---	---	---	1,01	down
6628569	7302445	1628173	---	---	---	1,01	up
6628626	7192914	1357822	---	---	---	2,63	up
6628651	7344380	1731130	---	---	---	1,01	up
6628696	7351568	1748855	---	---	---	1,14	up
6628788	7184931	1337706	---	---	---	1,05	up
6628799	7243363	1481594	---	---	---	1,17	up
6628807	7351953	1749862	---	---	---	1,14	down
6628901	7059766	1030980	---	---	---	1,20	up
6628923	7254040	1507598	---	---	---	1,29	up
6628941	7210387	1400046	---	---	---	1,22	up
6628973	7099973	1127535	---	---	---	2,03	down
6629020	7151063	1253070	---	---	---	1,62	up
6629069	7298101	1617083	---	---	---	1,07	down
6629149	7344406	1731247	---	---	---	1,23	up
6629188	7258455	1518739	---	---	---	1,17	up
6629258	7197820	1370098	---	---	---	1,51	down
6629263	7321204	1675172	---	---	---	1,04	down
6629292	7082098	1084124	---	---	---	1,01	up
6629315	7089762	1102987	---	---	---	1,29	down
6629335	7341002	1722547	---	---	---	1,80	up
6629469	7337425	1713187	---	---	---	1,02	up
6629481	7247848	1492069	---	---	---	1,04	up
6629492	7132024	1206338	---	---	---	1,49	down

6629498	7243647	1482421	---	---	---	1,88	down
6629543	7197820	1370099	---	---	---	1,13	down
6629761	7361223	1772621	---	---	---	1,01	up
6629845	7084193	1089095	---	---	---	1,77	up
6629899	7095041	1115193	---	---	---	1,02	down
6629917	7167325	1292548	---	---	---	1,19	up
6629931	7328833	1692798	---	---	---	2,10	up
6629934	7195680	1364891	---	---	---	1,18	down
6630042	7147809	1245472	---	---	---	1,31	down
6630110	7261766	1527154	---	---	---	2,12	down
6630279	7302327	1627697	---	---	---	1,42	down
6630292	7344380	1731123	---	---	---	1,53	down
6630360	7322388	1677326	---	---	---	1,08	up
6630397	7253408	1505946	---	---	---	1,14	up
6630489	7078666	1076522	---	---	---	1,23	up
6630535	7249015	1495051	---	---	---	1,31	up
6630562	7376073	1811727	---	---	---	1,02	down
6630563	7326271	1686481	---	---	---	1,38	down
6630629	7088625	1099877	---	---	---	1,45	up
6630641	7098648	1124275	---	---	---	1,04	down
6630687	7149817	1250309	---	---	---	1,08	down
6630701	7315206	1660018	---	---	---	1,27	up
6630740	7075790	1069997	---	---	---	1,04	up
6630754	7289075	1594477	---	---	---	1,74	down
6630760	7307473	1641290	---	---	---	1,02	down
6630817	7083030	1086246	---	---	---	1,04	down
6630833	7238115	1468635	---	---	---	1,21	up
6630984	7210822	1400983	---	---	---	1,21	down
6631003	7318139	1668073	---	---	---	1,09	down
6631018	7090581	1104741	---	---	---	1,38	up
6631078	7196331	1366380	---	---	---	3,00	down
6631267	7121849	1181785	---	---	---	1,04	up
6631282	7093752	1111996	---	---	---	2,47	down
6631529	7363674	1778433	---	---	---	1,19	down
6631577	7260488	1523922	---	---	---	1,62	down
6631605	7071648	1060193	---	---	---	1,26	up
6631628	7337425	1713164	---	---	---	1,10	up
6631656	7063873	1040651	---	---	---	2,08	down
6631718	7247005	1490111	---	---	---	1,06	up
6631722	7337425	1713176	---	---	---	1,52	up
6631782	7184931	1337718	---	---	---	1,04	up
6631847	7073950	1065926	---	---	---	1,04	up
6631848	7058713	1028665	---	---	---	1,34	up
6631972	7332059	1700724	---	---	---	1,01	up
6631986	7253408	1505950	---	---	---	1,01	up
6632032	7222236	1428136	---	---	---	1,07	down
6632040	7259923	1522528	---	---	---	1,04	down
6632088	7376820	1813411	---	---	---	1,18	down
6632097	7093255	1110766	---	---	---	1,02	down
6632114	7293234	1604359	---	---	---	1,09	down
6632314	7172691	1306453	---	---	---	1,09	up
6632367	7070393	1057217	---	---	---	1,01	up
6632369	7200545	1376931	---	---	---	1,90	up
6632381	7165954	1288769	---	---	---	2,90	down
6632392	7227433	1440992	---	---	---	1,04	down
6632409	7227433	1440975	---	---	---	1,60	up
6632510	7336854	1711683	---	---	---	1,05	down

6632547	7155866	1265316	---	---	---	1,60	up
6632609	7217434	1416353	---	---	---	1,08	up
6632618	7181442	1328885	---	---	---	2,48	down
6632716	7255120	1510370	---	---	---	1,41	up
6632809	7353287	1753001	---	---	---	1,40	down
6633001	7070511	1057478	---	---	---	1,43	down
6633071	7326271	1686463	---	---	---	1,30	up
6633090	7105814	1141784	---	---	---	1,15	up
6633181	7227433	1440994	---	---	---	1,78	up
6633247	7289382	1595199	---	---	---	1,11	up
6633249	7353224	1752666	---	---	---	1,09	up
6633251	7254053	1507648	---	---	---	1,05	down
6633289	7280982	1575203	---	---	---	1,08	up
6633303	7087282	1096217	---	---	---	1,10	up
6633326	7260488	1523933	---	---	---	1,11	up
6633428	7245921	1487711	---	---	---	1,45	down
6633581	7166867	1291301	---	---	---	1,06	up
6633620	7102889	1134877	---	---	---	1,20	down
6633641	7357026	1762223	---	---	---	2,02	down
6633664	7341264	1723358	---	---	---	1,02	down
6633724	7363674	1778420	---	---	---	1,14	up
6633753	7142321	1231498	---	---	---	1,11	up
6633799	7277783	1567438	---	---	---	2,54	down
6633950	7237814	1467827	---	---	---	1,30	down
6634036	7146425	1241886	---	---	---	1,03	down
6634096	7380497	1821822	---	---	---	1,49	down
6634129	7073609	1064851	---	---	---	1,35	up
6634175	7376073	1811690	---	---	---	1,07	up
6634366	7213945	1407833	---	---	---	1,20	up
6634378	7361223	1772619	---	---	---	1,07	down
6634381	7113483	1161000	---	---	---	1,43	down
6634541	7028326	957435	---	---	---	1,16	down
6634602	7240641	1475738	---	---	---	2,17	down
6634671	7344380	1731133	---	---	---	1,36	up
6634784	7121849	1181759	---	---	---	1,06	up
6634836	7039725	984821	---	---	---	1,80	down
6634843	7355044	1757420	---	---	---	1,15	down
6635025	7179785	1324499	---	---	---	1,10	down
6635028	7039223	983570	---	---	---	1,70	down
6635225	7088625	1099877	---	---	---	1,33	up
6635495	7181193	1328303	---	---	---	1,46	down
6635508	7040442	986555	---	---	---	1,00	up
6635547	7217143	1415596	---	---	---	1,27	down
6635548	7231484	1451362	---	---	---	1,08	down
6635554	7286807	1588800	---	---	---	1,02	down
6635628	7080476	1080419	---	---	---	1,29	down
6635648	7282927	1580017	---	---	---	1,31	up
6635664	7295652	1610293	---	---	---	1,15	up
6635665	7174281	1310846	---	---	---	1,35	down
6635723	7189184	1347569	---	---	---	1,05	down
6635758	7383102	1827396	---	---	---	1,05	up
6635833	7075460	1069403	---	---	---	1,22	down
6635926	7060896	1033581	---	---	---	1,03	down
6636003	7059449	1030297	---	---	---	1,61	down
6636038	7188138	1345067	---	---	---	1,93	down
6636055	7093296	1110945	---	---	---	1,03	down
6636104	7234040	1458493	---	---	---	2,50	up

6636225	7286613	1588465	---	---	---	1,58	down
6636349	7099573	1126734	---	---	---	1,13	up
6636388	7178752	1321791	---	---	---	2,14	up
6636492	7378997	1818667	---	---	---	1,12	up
6636543	7140365	1226784	---	---	---	1,21	up
6636579	7380497	1821833	---	---	---	1,40	up
6636660	7212698	1404866	---	---	---	1,18	up
6636725	7204442	1386083	---	---	---	1,14	down
6636869	7297589	1615658	---	---	---	1,07	down
6636953	7239939	1473795	---	---	---	1,12	up
6637261	7337872	1714437	---	---	---	1,25	down
6637341	7181001	1327618	---	---	---	1,36	up
6637362	7239303	1471939	---	---	---	1,50	up
6637570	7208847	1396341	---	---	---	1,07	down
6637592	7116023	1167298	---	---	---	1,06	up
6637594	7062233	1037264	---	---	---	1,41	down
6637617	7339379	1718361	---	---	---	1,71	down
6637622	7081748	1083342	---	---	---	1,18	down
6637638	7139708	1225055	---	---	---	1,18	down
6637639	7274892	1559573	---	---	---	1,31	down
6637663	7297589	1615684	---	---	---	1,08	up
6637852	7339379	1718324	---	---	---	1,10	up
6637854	7302327	1627695	---	---	---	1,15	up
6637891	7181169	1328091	---	---	---	2,09	up
6637907	7253602	1506482	---	---	---	1,56	down
6637914	7153571	1259033	---	---	---	2,43	up
6637932	7203018	1382661	---	---	---	1,17	up
6638089	7208784	1396123	---	---	---	1,24	down
6638158	7252877	1504757	---	---	---	1,27	down
6638162	7231653	1451880	---	---	---	1,41	down
6638214	7128112	1196586	---	---	---	1,41	up
6638240	7142917	1233167	---	---	---	1,22	down
6638279	7356333	1760489	---	---	---	1,19	down
6638288	7350993	1747532	---	---	---	1,07	up
6638317	7363529	1777930	---	---	---	1,37	up
6638333	7213945	1407838	---	---	---	1,17	down
6638437	7261019	1525253	---	---	---	2,31	down
6638513	7181442	1328882	---	---	---	1,06	up
6638613	7366749	1785498	---	---	---	1,83	up
6638616	7306330	1638517	---	---	---	1,25	down
6638628	7213908	1407691	---	---	---	1,18	down
6638650	7049508	1008561	---	---	---	2,00	up
6638685	7344702	1732140	---	---	---	1,27	down
6638763	7111361	1155580	---	---	---	1,73	up
6638774	7139026	1223501	---	---	---	1,02	up
6638831	7358859	1766981	---	---	---	1,08	up
6638834	7190534	1351240	---	---	---	1,06	up
6638969	7318139	1668073	---	---	---	1,25	down
6639010	7200152	1376048	---	---	---	1,46	up
6639021	7147809	1245458	---	---	---	1,76	up
6639088	7363147	1777007	---	---	---	1,54	up
6639103	7239752	1473162	---	---	---	1,18	up
6639155	7058713	1028659	---	---	---	2,24	down
6639188	7361881	1773960	---	---	---	1,04	down
6639227	7367980	1789188	---	---	---	1,44	up
6639509	7063716	1040125	---	---	---	1,07	down
6639646	7040442	986512	---	---	---	1,48	down

6639647	7034293	971915	---	---	---	1,01	down
6639666	7309734	1646887	---	---	---	1,31	up
6639709	7092549	1109147	---	---	---	1,05	down
6639777	7156611	1267357	---	---	---	1,05	up
6639786	7233106	1455670	---	---	---	1,10	up
6639812	7062233	1037199	---	---	---	1,37	down
6639892	7136746	1217971	---	---	---	2,44	up
6640033	7092406	1108784	---	---	---	1,30	down
6640046	7193056	1358277	---	---	---	1,10	down
6640060	7069253	1054161	---	---	---	1,19	down
6640101	7079326	1077973	---	---	---	1,49	down
6640150	7356027	1759985	---	---	---	1,74	up
6640153	7371753	1800975	---	---	---	1,64	up
6640159	7132024	1206339	---	---	---	1,16	up
6640166	7237438	1466795	---	---	---	1,17	down
6640187	7301843	1626461	---	---	---	1,30	down
6640409	7090581	1104745	---	---	---	1,50	up
6640560	7333462	1703648	---	---	---	1,22	down
6640578	7231484	1451396	---	---	---	1,05	up
6640603	7238202	1468944	---	---	---	1,27	up
6640626	7098411	1123700	---	---	---	1,20	up
6640629	7243627	1482352	---	---	---	1,05	up
6640804	7171417	1303153	---	---	---	1,30	up
6640877	7307473	1641272	---	---	---	1,11	up
6640985	7190844	1352141	---	---	---	1,03	down
6641042	7253215	1505373	---	---	---	1,76	up
6641077	7041609	989550	---	---	---	2,50	up
6641123	7350993	1747541	---	---	---	1,04	down
6641153	7139026	1223492	---	---	---	1,00	up
6641165	7033504	969864	---	---	---	1,13	down
6641240	7253408	1505937	---	---	---	1,07	up
6641259	7029386	959410	---	---	---	1,19	down
6641291	7088489	1099517	---	---	---	1,27	up
6641352	7056304	1023628	---	---	---	1,21	up
6641505	7158517	1271590	---	---	---	2,01	up
6641565	7239752	1473188	---	---	---	1,22	up
6641657	7280743	1574567	---	---	---	1,31	up
6641674	7266532	1538309	---	---	---	1,12	down
6641784	7132125	1206615	---	---	---	1,28	up
6641842	7128921	1198509	---	---	---	1,25	down
6641847	7069239	1054081	---	---	---	1,53	down
6641861	7380452	1821701	---	---	---	1,02	down
6641872	7221443	1426312	---	---	---	1,12	down
6641946	7356027	1759985	---	---	---	1,13	down
6642031	7146093	1240913	---	---	---	1,24	up
6642033	7122585	1183685	---	---	---	1,07	down
6642118	7028326	957436	---	---	---	1,09	down
6642123	7095041	1115196	---	---	---	1,38	down
6642159	7339379	1718341	---	---	---	1,20	up
6642376	7330731	1697201	---	---	---	1,23	down
6642447	7039532	984422	---	---	---	1,43	up
6642450	7075533	1069573	---	---	---	1,13	up
6642473	7168979	1297180	---	---	---	1,03	up
6642909	7356027	1759985	---	---	---	1,05	down
6642960	7280982	1575264	---	---	---	1,17	up
6643018	7315206	1660034	---	---	---	1,10	down
6643033	7140113	1226054	---	---	---	1,19	down

6643072	7072765	1062738	---	---	---	1,00	down
6643074	7243647	1482457	---	---	---	1,21	up
6643143	7071659	1060225	---	---	---	1,19	up
6643165	7244288	1484094	---	---	---	1,36	up
6643212	7279568	1572025	---	---	---	1,02	down
6643236	7380497	1821853	---	---	---	1,64	down
6643250	7184981	1337855	---	---	---	1,08	down
6643367	7082619	1085244	---	---	---	1,11	up
6643372	7340990	1722509	---	---	---	1,03	down
6643387	7236358	1464222	---	---	---	1,13	up
6643428	7191594	1354232	---	---	---	1,57	up
6643439	7193403	1359186	---	---	---	1,93	down
6643487	7314270	1657754	---	---	---	1,68	up
6643522	7264653	1534024	---	---	---	1,24	up
6643546	7273744	1557005	---	---	---	1,39	up
6643590	7317708	1666838	---	---	---	1,26	up
6643665	7370002	1795779	---	---	---	1,14	up
6643697	7350237	1745476	---	---	---	1,25	down
6643712	7376566	1812885	---	---	---	1,05	down
6643857	7358048	1764800	---	---	---	1,05	down
6644203	7176368	1315591	---	---	---	1,33	up
6644211	7355138	1757778	---	---	---	1,05	up
6644293	7318139	1668073	---	---	---	1,08	up
6644316	7335637	1708464	---	---	---	1,11	down
6644381	7345851	1734746	---	---	---	1,31	up
6644438	7301198	1624760	---	---	---	2,47	up
6644579	7243647	1482441	---	---	---	1,18	up
6644609	7146982	1243289	---	---	---	1,30	down
6644644	7169732	1298758	---	---	---	1,04	down
6644833	7101258	1130566	---	---	---	1,02	up
6644849	7025310	949244	---	---	---	1,35	down
6644960	7292701	1602955	---	---	---	1,03	up
6644982	7366749	1785503	---	---	---	1,30	up
6645056	7089080	1101148	---	---	---	1,10	up
6645086	7249019	1495081	---	---	---	1,43	up
6645109	7027386	955064	---	---	---	1,12	up
6645114	7128921	1198534	---	---	---	1,49	up
6645127	7341274	1723398	---	---	---	1,34	up
6645134	7154655	1262332	---	---	---	1,23	up
6645135	7038179	981266	---	---	---	1,09	down
6645141	7095041	1115185	---	---	---	1,16	down
6645175	7064134	1041414	---	---	---	1,60	down
6645194	7042382	991288	---	---	---	2,26	up
6645209	7237438	1466794	---	---	---	1,41	down
6645286	7052176	1014237	---	---	---	1,80	up
6645377	7353287	1753026	---	---	---	1,31	up
6645387	7059766	1030972	---	---	---	1,37	up
6645398	7096461	1118268	---	---	---	1,26	down
6645480	7337425	1713189	---	---	---	1,09	up
6645597	7295410	1609794	---	---	---	1,03	up
6645601	7376398	1812484	---	---	---	1,34	up
6645663	7331413	1699137	---	---	---	1,08	down
6645712	7197820	1370097	---	---	---	1,63	down
6645853	7093806	1112161	---	---	---	1,44	down
6645909	7247954	1492358	---	---	---	1,09	down
6645927	7264808	1534469	---	---	---	2,16	down
6645996	7321029	1674817	---	---	---	1,13	down

6646003	7176456	1315828	---	---	---	1,01	down
6646031	7172988	1307324	---	---	---	1,29	down
6646087	7287337	1589971	---	---	---	1,02	down
6646126	7243726	1482682	---	---	---	1,01	up
6646204	7068259	1051641	---	---	---	1,03	down
6646212	7303191	1629961	---	---	---	1,17	up
6646224	7169732	1298781	---	---	---	1,01	down
6646261	7302787	1628894	---	---	---	1,17	down
6646281	7181193	1328296	---	---	---	1,26	up
6646342	7212718	1404938	---	---	---	1,17	up
6646352	7363147	1777026	---	---	---	1,09	up
6646380	7142917	1233162	---	---	---	1,10	up
6646522	7087282	1096240	---	---	---	1,10	down
6646576	7041609	989577	---	---	---	1,01	up
6646615	7028624	958004	---	---	---	1,05	up
6646660	7200996	1378159	---	---	---	2,19	up
6646666	7346229	1735600	---	---	---	1,14	down
6646668	7028624	957997	---	---	---	1,00	down
6646673	7168439	1295683	---	---	---	1,12	up
6646716	7318143	1668091	---	---	---	1,03	up
6646772	7149934	1250522	---	---	---	1,09	down
6646801	7312569	1653340	---	---	---	1,02	up
6646823	7373678	1805869	---	---	---	2,30	up
6647001	7149008	1248600	---	---	---	1,20	down
6647068	7318139	1668065	---	---	---	1,08	up
6647113	7073854	1065628	---	---	---	1,39	up
6647172	7268357	1543394	---	---	---	1,52	down
6647267	7152889	1257332	---	---	---	2,24	up
6647276	7339387	1718397	---	---	---	1,40	down
6647312	7355804	1759435	---	---	---	1,46	up
6647420	7093255	1110767	---	---	---	1,34	up
6647497	7301616	1625899	---	---	---	1,20	up
6647589	7356115	1760121	---	---	---	1,03	up
6647777	7131103	1204356	---	---	---	1,01	up
6647800	7340757	1721894	---	---	---	1,68	up
6647932	7198210	1370986	---	---	---	1,32	up
6648028	7078605	1076359	---	---	---	1,16	up
6648054	7312566	1653322	---	---	---	1,36	down
6648085	7058149	1027264	---	---	---	1,24	down
6648263	7316589	1663876	---	---	---	3,33	down
6648269	7059020	1029355	---	---	---	1,36	up
6648413	7320735	1674144	---	---	---	1,03	up
6648437	7075445	1069350	---	---	---	1,01	up
6648518	7142081	1230969	---	---	---	1,00	down
6648548	7102723	1134432	---	---	---	2,51	up
6648655	7315206	1660016	---	---	---	1,52	down
6648768	7238115	1468585	---	---	---	1,07	down
6648831	7148978	1248478	---	---	---	1,78	down
6648845	7034293	971947	---	---	---	1,22	up
6648905	7072225	1061405	---	---	---	2,03	down
6648955	7117951	1172094	---	---	---	1,25	down
6649115	7274931	1559717	---	---	---	1,04	up
6649117	7039463	984254	---	---	---	1,76	down
6649123	7309734	1646893	---	---	---	1,04	up
6649158	7142416	1231785	---	---	---	1,41	up
6649171	7033337	969488	---	---	---	1,13	down
6649364	7302327	1627684	---	---	---	1,09	down

6649420	7233106	1455671	---	---	---	1,29	up
6649519	7313905	1656848	---	---	---	2,93	down
6649687	7059506	1030391	---	---	---	1,37	up
6649719	7217679	1417321	---	---	---	1,00	down
6649721	7170845	1301860	---	---	---	1,06	up
6649740	7087282	1096160	---	---	---	1,02	down
6650007	7236485	1464518	---	---	---	2,13	up
6650144	7096461	1118270	---	---	---	1,13	down
6650186	7039532	984428	---	---	---	1,21	up
6650196	7153136	1258029	---	---	---	1,71	down
6650317	7307473	1641280	---	---	---	1,37	down
6650323	7068259	1051593	---	---	---	1,88	up
6650348	7237814	1467832	---	---	---	1,08	up
6650384	7034293	971996	---	---	---	1,21	down
6650449	7365183	1781920	---	---	---	1,61	down
6650470	7196803	1367339	---	---	---	1,15	down
6650514	7252877	1504774	---	---	---	1,10	up
6650565	7080563	1080723	---	---	---	1,01	down
6650716	7038530	981881	---	---	---	1,17	up
6650765	7147809	1245462	---	---	---	1,16	up
6650838	7113483	1161017	---	---	---	1,24	down
6650879	7259925	1522548	---	---	---	1,16	down
6650945	7274780	1559227	---	---	---	1,24	up
6651037	7268694	1544244	---	---	---	1,21	down
6651061	7243894	1482971	---	---	---	1,32	up
6651251	7063716	1040183	---	---	---	1,75	down
6651344	7306330	1638515	---	---	---	1,16	up
6651436	7061948	1036360	---	---	---	1,02	down
6651534	7142081	1230977	---	---	---	1,08	down
6651584	7131550	1205553	---	---	---	1,43	up
6651589	7280743	1574570	---	---	---	1,49	down
6651597	7318714	1669229	---	---	---	1,36	down
6651674	7140834	1228016	---	---	---	1,21	down
6651760	7303722	1631719	---	---	---	1,10	down
6651911	7299785	1621352	---	---	---	1,07	down
6651914	7162177	1280582	---	---	---	1,29	up
6651975	7330238	1695927	---	---	---	1,10	down
6651981	7201422	1379188	---	---	---	1,77	up
6652020	7213908	1407665	---	---	---	1,14	down
6652058	7071659	1060231	---	---	---	1,70	up
6652090	7156047	1265731	---	---	---	1,17	up
6652173	7148741	1247878	---	---	---	1,21	down
6652447	7240569	1475464	---	---	---	1,05	down
6652448	7156052	1265761	---	---	---	1,21	up
6652499	7151063	1253063	---	---	---	2,05	up
6652548	7297589	1615654	---	---	---	1,18	up
6652597	7289075	1594460	---	---	---	1,40	up
6652717	7099573	1126706	---	---	---	1,07	down
6652795	7148741	1247847	---	---	---	1,08	up
6652997	7191866	1354895	---	---	---	1,07	up
6652999	7064468	1042371	---	---	---	1,49	up
6653039	7208847	1396344	---	---	---	1,06	down
6653118	7053874	1018323	---	---	---	1,00	down
6653190	7043379	993653	---	---	---	1,22	up
6653193	7290793	1598637	---	---	---	1,11	up
6653221	7266532	1538304	---	---	---	1,01	up
6653223	7070668	1057925	---	---	---	1,16	up

6653335	7147720	1245225	---	---	---	1,45	down
6653350	7038530	981888	---	---	---	1,10	down
6653440	7308679	1644242	---	---	---	1,41	up
6653470	7165954	1288770	---	---	---	1,04	up
6653504	7247230	1490576	---	---	---	1,92	down
6653508	7148741	1247851	---	---	---	1,16	down
6653538	7282927	1579986	---	---	---	1,12	down
6653547	7222741	1429362	---	---	---	2,02	up
6653548	7280425	1573807	---	---	---	1,05	up
6653637	7083030	1086262	---	---	---	1,64	down
6653639	7220618	1424433	---	---	---	1,21	down
6653650	7288077	1591947	---	---	---	1,20	up
6653655	7337425	1713177	---	---	---	1,68	up
6653659	7248790	1494523	---	---	---	1,41	up
6653700	7247848	1492064	---	---	---	1,16	up
6653788	7101258	1130572	---	---	---	1,04	up
6653805	7374740	1808628	---	---	---	1,10	down
6653815	7087500	1096725	---	---	---	1,91	down
6653868	7361881	1773926	---	---	---	1,09	down
6653930	7122585	1183689	---	---	---	1,11	down
6654018	7364346	1779996	---	---	---	1,03	down
6654061	7100523	1128892	---	---	---	1,20	down
6654115	7339379	1718323	---	---	---	1,07	down
6654118	7333462	1703644	---	---	---	1,31	down
6654170	7071741	1060458	---	---	---	1,16	down
6654210	7330238	1695957	---	---	---	1,18	down
6654261	7067670	1050325	---	---	---	2,40	up
6654314	7233298	1456272	---	---	---	1,29	down
6654394	7341002	1722534	---	---	---	1,47	up
6654398	7122140	1182715	---	---	---	1,15	up
6654424	7231533	1451505	---	---	---	1,32	up
6654460	7315571	1661010	---	---	---	1,57	up
6654525	7366749	1785504	---	---	---	1,17	up
6654645	7369712	1794855	---	---	---	2,26	up
6654706	7373038	1804279	---	---	---	1,54	down
6654743	7083355	1086912	---	---	---	1,15	down
6654783	7279533	1571916	---	---	---	1,14	down
6654892	7106752	1144051	---	---	---	1,19	up
6654911	7297589	1615680	---	---	---	1,07	down
6654923	7156114	1266045	---	---	---	1,01	up
6654992	7361881	1773945	---	---	---	1,68	up
6655003	7260066	1522905	---	---	---	1,01	up
6655008	7248790	1494514	---	---	---	1,04	up
6655084	7369781	1795034	---	---	---	1,68	down
6655086	7278010	1568045	---	---	---	1,38	up
6655300	7309738	1646953	---	---	---	1,11	down
6655336	7158517	1271585	---	---	---	2,03	up
6655371	7358048	1764821	---	---	---	1,60	up
6655443	7247230	1490594	---	---	---	1,17	down
6655495	7092549	1109193	---	---	---	1,54	up
6655536	7337845	1714352	---	---	---	1,05	down
6655714	7209927	1398918	---	---	---	1,05	up
6655772	7039223	983576	---	---	---	1,42	down
6655800	7240569	1475493	---	---	---	1,17	up
6655811	7243901	1483049	---	---	---	1,21	up
6655851	7260066	1522885	---	---	---	1,04	down
6655867	7254053	1507653	---	---	---	1,00	down

6655882	7031774	964767	---	---	---	1,12	up
6655913	7177520	1318641	---	---	---	1,13	up
6655920	7043515	994010	---	---	---	1,22	up
6655954	7166867	1291306	---	---	---	1,48	down
6656009	7350918	1747308	---	---	---	2,93	down
6656012	7221817	1427151	---	---	---	3,48	down
6656128	7052385	1014779	---	---	---	1,42	down
6656141	7196029	1365618	---	---	---	1,02	up
6656320	7361223	1772619	---	---	---	1,06	up
6656370	7350993	1747519	---	---	---	1,02	down
6656387	7079238	1077806	---	---	---	1,10	up
6656495	7227433	1440973	---	---	---	1,33	down
6656607	7155286	1263861	---	---	---	1,22	down
6656667	7346687	1736696	---	---	---	1,09	down
6656722	7255120	1510375	---	---	---	1,07	up
6656731	7363529	1777950	---	---	---	1,06	up
6656738	7086966	1095269	---	---	---	1,17	down
6656747	7170764	1301426	---	---	---	1,29	down
6656748	7274737	1559118	---	---	---	1,33	down
6656904	7068413	1051969	---	---	---	1,07	down
6656972	7274780	1559236	---	---	---	1,24	down
6656989	7123714	1186433	---	---	---	1,10	down
6657228	7069603	1055054	---	---	---	1,19	down
6657236	7056304	1023547	---	---	---	1,05	up
6657281	7337224	1712615	---	---	---	1,09	up
6657390	7033504	969858	---	---	---	1,07	down
6657436	7063716	1040193	---	---	---	1,42	up
6657451	7377304	1814592	---	---	---	1,53	down
6657512	7120550	1178678	---	---	---	1,10	up
6657514	7090581	1104741	---	---	---	1,84	down
6657611	7192914	1357831	---	---	---	1,19	down
6657621	7265259	1535452	---	---	---	1,04	up
6657640	7253215	1505379	---	---	---	1,08	down
6657677	7210822	1400973	---	---	---	1,53	down
6657705	7175946	1314651	---	---	---	1,15	up
6657764	7030037	960718	---	---	---	1,04	up
6657795	7039532	984428	---	---	---	1,05	up
6657830	7184981	1337835	---	---	---	1,25	up
6657950	7065575	1045106	---	---	---	2,25	up
6657958	7373678	1805865	---	---	---	1,96	up
6658041	7371228	1799454	---	---	---	2,08	up
6658088	7281577	1576876	---	---	---	1,26	down
6658101	7255510	1511326	---	---	---	1,44	up
6658106	7087965	1098057	---	---	---	1,20	up
6658202	7245932	1487783	---	---	---	2,39	down
6658227	7122131	1182671	---	---	---	1,01	up
6658291	7233012	1455408	---	---	---	1,16	up
6658305	7267344	1540264	---	---	---	1,44	down
6658362	7083031	1086286	---	---	---	1,25	up
6658416	7322260	1677067	---	---	---	1,15	down
6658442	7116103	1167599	---	---	---	6,36	down
6658450	7088538	1099633	---	---	---	1,05	up
6658489	7240569	1475464	---	---	---	1,02	down
6658564	7237346	1466589	---	---	---	1,06	up
6658782	7115963	1167065	---	---	---	1,31	down
6658846	7140365	1226766	---	---	---	1,22	up
6658847	7190242	1350308	---	---	---	1,33	up

6658860	7093806	1112162	---	---	---	3,17	down
6658932	7331413	1699137	---	---	---	1,18	up
6658938	7374324	1807509	---	---	---	1,06	down
6659050	7286807	1588826	---	---	---	1,68	down
6659084	7231484	1451381	---	---	---	1,17	up
6659188	7308679	1644251	---	---	---	1,14	up
6659266	7100523	1128924	---	---	---	1,32	up
6659321	7146082	1240845	---	---	---	1,04	up
6659402	7236358	1464260	---	---	---	1,19	up
6659520	7205750	1388975	---	---	---	1,06	down
6659558	7340057	1720334	---	---	---	1,27	down
6659612	7079238	1077822	---	---	---	1,43	down
6659641	7292869	1603427	---	---	---	1,60	up
6659664	7102416	1133493	---	---	---	1,21	up
6659744	7374324	1807444	---	---	---	1,10	up
6659771	7091954	1107727	---	---	---	1,49	down
6659807	7295652	1610291	---	---	---	1,00	up
6659994	7071969	1060899	---	---	---	1,17	down
6660080	7194400	1361729	---	---	---	1,41	up
6660132	7156372	1266710	---	---	---	1,62	down
6660228	7256191	1512885	---	---	---	1,21	down
6660230	7278010	1568047	---	---	---	1,23	down
6660292	7235069	1460985	---	---	---	1,27	up
6660302	7209927	1398947	---	---	---	1,58	up
6660404	7086966	1095270	---	---	---	1,29	up
6660464	7038530	981869	---	---	---	1,44	up
6660475	7347427	1738676	---	---	---	1,22	down
6660532	7121849	1181803	---	---	---	1,13	down
6660549	7247907	1492239	---	---	---	1,01	up
6660623	7071741	1060455	---	---	---	1,10	down
6660838	7337224	1712616	---	---	---	1,07	up
6660893	7345465	1733850	---	---	---	1,50	down
6661165	7349643	1744192	---	---	---	1,17	down
6661168	7267802	1541743	---	---	---	1,50	up
6661172	7100523	1128915	---	---	---	1,08	up
6661252	7195680	1364903	---	---	---	1,21	up
6661266	7276650	1564111	---	---	---	1,17	down
6661328	7068413	1051979	---	---	---	1,19	up
6661330	7158920	1272522	---	---	---	1,23	up
6661371	7034356	972176	---	---	---	1,11	down
6661372	7214605	1409364	---	---	---	1,19	up
6661484	7115146	1164936	---	---	---	1,04	up
6661487	7156052	1265775	---	---	---	1,22	down
6661495	7238845	1470567	---	---	---	1,31	up
6661591	7261580	1526818	---	---	---	1,45	down
6661659	7080563	1080724	---	---	---	1,01	down
6661681	7212141	1403604	---	---	---	1,19	up
6661713	7070668	1057930	---	---	---	1,11	up
6661846	7310810	1649337	---	---	---	1,28	down
6662023	7155866	1265315	---	---	---	1,14	down
6662054	7115963	1167073	---	---	---	1,41	down
6662080	7128112	1196530	---	---	---	1,11	up
6662133	7040442	986524	---	---	---	1,48	up
6662316	7351953	1749880	---	---	---	1,99	down
6662350	7067670	1050323	---	---	---	2,42	up
6662442	7281924	1577733	---	---	---	1,02	down
6662455	7345465	1733858	---	---	---	1,07	down

6662496	7112566	1158625	---	---	---	1,28	up
6662540	7228520	1443769	---	---	---	1,52	down
6662618	7127801	1195868	---	---	---	1,70	up
6662667	7110401	1153059	---	---	---	1,43	up
6662845	7320735	1674165	---	---	---	1,15	up
6662854	7090581	1104843	---	---	---	4,06	up
6662862	7175946	1314632	---	---	---	1,03	down
6662864	7264274	1533174	---	---	---	1,05	down
6662969	7350237	1745496	---	---	---	1,25	down
6663106	7244287	1484071	---	---	---	1,32	up
6663272	7194540	1362108	---	---	---	1,08	down
6663502	7247848	1492069	---	---	---	1,02	up
6663527	7383823	1828947	---	---	---	1,06	up
6663601	7062233	1037222	---	---	---	1,02	down
6663638	7244027	1483280	---	---	---	1,18	up
6663750	7356333	1760482	---	---	---	1,25	down
6663783	7261592	1526857	---	---	---	1,19	down
6663792	7240569	1475312	---	---	---	1,13	down
6663903	7261580	1526787	---	---	---	1,14	up
6664038	7252382	1503507	---	---	---	1,09	up
6664323	7312686	1653621	---	---	---	1,23	down
6664350	7062233	1037220	---	---	---	1,07	up
6664410	7068942	1053389	---	---	---	1,29	up
6664438	7181001	1327630	---	---	---	1,53	down
6664540	7212587	1404654	---	---	---	1,95	down
6664542	7088544	1099703	---	---	---	2,26	down
6664552	7341274	1723388	---	---	---	1,28	down
6664601	7321204	1675179	---	---	---	1,38	up
6664686	7130917	1203927	---	---	---	1,46	up
6664855	7253408	1505955	---	---	---	1,20	down
6665013	7207069	1392030	---	---	---	1,17	down
6665118	7311178	1650228	---	---	---	1,76	up
6665144	7091439	1106625	---	---	---	1,01	down
6665185	7141456	1229588	---	---	---	1,44	down
6665194	7034356	972162	---	---	---	1,17	down
6665208	7075460	1069387	---	---	---	1,17	up
6665253	7337425	1713168	---	---	---	1,72	up
6665298	7197056	1367841	---	---	---	1,12	down
6665357	7274780	1559199	---	---	---	1,15	up
6665456	7105066	1140340	---	---	---	1,25	down
6665461	7034356	972164	---	---	---	1,12	down
6665464	7247512	1491193	---	---	---	1,30	up
6665532	7294911	1608532	---	---	---	1,22	up
6665594	7344406	1731203	---	---	---	1,20	up
6665608	7374324	1807468	---	---	---	1,03	down
6665671	7384509	1830732	---	---	---	1,09	up
6665715	7331413	1699139	---	---	---	1,26	up
6665768	7243647	1482449	---	---	---	1,03	up
6665776	7064468	1042376	---	---	---	1,12	down
6665872	7131876	1206053	---	---	---	1,45	up
6665886	7028624	958005	---	---	---	1,30	down
6665899	7274585	1558790	---	---	---	1,02	down
6665924	7132020	1206309	---	---	---	1,44	up
6666088	7034293	971905	---	---	---	1,30	down
6666096	7213228	1406008	---	---	---	2,99	down
6666279	7318143	1668094	---	---	---	1,18	down
6666408	7032618	967305	---	---	---	1,11	down

6666417	7061550	1035303	---	---	---	2,11	down
6666440	7264745	1534266	---	---	---	1,43	up
6666461	7247230	1490572	---	---	---	1,17	up
6666503	7088544	1099663	---	---	---	1,06	down
6666551	7382499	1826256	---	---	---	1,28	down
6666553	7100523	1128876	---	---	---	1,13	up
6666595	7330396	1696401	---	---	---	1,27	up
6666619	7280743	1574489	---	---	---	1,11	up
6666713	7146542	1242286	---	---	---	1,68	up
6666767	7168521	1295960	---	---	---	1,34	down
6666784	7156047	1265727	---	---	---	1,31	up
6666789	7031774	964730	---	---	---	1,54	up
6666826	7176456	1315830	---	---	---	1,11	up
6666852	7146542	1242211	---	---	---	1,83	down
6666960	7337224	1712620	---	---	---	1,09	up
6666975	7326271	1686464	---	---	---	1,44	up
6667016	7267802	1541821	---	---	---	1,11	down
6667057	7324760	1683098	---	---	---	1,16	down
6667062	7062436	1037722	---	---	---	1,08	down
6667131	7180732	1326730	---	---	---	1,07	up
6667356	7252339	1503292	---	---	---	1,05	down
6667377	7337425	1713193	---	---	---	1,08	down
6667385	7197048	1367807	---	---	---	1,11	up
6667537	7069721	1055314	---	---	---	1,18	down
6667540	7367851	1788507	---	---	---	1,00	up
6667655	7191983	1355175	---	---	---	1,09	up
6667718	7280743	1574551	---	---	---	1,56	down
6667784	7173640	1308951	---	---	---	1,02	down
6667795	7091900	1107630	---	---	---	1,48	down
6667884	7039303	983866	---	---	---	1,67	down
6667964	7168439	1295675	---	---	---	2,08	up
6667996	7121849	1181798	---	---	---	1,56	down
6668031	7205944	1389459	---	---	---	1,19	down
6668048	7248790	1494524	---	---	---	1,29	down
6668075	7041584	989460	---	---	---	2,03	down
6668077	7186464	1341356	---	---	---	1,01	down
6668116	7312903	1654107	---	---	---	1,10	down
6668260	7330731	1697164	---	---	---	1,20	down
6668309	7181001	1327594	---	---	---	1,04	up
6668367	7088135	1098384	---	---	---	1,06	down
6668378	7128704	1198018	---	---	---	1,12	up
6668411	7189404	1348195	---	---	---	1,03	up
6668569	7331508	1699464	---	---	---	1,21	down
6668589	7217650	1417171	---	---	---	1,01	up
6668660	7052933	1016213	---	---	---	1,28	down
6668717	7092549	1109166	---	---	---	1,00	down
6668749	7359361	1768265	---	---	---	2,46	down
6668769	7147809	1245471	---	---	---	2,99	up
6668909	7034356	972168	---	---	---	1,03	up
6668999	7319259	1670397	---	---	---	1,40	up
6669002	7297274	1614657	---	---	---	1,08	up
6669009	7217434	1416355	---	---	---	1,35	up
6669028	7321029	1674828	---	---	---	1,17	down
6669037	7177520	1318614	---	---	---	1,14	up
6669053	7238202	1468943	---	---	---	1,08	down
6669108	7312532	1653215	---	---	---	1,64	up
6669218	7348924	1742183	---	---	---	2,06	down

6669336	7336449	1710618	---	---	---	1,01	up
6669357	7350489	1746114	---	---	---	1,01	down
6669472	7106752	1144004	---	---	---	1,21	up
6669591	7087965	1098048	---	---	---	1,37	down
6669620	7278010	1568044	---	---	---	1,07	up
6669645	7106776	1144104	---	---	---	1,21	down
6669719	7184151	1335955	---	---	---	1,48	down
6669733	7313538	1655724	---	---	---	1,14	down
6669866	7243901	1483062	---	---	---	1,66	down
6669867	7366749	1785483	---	---	---	1,29	up
6669901	7114274	1162818	---	---	---	1,07	down
6669918	7280743	1574570	---	---	---	1,24	up
6669924	7082098	1084119	---	---	---	1,10	down
6669951	7374324	1807510	---	---	---	1,19	down
6669968	7243726	1482684	---	---	---	1,28	down
6670057	7375937	1811368	---	---	---	1,27	down
6670100	7142917	1233161	---	---	---	1,09	up
6670175	7188829	1346666	---	---	---	1,38	down
6670270	7068942	1053392	---	---	---	1,77	up
6670315	7146872	1242914	---	---	---	1,03	down
6670449	7314270	1657749	---	---	---	1,14	down
6670531	7039265	983658	---	---	---	1,15	down
6670574	7289075	1594463	---	---	---	1,02	up
6670577	7093936	1112473	---	---	---	1,09	up
6670681	7369781	1795032	---	---	---	1,08	up
6670712	7209811	1398664	---	---	---	2,52	up
6670762	7039223	983551	---	---	---	1,02	up
6670771	7182739	1332586	---	---	---	2,23	down
6670784	7245932	1487794	---	---	---	1,20	up
6670985	7198730	1372634	---	---	---	2,17	up
6670997	7176275	1315361	---	---	---	1,12	down
6671029	7367952	1789010	---	---	---	1,24	down
6671052	7363568	1778133	---	---	---	1,20	up
6671062	7381330	1823635	---	---	---	2,02	down
6671082	7194172	1361160	---	---	---	1,00	down
6671085	7337845	1714333	---	---	---	1,20	down
6671345	7368555	1791224	---	---	---	1,01	down
6671410	7147204	1243773	---	---	---	1,87	down
6671501	7180166	1325243	---	---	---	1,30	down
6671512	7279533	1571917	---	---	---	1,23	up
6671514	7363674	1778415	---	---	---	1,22	down
6671631	7039589	984513	---	---	---	1,19	up
6671843	7253408	1505936	---	---	---	1,35	down
6671845	7109292	1150736	---	---	---	1,27	up
6671874	7255120	1510375	---	---	---	1,03	down
6672005	7269911	1546914	---	---	---	1,17	down
6672022	7221443	1426326	---	---	---	1,01	up
6672036	7140365	1226777	---	---	---	1,54	up
6672156	7064134	1041432	---	---	---	1,02	down
6672217	7058713	1028678	---	---	---	1,43	up
6672390	7312566	1653303	---	---	---	1,27	up
6672490	7243363	1481603	---	---	---	1,11	up
6672537	7277783	1567457	---	---	---	1,53	up
6672743	7295652	1610259	---	---	---	1,23	down
6672785	7089080	1101166	---	---	---	1,61	down
6672838	7116540	1168645	---	---	---	1,03	down
6672846	7363674	1778438	---	---	---	1,83	down

6672981	7067828	1050769	---	---	---	1,29	down
6672986	7292869	1603375	---	---	---	1,19	down
6673022	7038530	981862	---	---	---	1,31	down
6673287	7261668	1526982	---	---	---	1,41	down
6673301	7056333	1023703	---	---	---	1,14	down
6673325	7373678	1805858	---	---	---	1,20	down
6673553	7142081	1230975	---	---	---	1,72	down
6673637	7121849	1181774	---	---	---	1,03	up
6673642	7381090	1822987	---	---	---	1,51	up
6673671	7198087	1370696	---	---	---	1,46	up
6673691	7313538	1655742	---	---	---	1,23	down
6673716	7101258	1130574	---	---	---	1,01	up
6673774	7131766	1205863	---	---	---	1,10	up
6673805	7101206	1130460	---	---	---	1,05	up
6673832	7312566	1653307	---	---	---	1,58	down
6673920	7073854	1065631	---	---	---	1,18	down
6673927	7118503	1173574	---	---	---	2,05	down
6673970	7039303	983875	---	---	---	1,25	down
6673993	7034293	971994	---	---	---	1,06	down
6674019	7180166	1325237	---	---	---	1,15	up
6674021	7052813	1015921	---	---	---	1,03	up
6674031	7377791	1815980	---	---	---	1,21	up
6674043	7222236	1428113	---	---	---	1,13	down
6674088	7257976	1517713	---	---	---	2,02	down
6674091	7166867	1291285	---	---	---	1,19	up
6674139	7045955	1000763	---	---	---	3,07	down
6674196	7358053	1764845	---	---	---	1,02	up
6674202	7050167	1009815	---	---	---	1,10	up
6674229	7301843	1626488	---	---	---	1,12	up
6674476	7122140	1182730	---	---	---	1,22	down
6674568	7080476	1080409	---	---	---	1,01	up
6674594	7199341	1374122	---	---	---	1,12	up
6674710	7069830	1055609	---	---	---	1,01	down
6674759	7296860	1613437	---	---	---	5,96	down
6674818	7102369	1133412	---	---	---	1,48	down
6674927	7142917	1233182	---	---	---	1,32	up
6675029	7172373	1305586	---	---	---	1,19	up
6675042	7346066	1735301	---	---	---	1,07	down
6675097	7233524	1457226	---	---	---	1,03	up
6675105	7181001	1327629	---	---	---	1,01	down
6675211	7312566	1653299	---	---	---	1,75	down
6675220	7155866	1265327	---	---	---	1,64	up
6675284	7288077	1592008	---	---	---	1,00	up
6675449	7053874	1018333	---	---	---	1,18	down
6675471	7355044	1757427	---	---	---	1,49	up
6675600	7121849	1181762	---	---	---	1,12	down
6675611	7350237	1745473	---	---	---	1,01	up
6675648	7040442	986553	---	---	---	1,15	down
6675675	7257337	1515982	---	---	---	1,30	down
6675731	7091439	1106624	---	---	---	1,37	down
6675769	7317708	1666843	---	---	---	1,63	up
6675797	7347427	1738670	---	---	---	1,14	up
6675830	7337425	1713185	---	---	---	1,21	down
6675839	7366749	1785493	---	---	---	1,10	up
6675854	7121849	1181815	---	---	---	1,19	down
6675902	7089080	1101138	---	---	---	1,06	up
6676040	7281924	1577711	---	---	---	1,18	down

6676145	7190844	1352111	---	---	---	1,53	up
6676164	7181001	1327643	---	---	---	1,02	up
6676275	7313538	1655723	---	---	---	1,21	down
6676278	7230698	1449064	---	---	---	1,07	down
6676334	7100523	1128878	---	---	---	1,03	up
6676402	7244027	1483279	---	---	---	1,10	up
6676403	7093296	1110906	---	---	---	1,39	up
6676419	7305275	1635848	---	---	---	2,13	up
6676530	7359453	1768453	---	---	---	1,17	down
6676588	7244287	1484089	---	---	---	1,10	up
6676612	7109292	1150722	---	---	---	1,45	down
6676671	7344702	1732143	---	---	---	1,19	up
6676680	7340757	1721885	---	---	---	1,09	down
6676698	7264745	1534276	---	---	---	1,08	down
6676720	7097536	1121126	---	---	---	1,57	down
6676803	7336039	1709683	---	---	---	1,35	up
6676977	7093296	1110923	---	---	---	1,10	up
6677008	7098077	1122798	---	---	---	1,49	up
6677029	7212698	1404857	---	---	---	1,57	up
6677204	7381993	1825217	---	---	---	2,46	up
6677208	7109730	1151719	---	---	---	1,15	down
6677250	7352044	1750004	---	---	---	1,47	up
6677283	7050716	1011224	---	---	---	1,94	up
6677298	7343052	1727548	---	---	---	1,10	up
6677301	7195680	1364896	---	---	---	1,21	down
6677317	7329135	1693492	---	---	---	1,41	down
6677333	7217650	1417162	---	---	---	1,04	down
6677345	7032204	966137	---	---	---	1,03	up
6677390	7196187	1365978	---	---	---	1,10	up
6677406	7110999	1154771	---	---	---	1,07	up
6677448	7247848	1492063	---	---	---	1,10	up
6677458	7344836	1732409	---	---	---	1,49	down
6677645	7195680	1364902	---	---	---	1,14	up
6677659	7052385	1014788	---	---	---	1,04	up
6677661	7032558	967061	---	---	---	1,20	down
6677732	7259807	1522237	---	---	---	1,05	down
6677809	7127691	1195638	---	---	---	2,36	down
6677830	7384073	1829464	---	---	---	1,11	up
6677859	7367994	1789247	---	---	---	1,21	up
6678053	7089080	1101150	---	---	---	1,57	down
6678086	7163002	1282279	---	---	---	1,17	down
6678094	7093835	1112251	---	---	---	1,25	up
6678148	7093936	1112478	---	---	---	1,12	down
6678190	7217679	1417315	---	---	---	3,59	up
6678444	7146982	1243277	---	---	---	1,08	down
6678449	7181169	1328155	---	---	---	1,39	up
6678499	7180166	1325237	---	---	---	1,13	down
6678502	7289075	1594450	---	---	---	1,01	down
6678515	7071264	1059284	---	---	---	2,30	up
6678603	7297589	1615612	---	---	---	1,13	down
6678623	7274892	1559568	---	---	---	1,28	up
6678646	7355138	1757685	---	---	---	1,11	down
6678764	7160687	1277017	---	---	---	1,03	down
6678776	7166867	1291331	---	---	---	1,58	up
6678835	7243647	1482473	---	---	---	1,01	up
6678928	7353287	1753033	---	---	---	1,45	up
6678942	7330223	1695875	---	---	---	1,00	up

6679010	7252283	1503113	---	---	---	1,11	up
6679050	7261580	1526790	---	---	---	1,01	up
6679079	7125348	1190100	---	---	---	1,62	up
6679092	7253272	1505658	---	---	---	1,50	up
6679106	7120010	1177375	---	---	---	1,12	up
6679274	7366749	1785496	---	---	---	1,10	up
6679281	7056333	1023673	---	---	---	1,15	up
6679393	7079600	1078632	---	---	---	1,29	up
6679434	7240569	1475401	---	---	---	1,31	down
6679567	7127801	1195872	---	---	---	1,09	down
6679588	7042382	991295	---	---	---	1,03	down
6679661	7368004	1789335	---	---	---	1,03	down
6679698	7225543	1435929	---	---	---	1,04	down
6679704	7315571	1661003	---	---	---	1,93	down
6679712	7331757	1700022	---	---	---	1,17	up
6679731	7139026	1223491	---	---	---	1,57	up
6679782	7217434	1416446	---	---	---	1,02	down
6679815	7030037	960703	---	---	---	1,16	up
6679965	7375937	1811340	---	---	---	1,05	down
6680038	7363568	1778134	---	---	---	1,04	up
6680146	7335700	1708717	---	---	---	3,08	up
6680147	7262570	1528988	---	---	---	2,10	up
6680164	7363529	1777900	---	---	---	1,07	up
6680274	7326271	1686473	---	---	---	1,28	up
6680283	7062233	1037214	---	---	---	2,14	up
6680423	7029770	960158	---	---	---	1,23	up
6680437	7313064	1654512	---	---	---	1,63	down
6680471	7329846	1694991	---	---	---	1,25	down
6680577	7344838	1732451	---	---	---	1,58	down
6680667	7329135	1693500	---	---	---	1,18	up
6680820	7320735	1674130	---	---	---	2,04	up
6680841	7344530	1731578	---	---	---	1,12	up
6680929	7211144	1401547	---	---	---	1,09	down
6680940	7128704	1198019	---	---	---	1,48	down
6680959	7370415	1796852	---	---	---	1,61	down
6680961	7140365	1226793	---	---	---	1,25	up
6680978	7319609	1671206	---	---	---	1,24	down
6681038	7032558	967065	---	---	---	1,04	up
6681223	7355138	1757775	---	---	---	2,40	up
6681233	7039532	984422	---	---	---	1,18	up
6681243	7248790	1494536	---	---	---	1,02	up
6681268	7244077	1483438	---	---	---	1,21	up
6681301	7295652	1610281	---	---	---	1,09	down
6681601	7322260	1677066	---	---	---	1,05	down
6681675	7358859	1767003	---	---	---	1,15	down
6681681	7351568	1748823	---	---	---	1,04	up
6681731	7148978	1248499	---	---	---	1,55	down
6681734	7175946	1314636	---	---	---	2,09	up
6681897	7168521	1295956	---	---	---	4,45	down
6682020	7180804	1326998	---	---	---	1,28	down
6682039	7099573	1126725	---	---	---	1,08	up
6682066	7053874	1018308	---	---	---	1,01	up
6682067	7294911	1608534	---	---	---	1,30	down
6682078	7248790	1494528	---	---	---	1,41	down
6682209	7221443	1426320	---	---	---	1,22	up
6682259	7298692	1618409	---	---	---	1,52	down
6682286	7049689	1008897	---	---	---	1,03	up

6682432	7243647	1482472	---	---	---	2,18	up
6682434	7096589	1118504	---	---	---	2,07	up
6682500	7335637	1708469	---	---	---	2,07	up
6682547	7305275	1635822	---	---	---	1,39	down
6682750	7244288	1484128	---	---	---	1,07	down
6682764	7180598	1326317	---	---	---	1,14	down
6682770	7030127	960857	---	---	---	1,37	up
6682823	7373633	1805701	---	---	---	1,31	up
6682843	7045955	1000736	---	---	---	1,69	up
6682907	7339379	1718355	---	---	---	1,44	down
6682922	7171091	1302460	---	---	---	1,12	down
6682998	7330238	1695950	---	---	---	1,06	down
6683004	7034293	971945	---	---	---	1,33	up
6683040	7252877	1504783	---	---	---	1,41	up
6683309	7202749	1382104	---	---	---	1,04	up
6683320	7364346	1779979	---	---	---	1,49	up
6683331	7030549	961802	---	---	---	1,61	up
6683346	7121849	1181807	---	---	---	1,64	down
6683351	7334636	1706499	---	---	---	3,60	down
6683392	7031774	964662	---	---	---	1,94	up
6683420	7303777	1631919	---	---	---	1,02	down
6683473	7279806	1572566	---	---	---	1,28	up
6683495	7373633	1805703	---	---	---	1,38	up
6683531	7211363	1402042	---	---	---	1,89	down
6683605	7374324	1807492	---	---	---	1,21	down
6683619	7337425	1713190	---	---	---	1,23	up
6683638	7170845	1301881	---	---	---	1,06	down
6683709	7306229	1638244	---	---	---	1,25	up
6683723	7069830	1055641	---	---	---	1,52	down
6683761	7268694	1544225	---	---	---	1,24	up
6683819	7084193	1089126	---	---	---	1,11	up
6683867	7186240	1340828	---	---	---	1,55	down
6683928	7374313	1807383	---	---	---	1,13	down
6683962	7312627	1653486	---	---	---	1,76	down
6683967	7087965	1098057	---	---	---	1,80	down
6684034	7324760	1683032	---	---	---	1,01	down
6684087	7309734	1646874	---	---	---	1,13	up
6684151	7364948	1781232	---	---	---	1,15	down
6684184	7069462	1054602	---	---	---	1,26	up
6684185	7366749	1785506	---	---	---	1,68	down
6684206	7148741	1247824	---	---	---	1,33	up
6684270	7244287	1484063	---	---	---	1,13	down
6684319	7087282	1096204	---	---	---	1,07	up
6684325	7237132	1466115	---	---	---	1,29	up
6684405	7350993	1747548	---	---	---	1,22	up
6684431	7312121	1652374	---	---	---	1,27	up
6684617	7270895	1549510	---	---	---	1,26	up
6684647	7349643	1744149	---	---	---	1,14	down
6684713	7168521	1295980	---	---	---	1,41	up
6684911	7193959	1360603	---	---	---	3,25	down
6684924	7340304	1720857	---	---	---	1,68	down
6684926	7368489	1791034	---	---	---	1,08	up
6684930	7244288	1484116	---	---	---	1,05	down
6685061	7133484	1209944	---	---	---	1,01	up
6685092	7380878	1822557	---	---	---	1,38	up
6685124	7242451	1479346	---	---	---	1,81	down
6685150	7248790	1494561	---	---	---	1,09	down

6685199	7244288	1484100	---	---	---	2,99	up
6685277	7341375	1723553	---	---	---	1,17	up
6685327	7086966	1095264	---	---	---	1,07	up
6685452	7207971	1394321	---	---	---	1,06	up
6685466	7035525	974772	---	---	---	1,19	up
6685481	7155286	1263908	---	---	---	1,32	down
6685530	7315206	1660029	---	---	---	1,47	up
6685584	7239752	1473193	---	---	---	1,25	down
6685594	7073609	1064854	---	---	---	1,07	down
6685612	7180949	1327485	---	---	---	1,36	up
6685637	7358859	1767018	---	---	---	1,07	down
6685641	7209811	1398676	---	---	---	1,05	up
6685902	7243647	1482447	---	---	---	1,06	up
6685910	7293234	1604336	---	---	---	1,44	up
6685976	7382499	1826256	---	---	---	1,25	down
6686004	7038530	981858	---	---	---	1,32	down
6686066	7252877	1504701	---	---	---	1,07	down
6686107	7116103	1167604	---	---	---	1,37	up
6686177	7244288	1484127	---	---	---	1,44	down
6686229	7252877	1504761	---	---	---	1,06	down
6686245	7335903	1709293	---	---	---	1,19	down
6686303	7289069	1594419	---	---	---	2,87	down
6686391	7288077	1591976	---	---	---	1,01	down
6686393	7352635	1751443	---	---	---	1,25	up
6686394	7217650	1417198	---	---	---	1,26	up
6686423	7177428	1318394	---	---	---	1,20	down
6686466	7060896	1033617	---	---	---	1,45	up
6686487	7034356	972158	---	---	---	1,59	down
6686519	7238199	1468930	---	---	---	1,09	up
6686588	7065860	1045796	---	---	---	1,30	down
6686622	7278010	1568047	---	---	---	1,38	down
6686641	7297589	1615678	---	---	---	1,01	down
6686647	7259221	1520618	---	---	---	1,17	up
6686677	7217747	1417472	---	---	---	2,03	up
6686694	7181105	1327962	---	---	---	1,07	down
6686706	7364346	1779998	---	---	---	1,59	down
6686720	7131550	1205567	---	---	---	1,11	down
6686868	7113483	1161019	---	---	---	1,12	down
6686880	7330731	1697172	---	---	---	1,05	down
6686924	7370508	1797227	---	---	---	1,84	up
6687079	7243628	1482366	---	---	---	1,05	up
6687310	7297589	1615635	---	---	---	1,26	up
6687409	7307473	1641291	---	---	---	2,24	up
6687438	7123421	1185811	---	---	---	1,53	down
6687465	7241163	1476819	---	---	---	3,67	up
6687467	7027386	955068	---	---	---	1,05	up
6687503	7235069	1460993	---	---	---	1,03	up
6687516	7059766	1030975	---	---	---	1,84	down
6687552	7141151	1228920	---	---	---	1,15	down
6687652	7326245	1686391	---	---	---	1,13	down
6688006	7096924	1119611	---	---	---	1,28	up
6688011	7029770	960148	---	---	---	2,12	down
6688084	7341243	1723217	---	---	---	1,14	up
6688088	7280743	1574491	---	---	---	1,01	down
6688103	7193959	1360603	---	---	---	1,13	down
6688155	7265259	1535446	---	---	---	2,17	down
6688157	7078143	1075454	---	---	---	1,20	down

6688197	7118503	1173570	---	---	---	1,02	down
6688248	7295652	1610303	---	---	---	1,14	down
6688297	7244936	1485371	---	---	---	2,06	down
6688301	7071264	1059325	---	---	---	1,06	down
6688351	7067670	1050321	---	---	---	2,96	up
6688398	7374313	1807372	---	---	---	1,31	down
6688577	7044349	996665	---	---	---	1,19	down
6688600	7110401	1153079	---	---	---	1,48	up
6688691	7216807	1414698	---	---	---	1,27	down
6688749	7198644	1372285	---	---	---	1,48	down
6688761	7186464	1341383	---	---	---	1,14	down
6688786	7196331	1366389	---	---	---	1,25	down
6688798	7191866	1354901	---	---	---	1,32	down
6688922	7052385	1014787	---	---	---	1,04	down
6688945	7059648	1030677	---	---	---	1,46	up
6689085	7239939	1473786	---	---	---	1,14	down
6689118	7322020	1676642	---	---	---	1,13	up
6689156	7062233	1037246	---	---	---	2,22	down
6689225	7329135	1693497	---	---	---	1,28	down
6689279	7146542	1242296	---	---	---	1,06	down
6689327	7040442	986549	---	---	---	1,73	down
6689382	7056736	1024424	---	---	---	1,78	up
6689541	7374324	1807477	---	---	---	1,05	down
6689550	7259131	1520420	---	---	---	1,33	up
6689616	7329135	1693500	---	---	---	1,03	down
6689705	7087965	1098025	---	---	---	1,37	down
6689746	7110401	1153071	---	---	---	2,13	down
6689870	7264274	1533167	---	---	---	1,50	down
6689916	7295652	1610298	---	---	---	1,06	up
6689926	7268694	1544233	---	---	---	2,04	up
6690012	7345465	1733848	---	---	---	1,17	up
6690071	7181001	1327708	---	---	---	1,14	up
6690080	7197400	1368812	---	---	---	1,27	up
6690233	7279793	1572538	---	---	---	1,30	down
6690244	7378637	1817832	---	---	---	1,78	down
6690287	7373678	1805869	---	---	---	1,03	up
6690351	7280743	1574499	---	---	---	1,73	up
6690374	7198087	1370714	---	---	---	1,06	down
6690410	7170764	1301487	---	---	---	1,16	down
6690481	7297274	1614653	---	---	---	1,35	down
6690514	7194400	1361763	---	---	---	1,27	up
6690520	7060896	1033550	---	---	---	1,23	up
6690577	7257038	1515288	---	---	---	1,19	down
6690629	7367994	1789251	---	---	---	1,76	down
6690641	7033337	969492	---	---	---	1,12	up
6690681	7083030	1086260	---	---	---	1,94	down
6690726	7211690	1402642	---	---	---	1,29	up
6690732	7073677	1065167	---	---	---	1,40	down
6690740	7068413	1051974	---	---	---	1,14	down
6690799	7247230	1490574	---	---	---	1,33	up
6690859	7380878	1822549	---	---	---	2,74	down
6690915	7109292	1150739	---	---	---	1,27	up
6691033	7030127	960865	---	---	---	2,18	up
6691143	7197400	1368815	---	---	---	1,37	down
6691255	7274892	1559563	---	---	---	1,85	up
6691309	7327169	1688439	---	---	---	1,48	up
6691378	7263805	1532199	---	---	---	1,21	up

6691535	7156047	1265728	---	---	---	1,34	up
6691565	7374324	1807480	---	---	---	1,16	up
6691702	7118356	1173130	---	---	---	1,43	up
6691743	7253215	1505369	---	---	---	1,27	up
6691899	7329846	1695004	---	---	---	1,34	down
6691978	7233106	1455672	---	---	---	1,13	up
6692017	7281924	1577753	---	---	---	1,43	up
6692121	7339286	1718108	---	---	---	1,02	up
6692124	7142081	1230973	---	---	---	1,23	down
6692211	7353382	1753218	---	---	---	1,08	up
6692290	7071264	1059284	---	---	---	1,31	down
6692473	7038530	981870	---	---	---	1,12	down
6692550	7160687	1276996	---	---	---	1,27	down
6692609	7383102	1827385	---	---	---	1,55	down
6692763	7116103	1167602	---	---	---	2,97	up
6692766	7247954	1492403	---	---	---	1,16	down
6692811	7055876	1022487	---	---	---	1,75	down
6693067	7062233	1037197	---	---	---	1,03	down
6693091	7261592	1526834	---	---	---	1,20	down
6693131	7128112	1196566	---	---	---	1,28	down
6693151	7156052	1265784	---	---	---	1,03	down
6693246	7254040	1507609	---	---	---	1,08	down
6693270	7377583	1815458	---	---	---	1,07	down
6693279	7039308	983921	---	---	---	1,25	down
6693304	7252728	1504337	---	---	---	1,49	up
6693414	7268693	1544213	---	---	---	2,12	down
6693456	7180166	1325244	---	---	---	1,12	down
6693472	7043515	994011	---	---	---	1,07	down
6693501	7070668	1057971	---	---	---	1,44	up
6693586	7282927	1579993	---	---	---	1,07	down
6693731	7321029	1674832	---	---	---	1,06	up
6693744	7101684	1131710	---	---	---	1,65	up
6693761	7148978	1248527	---	---	---	1,52	up
6693782	7055876	1022469	---	---	---	1,93	down
6693862	7142917	1233174	---	---	---	1,05	up
6693874	7337425	1713213	---	---	---	1,05	up
6693952	7168979	1297200	---	---	---	1,20	up
6693963	7060896	1033574	---	---	---	1,30	up
6693970	7337872	1714437	---	---	---	1,05	up
6694007	7069253	1054175	---	---	---	1,05	up
6694055	7376566	1812878	---	---	---	1,10	down
6694087	7260066	1522900	---	---	---	1,26	down
6694192	7360486	1770995	---	---	---	1,08	up
6694196	7259807	1522244	---	---	---	1,15	down
6694216	7236358	1464249	---	---	---	1,22	up
6694221	7116540	1168645	---	---	---	3,83	down
6694311	7300392	1622760	---	---	---	1,02	up
6694349	7101258	1130582	---	---	---	1,02	up
6694362	7064468	1042347	---	---	---	1,13	down
6694363	7274892	1559565	---	---	---	1,20	down
6694369	7180732	1326732	---	---	---	1,04	down
6694468	7158517	1271596	---	---	---	1,25	down
6694492	7166867	1291332	---	---	---	1,05	up
6694543	7332059	1700732	---	---	---	1,52	down
6694782	7217747	1417499	---	---	---	1,24	down
6694894	7100408	1128645	---	---	---	1,54	down
6694947	7100408	1128650	---	---	---	1,67	up

6695006	7358048	1764807	---	---	---	1,53	down
6695054	7238115	1468666	---	---	---	1,12	down
6695229	7083030	1086258	---	---	---	1,14	down
6695360	7297274	1614649	---	---	---	1,05	down
6695463	7101258	1130557	---	---	---	1,16	down
6695473	7288077	1591953	---	---	---	1,01	down
6695474	7277783	1567440	---	---	---	3,93	down
6695572	7355244	1758143	---	---	---	2,56	up
6695687	7247848	1492068	---	---	---	1,08	up
6695931	7266532	1538307	---	---	---	1,10	up
6695958	7247954	1492401	---	---	---	1,21	up
6696035	7374324	1807538	---	---	---	1,10	down
6696037	7063716	1040133	---	---	---	1,40	down
6696061	7292701	1602962	---	---	---	1,86	down
6696125	7199341	1374130	---	---	---	1,32	down
6696205	7257893	1517480	---	---	---	1,32	down
6696265	7131876	1206059	---	---	---	1,17	up
6696270	7074911	1068171	---	---	---	1,00	up
6696316	7075445	1069346	---	---	---	1,40	up
6696443	7337425	1713162	---	---	---	1,01	down
6696513	7254040	1507608	---	---	---	1,46	up
6696519	7193403	1359183	---	---	---	2,43	down
6696565	7295410	1609773	---	---	---	1,25	up
6696609	7282831	1579771	---	---	---	1,19	down
6696626	7055793	1022299	---	---	---	1,04	up
6696634	7263348	1530811	---	---	---	2,04	down
6696690	7106776	1144110	---	---	---	1,13	down
6696862	7193916	1360447	---	---	---	1,03	down
6696971	7186528	1341560	---	---	---	1,36	up
6696988	7220292	1423772	---	---	---	1,18	up
6697036	7247334	1490820	---	---	---	1,22	up
6697190	7326271	1686467	---	---	---	1,07	down
6697286	7088164	1098481	---	---	---	2,08	down
6697372	7096589	1118516	---	---	---	1,17	down
6697389	7313538	1655722	---	---	---	1,11	up
6697394	7096924	1119617	---	---	---	1,10	down
6697405	7086966	1095283	---	---	---	1,42	down
6697563	7265259	1535437	---	---	---	1,94	up
6697619	7381330	1823633	---	---	---	1,77	down
6697659	7250671	1499034	---	---	---	1,78	up
6697787	7209927	1398931	---	---	---	1,02	up
6697843	7182056	1330596	---	---	---	1,09	down
6697915	7114934	1164529	---	---	---	1,14	up
6698057	7086522	1093950	---	---	---	2,05	up
6698083	7081487	1082706	---	---	---	1,06	up
6698130	7241163	1476819	---	---	---	2,00	up
6698235	7216970	1415126	---	---	---	1,04	up
6698303	7311391	1650857	---	---	---	1,16	down
6698361	7363529	1777919	---	---	---	1,05	up
6698499	7369712	1794822	---	---	---	1,21	up
6698519	7281577	1576881	---	---	---	1,44	down
6698532	7355138	1757763	---	---	---	1,07	up
6698538	7092549	1109148	---	---	---	1,38	up
6698566	7211144	1401550	---	---	---	1,29	down
6698620	7225543	1435939	---	---	---	1,06	up
6698667	7149008	1248595	---	---	---	1,07	down
6698693	7303191	1629961	---	---	---	1,04	down

6698752	7301843	1626490	---	---	---	1,16	up
6698755	7059020	1029354	---	---	---	1,01	up
6698762	7113083	1159965	---	---	---	1,23	down
6698905	7099573	1126744	---	---	---	1,08	up
6698967	7369400	1793983	---	---	---	1,09	up
6698994	7061948	1036378	---	---	---	1,15	down
6699069	7069830	1055611	---	---	---	1,21	up
6699085	7166867	1291295	---	---	---	1,12	down
6699127	7289879	1596427	---	---	---	1,01	down
6699179	7211389	1402113	---	---	---	1,10	down
6699309	7336837	1711617	---	---	---	1,21	up
6699399	7121074	1179920	---	---	---	1,00	up
6699408	7181105	1327964	---	---	---	1,23	up
6699441	7374740	1808620	---	---	---	1,44	up
6699472	7172691	1306453	---	---	---	1,21	down
6699539	7313538	1655742	---	---	---	1,04	down
6699621	7337425	1713140	---	---	---	1,13	down
6699645	7274892	1559550	---	---	---	1,11	down
6699646	7336931	1711858	---	---	---	1,01	up
6699735	7253272	1505576	---	---	---	1,26	up
6699749	7297274	1614637	---	---	---	1,07	up
6699923	7028278	957313	---	---	---	1,17	down
6699930	7183182	1333565	---	---	---	1,19	down
6699931	7038659	982165	---	---	---	1,17	down
6700195	7248790	1494527	---	---	---	1,87	up
6700225	7383102	1827388	---	---	---	1,17	up
6700264	7217143	1415595	---	---	---	1,19	up
6700314	7359426	1768366	---	---	---	1,28	down
6700335	7321414	1675641	---	---	---	1,01	up
6700346	7203018	1382642	---	---	---	1,10	up
6700371	7359426	1768380	---	---	---	1,80	down
6700372	7205944	1389460	---	---	---	1,09	up
6700438	7282927	1580023	---	---	---	1,06	down
6700445	7298101	1617020	---	---	---	2,24	down
6700494	7313538	1655735	---	---	---	1,10	up
6700609	7092549	1109137	---	---	---	1,10	up
6700688	7360325	1770527	---	---	---	1,20	down
6700692	7071714	1060366	---	---	---	1,12	up
6700751	7314270	1657750	---	---	---	1,13	up
6700776	7257976	1517712	---	---	---	1,20	down
6700865	7336854	1711679	---	---	---	1,42	up
6700913	7195680	1364902	---	---	---	1,21	up
6701177	7235069	1460971	---	---	---	1,44	up
6701187	7158419	1271393	---	---	---	1,02	down
6701203	7297274	1614655	---	---	---	1,37	up
6701215	7168979	1297200	---	---	---	1,28	down
6701219	7142416	1231785	---	---	---	2,40	up
6701309	7196029	1365615	---	---	---	1,40	up
6701323	7277759	1567293	---	---	---	1,18	down
6701335	7280425	1573806	---	---	---	1,07	down
6701349	7277719	1567068	---	---	---	1,00	up
6701446	7076160	1070897	---	---	---	1,02	down
6701486	7219624	1422102	---	---	---	1,03	down
6701488	7301198	1624778	---	---	---	1,17	up
6701514	7295410	1609781	---	---	---	1,10	up
6701562	7099573	1126707	---	---	---	1,21	up
6701746	7355138	1757769	---	---	---	1,06	up

6701808	7245921	1487686	---	---	---	1,51	down
6701885	7049508	1008559	---	---	---	1,24	down
6701919	7341274	1723382	---	---	---	1,02	down
6701935	7280743	1574514	---	---	---	1,47	down
6701952	7248790	1494532	---	---	---	1,28	up
6701978	7200545	1376898	---	---	---	1,59	up
6702014	7329135	1693493	---	---	---	1,31	up
6702062	7147809	1245452	---	---	---	1,15	down
6702063	7373678	1805865	---	---	---	1,10	up
6702154	7343250	1728041	---	---	---	1,64	down
6702176	7295652	1610252	---	---	---	1,16	down
6702213	7083030	1086263	---	---	---	1,31	down
6702293	7315206	1660036	---	---	---	1,58	up
6702308	7349643	1744160	---	---	---	1,00	down
6702332	7227433	1440977	---	---	---	1,16	up
6702358	7358048	1764813	---	---	---	1,58	up
6702419	7056304	1023520	---	---	---	1,06	down
6702539	7288284	1592646	---	---	---	1,03	up
6702864	7297589	1615599	---	---	---	1,09	up
6702899	7244027	1483284	---	---	---	1,12	up
6702914	7099543	1126634	---	---	---	1,45	up
6702938	7034747	973189	---	---	---	1,40	down
6703018	7309646	1646548	---	---	---	1,35	down
6703022	7148741	1247826	---	---	---	1,04	down
6703041	7159036	1272965	---	---	---	1,05	up
6703087	7312566	1653303	---	---	---	2,03	down
6703112	7196029	1365635	---	---	---	1,20	down
6703182	7260066	1522900	---	---	---	1,45	up
6703314	7194400	1361753	---	---	---	1,02	up
6703337	7098411	1123717	---	---	---	1,08	up
6703390	7075460	1069405	---	---	---	1,37	up
6703401	7380497	1821844	---	---	---	1,24	down
6703407	7073928	1065815	---	---	---	6,79	down
6703437	7366749	1785528	---	---	---	1,19	up
6703485	7227433	1440955	---	---	---	1,20	down
6703574	7317318	1665827	---	---	---	2,07	down
6703583	7062233	1037211	---	---	---	1,07	down
6703600	7068259	1051647	---	---	---	1,28	up
6703687	7075445	1069354	---	---	---	1,18	up
6703767	7330396	1696339	---	---	---	1,35	up
6703800	7116103	1167597	---	---	---	1,42	up
6703926	7221613	1426800	---	---	---	2,67	down
6703976	7156047	1265728	---	---	---	1,19	up
6704038	7189184	1347597	---	---	---	1,41	down
6704063	7067828	1050790	---	---	---	1,10	down
6704116	7040442	986555	---	---	---	1,02	up
6704140	7116023	1167289	---	---	---	1,04	up
6704166	7326271	1686461	---	---	---	1,01	up
6704227	7127691	1195634	---	---	---	1,11	up
6704299	7302860	1629008	---	---	---	1,25	up
6704347	7193056	1358273	---	---	---	1,07	down
6704459	7292624	1602751	---	---	---	1,93	up
6704496	7292178	1601744	---	---	---	1,33	down
6704498	7376566	1812885	---	---	---	1,01	down
6704516	7309738	1646946	---	---	---	1,13	down
6704528	7125348	1190076	---	---	---	1,04	down
6704538	7261580	1526799	---	---	---	1,12	up

6704544	7071969	1060898	---	---	---	1,34	up
6704550	7238202	1468938	---	---	---	1,23	up
6704602	7221247	1425833	---	---	---	1,01	up
6704672	7208784	1396113	---	---	---	1,32	up
6704697	7158920	1272523	---	---	---	2,93	down
6704707	7162177	1280583	---	---	---	1,01	down
6704708	7107321	1145323	---	---	---	1,01	down
6704730	7038530	981887	---	---	---	1,15	up
6704780	7127540	1195276	---	---	---	1,02	up
6704920	7340125	1720449	---	---	---	1,20	down
6704979	7148741	1247879	---	---	---	1,17	up
6704995	7127801	1195863	---	---	---	2,14	up
6705063	7133749	1210819	---	---	---	1,04	up
6705073	7227433	1440966	---	---	---	1,09	down
6705112	7142321	1231563	---	---	---	1,39	up
6705132	7297589	1615616	---	---	---	1,36	up
6705400	7041609	989589	---	---	---	1,21	up
6705445	7358859	1766998	---	---	---	1,44	down
6705474	7349643	1744141	---	---	---	1,06	up
6705507	7337224	1712623	---	---	---	1,03	down
6705549	7038530	981867	---	---	---	1,40	down
6705580	7043379	993646	---	---	---	1,08	down
6705677	7227474	1441165	---	---	---	1,42	up
6705685	7368005	1789344	---	---	---	1,38	up
6705693	7130917	1203918	---	---	---	1,20	down
6705738	7080476	1080405	---	---	---	1,08	up
6705792	7056333	1023674	---	---	---	1,22	up
6705909	7377304	1814591	---	---	---	1,14	down
6705911	7238115	1468588	---	---	---	1,01	up
6705954	7153895	1259915	---	---	---	1,32	up
6705971	7297274	1614568	---	---	---	1,24	up
6705991	7376398	1812492	---	---	---	1,00	up
6706077	7189669	1348981	---	---	---	1,23	down
6706158	7110999	1154762	---	---	---	1,09	up
6706184	7119179	1174995	---	---	---	1,19	up
6706206	7120039	1177491	---	---	---	1,12	down
6706271	7034293	971945	---	---	---	2,14	up
6706298	7160687	1276989	---	---	---	1,17	down
6706454	7363529	1777959	---	---	---	1,17	down
6706483	7247848	1492073	---	---	---	1,08	down
6706502	7121849	1181814	---	---	---	1,48	down
6706544	7239752	1473174	---	---	---	1,50	down
6706551	7230628	1448868	---	---	---	1,73	up
6706555	7146542	1242296	---	---	---	1,04	up
6706625	7340757	1721886	---	---	---	1,03	up
6706670	7344380	1731127	---	---	---	1,08	down
6706696	7108062	1147192	---	---	---	3,43	up
6706704	7211363	1402049	---	---	---	1,23	down
6706868	7207093	1392103	---	---	---	1,14	up
6706940	7270592	1548561	---	---	---	1,07	up
6707151	7231775	1452135	---	---	---	1,32	up
6707260	7339379	1718361	---	---	---	1,00	up
6707372	7058507	1028314	---	---	---	1,25	up
6707440	7162177	1280583	---	---	---	1,83	up
6707508	7159036	1272921	---	---	---	1,37	up
6707523	7095041	1115177	---	---	---	1,27	up
6707532	7030127	960860	---	---	---	2,05	up

6707702	7353284	1752984	---	---	---	1,09	up
6707715	7374313	1807389	---	---	---	1,05	up
6707778	7059020	1029339	---	---	---	1,20	down
6707807	7293922	1605961	---	---	---	1,21	down
6707902	7302860	1629005	---	---	---	1,03	down
6708040	7270895	1549511	---	---	---	1,12	up
6708048	7109292	1150748	---	---	---	1,37	down
6708050	7247230	1490579	---	---	---	1,16	down
6708114	7158419	1271381	---	---	---	1,08	down
6708129	7343250	1728047	---	---	---	1,03	down
6708131	7279881	1572738	---	---	---	1,14	up
6708316	7243901	1483063	---	---	---	1,17	down
6708348	7237711	1467463	---	---	---	1,22	down
6708360	7181105	1327957	---	---	---	1,15	up
6708381	7243647	1482447	---	---	---	1,00	up
6708446	7173640	1308949	---	---	---	1,35	down
6708484	7314270	1657726	---	---	---	1,02	up
6708496	7363674	1778419	---	---	---	1,02	down
6708523	7376566	1812870	---	---	---	2,21	up
6708561	7068942	1053387	---	---	---	1,31	up
6708576	7239752	1473181	---	---	---	1,21	down
6708592	7377791	1815993	---	---	---	1,06	down
6708757	7064134	1041466	---	---	---	1,04	up
6708762	7268357	1543398	---	---	---	1,18	up
6708959	7258455	1518699	---	---	---	1,04	up
6709180	7306229	1638249	---	---	---	2,30	up
6709231	7177520	1318612	---	---	---	1,18	up
6709515	7173706	1309259	---	---	---	1,02	down
6709608	7112566	1158626	---	---	---	1,44	down
6709678	7209927	1398920	---	---	---	1,09	down
6709742	7368489	1791031	---	---	---	2,25	up
6709785	7039532	984441	---	---	---	1,04	up
6709791	7190534	1351228	---	---	---	1,30	up
6709829	7344530	1731583	---	---	---	1,06	up
6709869	7259131	1520416	---	---	---	1,05	down
6709870	7166855	1291265	---	---	---	1,07	down
6709970	7376820	1813434	---	---	---	2,05	down
6710070	7069253	1054162	---	---	---	1,60	up
6710252	7235069	1460977	---	---	---	1,29	down
6710289	7297589	1615643	---	---	---	1,48	down
6710388	7039308	983921	---	---	---	1,01	up
6710536	7341243	1723232	---	---	---	1,30	down
6710583	7266530	1538285	---	---	---	1,07	up
6710781	7170764	1301433	---	---	---	1,21	down
6710859	7069603	1055046	---	---	---	1,03	up
6710896	7168439	1295678	---	---	---	1,35	down
6710919	7297589	1615634	---	---	---	1,03	down
6710954	7280743	1574548	---	---	---	1,06	down
6711025	7063716	1040167	---	---	---	1,01	up
6711077	7360486	1770953	---	---	---	1,64	down
6711101	7143412	1234584	---	---	---	1,15	up
6711233	7125348	1190073	---	---	---	1,17	up
6711298	7072765	1062743	---	---	---	1,17	up
6711391	7133484	1209938	---	---	---	1,32	up
6711463	7340990	1722505	---	---	---	1,02	down
6711469	7168521	1295900	---	---	---	1,36	up
6711554	7267204	1539854	---	---	---	1,65	down

6711611	7301843	1626487	---	---	---	1,22	up
6711644	7183182	1333553	---	---	---	1,03	up
6711654	7313538	1655737	---	---	---	1,62	up
6711679	7351844	1749493	---	---	---	1,20	down
6711722	7321029	1674803	---	---	---	1,09	up
6711776	7193403	1359197	---	---	---	1,13	down
6711818	7069603	1055050	---	---	---	1,27	down
6711887	7331757	1700023	---	---	---	1,26	down
6711920	7039223	983572	---	---	---	1,08	up
6712093	7143412	1234612	---	---	---	1,00	up
6712144	7356619	1761354	---	---	---	1,56	up
6712362	7115963	1167058	---	---	---	1,21	down
6712687	7307473	1641274	---	---	---	1,74	up
6712757	7277719	1567070	---	---	---	1,08	up
6712770	7368004	1789332	---	---	---	1,30	down
6712860	7383823	1828938	---	---	---	1,04	down
6712936	7341274	1723383	---	---	---	1,03	down
6712964	7330731	1697171	---	---	---	1,12	down
6712974	7073677	1065152	---	---	---	1,37	down
6712979	7195680	1364888	---	---	---	1,04	up
6713021	7071292	1059446	---	---	---	1,23	down
6713024	7028326	957441	---	---	---	1,05	up
6713053	7330396	1696363	---	---	---	1,37	up
6713118	7041486	989221	---	---	---	1,32	down
6713379	7280743	1574481	---	---	---	1,53	down
6713392	7115507	1165984	---	---	---	1,22	down
6713416	7088544	1099670	---	---	---	1,19	up
6713435	7277719	1567087	---	---	---	1,18	down
6713467	7313841	1656727	---	---	---	1,30	down
6713516	7030454	961550	---	---	---	1,33	up
6713550	7340125	1720448	---	---	---	2,90	down
6713683	7030087	960789	---	---	---	1,28	up
6713696	7294911	1608526	---	---	---	1,22	down
6713729	7247230	1490582	---	---	---	1,17	up
6713731	7378997	1818668	---	---	---	1,02	down
6713891	7094139	1112917	---	---	---	1,43	up
6713973	7340057	1720328	---	---	---	1,08	up
6713981	7041609	989552	---	---	---	1,05	down
6714031	7336931	1711897	---	---	---	1,04	down
6714167	7113261	1160469	---	---	---	1,05	up
6714247	7370131	1796180	---	---	---	1,08	down
6714434	7319259	1670400	---	---	---	1,14	down
6714454	7264797	1534434	---	---	---	1,15	up
6714487	7115362	1165593	---	---	---	1,51	up
6714489	7100408	1128649	---	---	---	1,32	up
6714578	7373678	1805874	---	---	---	1,10	down
6714607	7261668	1526981	---	---	---	1,47	up
6714637	7276650	1564132	---	---	---	1,06	up
6714644	7071648	1060194	---	---	---	1,31	down
6714678	7120671	1179002	---	---	---	1,12	up
6714780	7030549	961799	---	---	---	1,09	down
6714883	7170845	1301886	---	---	---	1,18	up
6714900	7131876	1206048	---	---	---	1,28	up
6715012	7071969	1060897	---	---	---	1,41	up
6715031	7380497	1821839	---	---	---	1,11	up
6715040	7212587	1404639	---	---	---	1,53	down
6715100	7030037	960702	---	---	---	1,12	down

6715175	7373678	1805872	---	---	---	1,27	down
6715178	7264808	1534473	---	---	---	1,02	down
6715257	7243901	1483037	---	---	---	1,17	down
6715269	7146542	1242295	---	---	---	1,31	down
6715311	7302860	1629015	---	---	---	1,02	up
6715390	7108062	1147174	---	---	---	1,77	up
6715396	7028326	957439	---	---	---	1,79	up
6715416	7088544	1099700	---	---	---	1,10	up
6715445	7299650	1620967	---	---	---	1,14	up
6715510	7255911	1512233	---	---	---	1,04	down
6715531	7368986	1792868	---	---	---	1,16	down
6715578	7033006	968471	---	---	---	1,07	down
6715609	7155116	1263425	---	---	---	1,09	down
6715614	7146093	1240939	---	---	---	1,02	up
6715696	7240569	1475496	---	---	---	1,03	up
6715698	7377304	1814585	---	---	---	1,27	down
6715699	7237711	1467466	---	---	---	1,19	up
6715732	7279103	1570819	---	---	---	1,26	down
6715756	7235794	1462895	---	---	---	1,68	up
6715790	7330731	1697175	---	---	---	1,06	down
6715804	7355044	1757447	---	---	---	1,34	down
6715905	7096924	1119611	---	---	---	1,52	up
6715938	7101258	1130579	---	---	---	1,14	down
6715976	7141456	1229593	---	---	---	1,19	down
6716025	7205750	1388937	---	---	---	1,59	down
6716027	7196029	1365633	---	---	---	1,14	down
6716101	7224182	1432784	---	---	---	1,02	down
6716167	7112355	1158084	---	---	---	1,07	down
6716169	7236131	1463778	---	---	---	1,27	down
6716308	7364346	1779977	---	---	---	1,37	down
6716349	7075460	1069407	---	---	---	2,27	down
6716361	7355044	1757445	---	---	---	1,13	up
6716393	7100307	1128402	---	---	---	1,48	down
6716579	7301904	1626756	---	---	---	1,02	up
6716584	7117813	1171718	---	---	---	1,14	up
6716625	7341243	1723198	---	---	---	2,33	down
6716633	7168439	1295671	---	---	---	1,01	down
6716702	7239752	1473197	---	---	---	1,02	up
6716769	7156052	1265764	---	---	---	1,13	up
6716788	7248790	1494511	---	---	---	1,01	up
6716796	7092549	1109173	---	---	---	1,00	down
6716818	7118157	1172526	---	---	---	1,04	down
6716827	7128704	1198017	---	---	---	1,17	down
6716845	7117526	1170987	---	---	---	1,62	up
6716897	7101258	1130568	---	---	---	1,07	down
6716925	7252877	1504748	---	---	---	1,76	down
6716958	7261580	1526818	---	---	---	1,09	down
6717014	7109292	1150743	---	---	---	1,00	down
6717016	7344530	1731557	---	---	---	1,30	down
6717113	7062233	1037239	---	---	---	1,10	down
6717213	7160687	1277002	---	---	---	1,20	up
6717289	7321414	1675626	---	---	---	1,17	up
6717335	7092549	1109122	---	---	---	1,35	down
6717393	7166855	1291255	---	---	---	1,12	down
6717395	7226278	1438004	---	---	---	1,03	up
6717520	7166867	1291286	---	---	---	1,01	down
6717523	7189987	1349813	---	---	---	1,07	down

6717544	7211144	1401546	---	---	---	2,21	up
6717554	7303722	1631720	---	---	---	1,25	down
6717584	7184850	1337601	---	---	---	1,11	down
6717595	7198644	1372300	---	---	---	1,05	down
6717727	7260488	1523933	---	---	---	1,25	down
6717752	7236358	1464239	---	---	---	1,22	down
6717807	7213908	1407655	---	---	---	1,37	down
6718020	7179785	1324498	---	---	---	1,07	up
6718141	7364346	1780042	---	---	---	1,19	up
6718199	7105814	1141784	---	---	---	1,23	up
6718261	7330396	1696389	---	---	---	1,76	down
6718363	7198325	1371351	---	---	---	1,14	down
6718525	7350993	1747506	---	---	---	1,13	up
6718587	7032558	967064	---	---	---	1,02	down
6718772	7234401	1459337	---	---	---	1,38	up
6718783	7131550	1205571	---	---	---	1,12	up
6718959	7231557	1451560	---	---	---	5,29	down
6719083	7381330	1823624	---	---	---	1,69	down
6719160	7167823	1293896	---	---	---	1,25	up
6719175	7125348	1190099	---	---	---	2,14	up
6719229	7240569	1475519	---	---	---	1,01	down
6719266	7071264	1059296	---	---	---	1,26	down
6719435	7282927	1579990	---	---	---	1,24	up
6719455	7253408	1505950	---	---	---	1,72	up
6719730	7230698	1449061	---	---	---	1,01	up
6719798	7334855	1706951	---	---	---	1,25	down
6719991	7292869	1603372	---	---	---	1,29	down
6720157	7211363	1402064	---	---	---	1,37	down
6720258	7058149	1027263	---	---	---	1,34	up
6720284	7309734	1646941	---	---	---	1,35	up
6720295	7167160	1292210	---	---	---	1,14	down
6720365	7083030	1086271	---	---	---	1,17	up
6720482	7195680	1364893	---	---	---	1,12	down
6720507	7303777	1631922	---	---	---	1,22	down
6720508	7330238	1695937	---	---	---	1,38	up
6720518	7034293	971942	---	---	---	1,37	up
6720629	7340673	1721698	---	---	---	1,26	down
6720729	7384179	1829775	---	---	---	1,13	up
6720747	7284153	1583020	---	---	---	2,03	down
6720782	7236358	1464236	---	---	---	1,32	down
6721093	7142081	1230978	---	---	---	1,43	down
6721104	7203018	1382660	---	---	---	1,74	down
6721110	7350237	1745471	---	---	---	1,10	up
6721166	7035525	974768	---	---	---	1,18	up
6721200	7064468	1042364	---	---	---	1,07	up
6721239	7170845	1301878	---	---	---	1,41	up
6721367	7350922	1747316	---	---	---	1,04	down
6721443	7035525	974769	---	---	---	1,16	up
6721448	7064054	1041217	---	---	---	1,78	down
6721484	7070836	1058341	---	---	---	1,05	down
6721554	7071264	1059296	---	---	---	1,05	up
6721564	7171417	1303153	---	---	---	2,37	down
6721599	7033504	969851	---	---	---	1,48	up
6721605	7170845	1301903	---	---	---	1,44	down
6721690	7330731	1697175	---	---	---	1,11	up
6721907	7321414	1675634	---	---	---	1,65	down
6721919	7043379	993645	---	---	---	1,25	up

6721994	7156047	1265732	---	---	---	1,16	down
6722023	7146542	1242261	---	---	---	1,02	up
6722150	7131119	1204440	---	---	---	1,35	down
6722153	7152889	1257377	---	---	---	1,16	up
6722238	7065570	1045089	---	---	---	1,51	down
6722338	7070836	1058357	---	---	---	1,09	down
6722346	7088489	1099520	---	---	---	1,03	up
6722403	7256191	1512862	---	---	---	1,22	up
6722644	7186464	1341369	---	---	---	1,78	down
6722765	7034293	971976	---	---	---	1,24	down
6722769	7056106	1022980	---	---	---	1,63	down
6722901	7370853	1798410	---	---	---	1,59	down
6722959	7038530	981866	---	---	---	1,25	up
6723255	7178644	1321612	---	---	---	1,24	down
6723293	7217434	1416447	---	---	---	1,03	down
6723361	7073854	1065633	---	---	---	2,07	down
6723372	7313841	1656733	---	---	---	1,65	down
6723373	7029770	960156	---	---	---	1,15	down
6723463	7255911	1512232	---	---	---	1,00	down
6723471	7028278	957314	---	---	---	1,10	down
6723554	7295410	1609702	---	---	---	1,14	up
6723571	7252877	1504763	---	---	---	1,00	up
6723911	7083030	1086261	---	---	---	1,16	down
6724093	7236358	1464250	---	---	---	1,14	down
6724125	7371253	1799562	---	---	---	1,22	up
6724223	7088164	1098468	---	---	---	1,01	down
6724233	7250511	1498645	---	---	---	1,21	up
6724337	7217434	1416383	---	---	---	1,06	up
6724411	7030037	960704	---	---	---	1,04	up
6724430	7265259	1535445	---	---	---	1,35	down
6724468	7131550	1205556	---	---	---	1,24	down
6724495	7295410	1609752	---	---	---	1,31	up
6724530	7034356	972173	---	---	---	1,01	down
6724559	7056333	1023680	---	---	---	1,19	up
6724630	7189669	1348990	---	---	---	1,07	down
6724740	7346898	1737336	---	---	---	1,11	up
6724808	7232732	1454582	---	---	---	1,18	up
6724839	7083031	1086282	---	---	---	1,01	down
6724870	7227474	1441159	---	---	---	2,28	down
6724978	7237672	1467293	---	---	---	1,13	up
6725081	7376566	1812878	---	---	---	1,65	down
6725090	7132024	1206337	---	---	---	1,34	up
6725141	7358859	1767012	---	---	---	1,47	down
6725260	7240569	1475334	---	---	---	1,24	down
6725268	7274780	1559237	---	---	---	1,17	down
6725271	7146542	1242290	---	---	---	1,24	down
6725298	7192902	1357749	---	---	---	1,28	up
6725321	7154584	1262107	---	---	---	1,03	down
6725345	7193403	1359191	---	---	---	1,31	up
6725357	7148978	1248458	---	---	---	1,31	up
6725387	7340057	1720331	---	---	---	1,15	up
6725401	7377116	1814067	---	---	---	1,23	down
6725426	7363529	1777954	---	---	---	1,02	down
6725829	7166867	1291374	---	---	---	1,09	up
6725892	7207069	1392012	---	---	---	2,31	up
6725926	7337250	1712720	---	---	---	1,02	up
6725956	7364346	1779965	---	---	---	1,26	down

6725983	7037235	978573	---	---	---	1,21	down
6726078	7139026	1223492	---	---	---	1,02	down
6726081	7128112	1196529	---	---	---	1,16	down
6726127	7089080	1101147	---	---	---	1,01	up
6726204	7052331	1014567	---	---	---	1,06	up
6726217	7105057	1140311	---	---	---	1,44	down
6726557	7068259	1051623	---	---	---	1,72	up
6726651	7030037	960696	---	---	---	1,12	up
6726832	7277783	1567455	---	---	---	1,46	up
6726857	7083030	1086254	---	---	---	1,00	down
6726894	7169573	1298391	---	---	---	1,28	up
6726951	7307473	1641289	---	---	---	1,32	up
6726978	7196187	1365964	---	---	---	1,11	down
6726980	7115507	1165969	---	---	---	1,87	up
6727074	7071741	1060449	---	---	---	1,29	up
6727125	7099573	1126737	---	---	---	1,37	down
6727171	7223395	1431073	---	---	---	1,19	up
6727231	7249015	1495051	---	---	---	1,26	down
6727248	7093936	1112478	---	---	---	1,05	down
6727370	7140365	1226761	---	---	---	1,32	up
6727434	7371001	1798837	---	---	---	1,03	down
6727660	7088135	1098419	---	---	---	1,13	up
6727728	7094346	1113394	---	---	---	1,21	down
6727799	7122140	1182738	---	---	---	1,20	down
6727901	7268694	1544247	---	---	---	1,08	down
6727974	7080131	1079796	---	---	---	3,56	down
6727983	7339387	1718398	---	---	---	1,23	down
6728049	7376073	1811697	---	---	---	1,06	up
6728130	7258455	1518727	---	---	---	1,22	up
6728212	7052385	1014783	---	---	---	1,10	up
6728216	7083965	1088219	---	---	---	1,33	up
6728327	7363529	1777982	---	---	---	1,14	up
6728385	7280743	1574550	---	---	---	1,01	down
6728387	7356115	1760135	---	---	---	1,13	down
6728429	7368005	1789342	---	---	---	1,16	up
6728548	7243363	1481603	---	---	---	1,26	down
6728572	7080476	1080406	---	---	---	1,03	up
6728624	7029380	959374	---	---	---	1,08	up
6728782	7039223	983551	---	---	---	1,36	down
6728930	7297589	1615687	---	---	---	1,29	up
6729002	7156611	1267335	---	---	---	1,02	down
6729037	7062436	1037669	---	---	---	1,11	up
6729073	7346066	1735292	---	---	---	1,13	down
6729084	7316054	1662261	---	---	---	3,08	up
6729091	7075460	1069391	---	---	---	1,01	up
6729175	7280743	1574519	---	---	---	1,23	down
6729191	7312903	1654099	---	---	---	1,06	up
6729216	7127540	1195275	---	---	---	1,20	down
6729452	7302327	1627685	---	---	---	1,05	up
6729630	7088544	1099668	---	---	---	1,02	up
6729658	7217747	1417487	---	---	---	1,08	up
6729685	7227433	1440976	---	---	---	1,17	up
6729690	7068259	1051657	---	---	---	1,25	up
6729794	7240569	1475367	---	---	---	1,25	up
6729905	7247230	1490580	---	---	---	1,15	up
6729961	7353232	1752771	---	---	---	1,51	down
6730053	7378546	1817609	---	---	---	1,04	down

6730134	7146082	1240821	---	---	---	1,19	down
6730135	7231775	1452134	---	---	---	1,04	up
6730150	7150047	1250764	---	---	---	1,84	down
6730252	7171091	1302450	---	---	---	1,30	down
6730325	7365183	1781900	---	---	---	1,03	down
6730354	7315935	1661992	---	---	---	2,28	up
6730693	7056333	1023674	---	---	---	1,07	down
6730735	7180732	1326731	---	---	---	1,44	down
6731020	7176456	1315830	---	---	---	1,06	up
6731027	7108434	1148318	---	---	---	1,06	up
6731035	7243647	1482454	---	---	---	1,22	up
6731171	7148741	1247863	---	---	---	1,56	down
6731241	7274892	1559559	---	---	---	1,33	down
6731261	7321029	1674804	---	---	---	1,12	up
6731322	7117526	1170987	---	---	---	1,47	up
6731518	7252728	1504327	---	---	---	1,05	down
6731586	7039223	983554	---	---	---	1,21	down
6731604	7109730	1151710	---	---	---	1,03	down
6731622	7073950	1065927	---	---	---	1,14	up
6731642	7256191	1512862	---	---	---	1,37	up
6731791	7158517	1271594	---	---	---	1,16	down
6731807	7032558	967064	---	---	---	1,13	up
6731828	7060195	1031972	---	---	---	1,30	down
6731841	7148741	1247871	---	---	---	1,11	down
6731896	7272110	1553074	---	---	---	1,18	up
6731910	7067670	1050308	---	---	---	2,43	up
6731912	7213908	1407732	---	---	---	1,12	down
6731962	7119845	1176852	---	---	---	1,28	down
6732004	7326271	1686523	---	---	---	1,32	down
6732060	7099573	1126743	---	---	---	1,70	up
6732075	7073950	1065899	---	---	---	1,27	down
6732137	7336931	1711853	---	---	---	1,10	up
6732156	7198730	1372661	---	---	---	1,51	down
6732325	7292701	1602962	---	---	---	1,33	down
6732390	7247512	1491195	---	---	---	1,09	down
6732432	7374324	1807540	---	---	---	1,32	down
6732488	7149817	1250307	---	---	---	1,51	up
6732623	7320735	1674153	---	---	---	1,62	up
6732699	7264653	1534032	---	---	---	1,08	up
6732756	7287337	1589991	---	---	---	4,42	down
6732829	7264085	1532719	---	---	---	1,05	up
6732852	7353382	1753227	---	---	---	2,03	down
6732882	7222741	1429360	---	---	---	1,01	down
6732981	7071648	1060192	---	---	---	1,18	up
6733012	7364346	1780007	---	---	---	1,08	up
6733119	7235069	1460969	---	---	---	1,29	down
6733248	7282927	1579987	---	---	---	1,07	up
6733390	7255911	1512219	---	---	---	1,04	up
6733401	7343052	1727538	---	---	---	1,63	up
6733423	7331757	1700017	---	---	---	1,04	up
6733459	7376073	1811717	---	---	---	1,47	down
6733465	7227775	1441827	---	---	---	1,04	up
6733474	7366749	1785511	---	---	---	1,20	down
6733538	7058507	1028318	---	---	---	1,13	down
6733544	7293922	1605959	---	---	---	1,34	down
6733581	7240569	1475486	---	---	---	1,00	up
6733653	7312532	1653211	---	---	---	2,06	up

6733839	7288077	1591941	---	---	---	1,06	down
6733970	7140365	1226759	---	---	---	1,17	up
6733996	7252877	1504747	---	---	---	1,18	up
6734042	7205750	1388941	---	---	---	1,04	up
6734069	7156372	1266715	---	---	---	1,04	up
6734148	7305728	1637007	---	---	---	2,04	down
6734162	7121849	1181801	---	---	---	1,02	up
6734213	7264653	1534033	---	---	---	1,28	down
6734264	7097485	1120945	---	---	---	1,29	down
6734269	7353614	1753735	---	---	---	2,02	down
6734272	7365183	1781921	---	---	---	1,97	up
6734273	7065860	1045799	---	---	---	1,39	down
6734275	7232709	1454536	---	---	---	1,01	down
6734289	7076236	1071211	---	---	---	1,59	up
6734389	7239939	1473789	---	---	---	1,13	down
6734397	7295652	1610274	---	---	---	1,43	down
6734443	7274892	1559564	---	---	---	1,05	down
6734469	7370415	1796852	---	---	---	1,41	up
6734556	7258455	1518708	---	---	---	1,08	up
6734629	7312161	1652463	---	---	---	1,02	down
6734640	7232069	1452950	---	---	---	1,10	down
6734819	7254040	1507577	---	---	---	1,19	up
6734838	7128704	1198026	---	---	---	1,24	down
6734842	7249019	1495081	---	---	---	1,12	up
6734881	7279881	1572739	---	---	---	1,17	down
6734921	7123421	1185811	---	---	---	1,09	down
6734947	7280743	1574539	---	---	---	1,01	down
6734997	7243647	1482482	---	---	---	1,17	up
6735141	7286807	1588817	---	---	---	1,06	up
6735191	7034747	973194	---	---	---	1,11	up
6735210	7069464	1054652	---	---	---	1,14	down
6735293	7369781	1795033	---	---	---	1,02	down
6735303	7224724	1433961	---	---	---	1,03	down
6735341	7074911	1068177	---	---	---	1,24	up
6735370	7248790	1494555	---	---	---	1,23	down
6735390	7288077	1591949	---	---	---	1,14	down
6735417	7115362	1165608	---	---	---	1,39	down
6735439	7056333	1023674	---	---	---	1,05	down
6735444	7055687	1022015	---	---	---	1,25	up
6735454	7381330	1823637	---	---	---	1,13	up
6735462	7240569	1475472	---	---	---	1,88	up
6735476	7274780	1559225	---	---	---	1,09	up
6735660	7309734	1646903	---	---	---	1,07	up
6735663	7073677	1065161	---	---	---	1,37	up
6735748	7205944	1389488	---	---	---	1,19	up
6735819	7095041	1115165	---	---	---	1,21	up
6735822	7330396	1696359	---	---	---	1,58	down
6735836	7133749	1210818	---	---	---	1,28	down
6735885	7158920	1272515	---	---	---	1,14	down
6736065	7182739	1332590	---	---	---	1,11	down
6736169	7307473	1641262	---	---	---	1,07	up
6736180	7248790	1494569	---	---	---	1,48	down
6736193	7293402	1604847	---	---	---	1,54	up
6736212	7134776	1212978	---	---	---	1,02	down
6736222	7273744	1557024	---	---	---	2,21	down
6736263	7227775	1441826	---	---	---	1,02	down
6736277	7176456	1315855	---	---	---	1,15	up

6736379	7294911	1608533	---	---	---	1,16	down
6736465	7259925	1522570	---	---	---	1,22	up
6736468	7128704	1198024	---	---	---	1,12	up
6736549	7169550	1298365	---	---	---	1,16	down
6736661	7344836	1732409	---	---	---	1,07	up
6736690	7364346	1780015	---	---	---	1,50	down
6736748	7249015	1495050	---	---	---	2,17	down
6736774	7213908	1407762	---	---	---	1,55	up
6736775	7198210	1370995	---	---	---	1,15	down
6736836	7281877	1577538	---	---	---	1,18	down
6736868	7040442	986512	---	---	---	1,24	up
6736967	7321029	1674829	---	---	---	1,19	up
6736987	7095041	1115185	---	---	---	1,23	down
6737193	7075460	1069397	---	---	---	1,31	down
6737196	7327169	1688457	---	---	---	1,21	up
6737253	7261580	1526794	---	---	---	1,12	up
6737261	7235069	1460969	---	---	---	2,27	up
6737300	7113483	1161000	---	---	---	1,34	down
6737444	7346687	1736692	---	---	---	1,20	up
6737552	7315571	1660967	---	---	---	1,48	up
6737633	7384073	1829455	---	---	---	1,17	down
6737646	7211363	1402055	---	---	---	1,41	down
6737651	7033673	970372	---	---	---	1,01	up
6737718	7259925	1522547	---	---	---	1,45	down
6737855	7335903	1709283	---	---	---	1,90	up
6737910	7087965	1098051	---	---	---	1,02	up
6737950	7339387	1718373	---	---	---	1,11	down
6737979	7208784	1396090	---	---	---	1,24	down
6738015	7353287	1753028	---	---	---	1,76	down
6738068	7352635	1751450	---	---	---	1,09	down
6738119	7102889	1134873	---	---	---	1,66	down
6738169	7309646	1646489	---	---	---	1,07	up
6738264	7156052	1265763	---	---	---	1,02	down
6738267	7353232	1752852	---	---	---	1,20	up
6738277	7197820	1370087	---	---	---	1,10	up
6738282	7347427	1738669	---	---	---	1,12	down
6738289	7039725	984813	---	---	---	1,20	up
6738368	7346229	1735586	---	---	---	1,47	up
6738378	7374324	1807491	---	---	---	1,33	up
6738405	7277783	1567420	---	---	---	2,11	down
6738421	7336039	1709687	---	---	---	1,04	up
6738443	7115362	1165605	---	---	---	2,12	down
6738458	7142770	1232719	---	---	---	1,15	up
6738475	7028326	957435	---	---	---	1,00	up
6738518	7317708	1666837	---	---	---	2,56	up
6738550	7321029	1674815	---	---	---	1,05	up
6738553	7139026	1223507	---	---	---	1,09	up
6738566	7330731	1697179	---	---	---	1,20	down
6738637	7059971	1031467	---	---	---	1,18	down
6738641	7065273	1044609	---	---	---	1,03	up
6738670	7112566	1158635	---	---	---	1,12	down
6738676	7100408	1128642	---	---	---	1,19	up
6738681	7306229	1638263	---	---	---	1,35	up
6738741	7235076	1461023	---	---	---	1,32	down
6738963	7138243	1221677	---	---	---	1,33	up
6739008	7307424	1641139	---	---	---	1,04	up
6739032	7373678	1805854	---	---	---	2,13	down

6739222	7115507	1165979	---	---	---	1,15	up
6739410	7140365	1226788	---	---	---	1,13	down
6739469	7240569	1475358	---	---	---	1,23	down
6739616	7226301	1438070	---	---	---	2,08	down
6739662	7143455	1234736	---	---	---	1,00	up
6739666	7078666	1076526	---	---	---	1,38	down
6739747	7340757	1721888	---	---	---	1,01	up
6739842	7239774	1473320	---	---	---	1,35	down
6739879	7384509	1830738	---	---	---	1,64	up
6739916	7374324	1807456	---	---	---	1,07	up
6739962	7160687	1277014	---	---	---	1,13	down
6739976	7244287	1484053	---	---	---	1,34	down
6739985	7365147	1781762	---	---	---	1,06	down
6740079	7268694	1544226	---	---	---	1,31	down
6740096	7295410	1609685	---	---	---	1,18	down
6740155	7257893	1517483	---	---	---	1,15	up
6740182	7039223	983559	---	---	---	1,77	down
6740198	7069721	1055295	---	---	---	1,10	up
6740232	7121849	1181794	---	---	---	1,55	up
6740317	7252877	1504686	---	---	---	1,03	down
6740328	7256789	1514647	---	---	---	1,43	down
6740458	7069724	1055338	---	---	---	1,26	down
6740460	7084193	1089125	---	---	---	1,47	up
6740475	7214605	1409374	---	---	---	1,18	down
6740535	7068942	1053383	---	---	---	1,06	up
6740541	7331757	1700017	---	---	---	1,30	up
6740606	7058713	1028664	---	---	---	1,18	down
6740697	7092549	1109129	---	---	---	1,46	down
6740708	7194400	1361760	---	---	---	1,13	up
6740740	7372840	1803770	---	---	---	1,13	up
6740822	7378997	1818638	---	---	---	1,09	down
6740871	7191983	1355173	---	---	---	2,67	up
6740879	7146542	1242287	---	---	---	2,47	down
6740888	7341115	1722920	---	---	---	2,51	up
6741066	7321029	1674823	---	---	---	1,49	down
6741080	7217650	1417183	---	---	---	1,04	up
6741137	7176409	1315677	---	---	---	1,08	up
6741161	7321029	1674803	---	---	---	1,15	up
6741238	7076236	1071185	---	---	---	1,32	up
6741242	7330731	1697183	---	---	---	1,11	up
6741265	7374324	1807459	---	---	---	1,05	up
6741395	7351949	1749805	---	---	---	2,05	down
6741475	7152915	1257502	---	---	---	1,14	down
6741545	7377304	1814598	---	---	---	1,00	down
6741706	7080476	1080410	---	---	---	2,41	up
6741754	7127540	1195275	---	---	---	5,05	up
6741888	7186688	1341839	---	---	---	2,82	down
6741904	7197056	1367848	---	---	---	1,73	up
6741951	7039223	983561	---	---	---	1,22	up
6742037	7050167	1009826	---	---	---	1,01	down
6742125	7176409	1315677	---	---	---	1,09	up
6742163	7244287	1484083	---	---	---	1,12	down
6742288	7092549	1109150	---	---	---	1,22	down
6742363	7148741	1247856	---	---	---	1,01	down
6742372	7349313	1743114	---	---	---	1,06	up
6742408	7052813	1015919	---	---	---	1,30	down
6742431	7366749	1785488	---	---	---	1,36	up

6742446	7176362	1315498	---	---	---	1,04	up
6742454	7239752	1473161	---	---	---	1,06	up
6742544	7381090	1822985	---	---	---	1,28	down
6742615	7029442	959559	---	---	---	1,06	up
6742656	7213945	1407837	---	---	---	1,50	down
6742710	7297589	1615680	---	---	---	1,44	up
6742739	7105780	1141705	---	---	---	1,38	up
6742836	7237699	1467378	---	---	---	1,01	up
6742930	7173640	1308950	---	---	---	1,25	up
6742995	7384073	1829468	---	---	---	1,09	up
6743025	7250511	1498647	---	---	---	1,12	up
6743073	7238252	1469270	---	---	---	1,05	up
6743142	7217747	1417495	---	---	---	1,01	down
6743153	7115963	1167066	---	---	---	1,41	up
6743166	7095960	1117066	---	---	---	1,19	up
6743403	7329846	1694992	---	---	---	2,50	down
6743462	7247512	1491205	---	---	---	1,40	down
6743464	7205944	1389466	---	---	---	1,16	down
6743475	7155866	1265328	---	---	---	1,01	up
6743596	7200152	1376050	---	---	---	1,26	down
6743653	7281577	1576888	---	---	---	1,25	up
6743683	7079238	1077818	---	---	---	1,03	down
6743777	7292701	1602968	---	---	---	1,05	up
6743929	7346066	1735284	---	---	---	1,17	up
6743935	7095960	1117068	---	---	---	1,01	down
6743947	7333333	1703403	---	---	---	1,11	up
6743959	7330731	1697166	---	---	---	1,26	up
6744002	7376073	1811722	---	---	---	1,40	down
6744020	7079238	1077818	---	---	---	1,17	up
6744041	7156611	1267373	---	---	---	1,09	down
6744082	7230886	1449515	---	---	---	1,35	up
6744108	7337425	1713218	---	---	---	1,35	down
6744170	7110999	1154794	---	---	---	1,17	down
6744184	7070836	1058362	---	---	---	1,32	up
6744231	7100408	1128640	---	---	---	1,01	up
6744238	7314270	1657736	---	---	---	1,77	up
6744263	7344380	1731132	---	---	---	1,25	up
6744305	7320735	1674155	---	---	---	1,10	down
6744360	7188138	1345047	---	---	---	1,09	down
6744432	7330396	1696336	---	---	---	1,32	down
6744439	7087965	1098041	---	---	---	1,11	down
6744444	7253215	1505369	---	---	---	1,24	down
6744472	7344406	1731265	---	---	---	1,08	up
6744521	7363529	1777951	---	---	---	1,08	down
6744574	7372840	1803777	---	---	---	1,65	up
6744589	7267953	1542230	---	---	---	1,33	down
6744609	7353232	1752827	---	---	---	1,23	down
6744662	7169732	1298700	---	---	---	1,13	up
6744791	7376566	1812871	---	---	---	1,37	up
6744856	7279568	1572040	---	---	---	1,96	up
6744895	7318139	1668075	---	---	---	1,02	down
6744922	7100523	1128876	---	---	---	1,33	up
6745004	7083030	1086264	---	---	---	1,49	down
6745034	7371682	1800783	---	---	---	2,14	up
6745113	7146093	1240933	---	---	---	1,03	down
6745126	7261580	1526818	---	---	---	1,06	up
6745164	7240569	1475459	---	---	---	1,09	down

6745184	7067670	1050334	---	---	---	1,06	down
6745349	7253408	1505937	---	---	---	1,18	up
6745418	7202749	1382052	---	---	---	1,55	up
6745492	7281924	1577735	---	---	---	1,20	up
6745512	7132024	1206337	---	---	---	1,99	down
6745572	7350993	1747532	---	---	---	1,07	up
6745605	7174114	1310429	---	---	---	1,06	up
6745708	7331757	1700028	---	---	---	1,24	up
6745732	7297274	1614664	---	---	---	1,86	down
6745810	7309734	1646913	---	---	---	1,02	up
6745840	7198002	1370425	---	---	---	3,15	up
6745860	7319259	1670398	---	---	---	1,08	down
6745876	7253408	1505948	---	---	---	1,47	up
6745934	7047524	1004652	---	---	---	1,10	up
6745945	7269763	1546532	---	---	---	1,18	down
6745948	7297274	1614630	---	---	---	1,47	down
6745998	7281575	1576845	---	---	---	1,98	up
6746070	7240569	1475315	---	---	---	1,16	down
6746072	7363674	1778436	---	---	---	1,03	up
6746112	7288284	1592654	---	---	---	1,69	down
6746160	7363147	1777019	---	---	---	1,09	down
6746330	7213908	1407658	---	---	---	1,45	down
6746448	7091962	1107750	---	---	---	1,25	down
6746570	7318139	1668075	---	---	---	1,26	down
6746608	7303722	1631717	---	---	---	1,19	down
6746618	7198210	1370965	---	---	---	1,32	up
6746670	7030037	960717	---	---	---	1,12	down
6746675	7316054	1662303	---	---	---	1,91	up
6746676	7253272	1505515	---	---	---	1,25	down
6746714	7208784	1396147	---	---	---	1,01	up
6746770	7217650	1417179	---	---	---	2,19	up
6746784	7040442	986578	---	---	---	1,11	up
6746793	7240569	1475389	---	---	---	1,02	up
6746801	7344406	1731186	---	---	---	1,80	down
6746818	7062233	1037223	---	---	---	1,08	up
6746829	7094139	1112916	---	---	---	2,22	down
6746950	7043515	994005	---	---	---	1,16	down

Primary rat β -cells were left untreated or exposed to IL-1 β +IFN- γ for 24h. Data are results obtained from a pool of 3 independent biological experiments. Splicing index is the fold change of a spliced variant compared to control cells. up/down indicate respectively up- or down-regulation of splicing